



Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

NAAC Accredited with 'A++' Grade

Ph.: 07104-242919, 242623, 242588

## Summary of 3.2.2

*Number of teachers having research projects during the year*

| Year  | 2022-2023 |
|---|-----------|
| No. of Teachers having research project         | 115       |
| No. of full time Teachers                       | 328       |
| Percentage of teachers having research projects | 35.02%    |

### Supporting Documents

1. E copies of sanction letters of Government and non-Governmental agencies
2. First page of research base project reports
3. Notification of Ph.D. and Ph.D. Degree certificates

Dr. U. P. Waghe  
(Principal)



## **Index-3.2.2**

**2022-23**

| <b>Sr. No</b> | <b>Name of Supporting Document</b>                                       | <b>Page Nos.</b> |
|---------------|--|------------------|
| 1.            | E copies of sanction letters of Government and non-Governmental agencies | 1-47             |
| 2.            | First page of Research Base Project Reports                              | 48-91            |
| 3.            | Notification of Ph.D. and Ph.D. Degree Certificates                      | 92-305           |

# **E copies of Sanction Letters of Government and Non-Governmental Agencies**

From: <SERB\_Administrator@serbonline.in>

Date: Wed, Sep 28, 2022 at 12:18 PM

Subject: SERB-Notification

To: <serbinfo1@gmail.com>

## Science and Engineering Research Board

(Statutory Body Established Through an Act of Parliament : SERB Act 2008)  
Department of Science and Technology, Government of India

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)

(Statutory Body Established Through an Act of Parliament : SERB Act 2008)

Science and Engineering Research Board  
3rd & 4th Floor, Block II  
Technology Bhavan, New Mehrauli Road  
New Delhi - 110016

### Assistance to Professional Bodies and Seminar Symposia

File Number: SSY/2022/000532

**Dated: 28-Sep-2022**

Subject: Application titled "AC and DC Microgrids: Configurations, Controls and Applications"

Dear Mr. **Piyush Shrikrishna Patil,**

It is to inform you that your proposal seeking for financial assistance under "Assistance to Professional Bodies & Seminar / Symposia Scheme" has been considered and recommended for the same. We are now agreed to provide **Rs 100000/-** to meet the expenses related to **TA/DA to Young and Senior Indian Scientists and Pre-Conference printing as partial grant-in-aid** to the recommended application.

The grant is only for "AC and DC Microgrids: Configurations, Controls and Applications"

**Dated:** 10-Nov-2022 to 11-Nov-2022

Kindly submit the required document/ RTGS within 15 days of the receipt of this letter in order to enable us to process the file for the release of funds. In case, we do not receive

the requested document within the provided time, it would be presumed that you are not interested in this offer and it would be stand withdrawn automatically. No further correspondence will be entertained thereafter.

Kindly note that, no separate communication by post would be sent to you in this regard and without prior approval from SERB, convener cannot change the event date, it may not be acceptable.

With kind regards,

(Dr. Sukumar Dey)

Scientist C

Ph:

Email: [seminar.symposia@serb.gov.in](mailto:seminar.symposia@serb.gov.in)

**Mr. Piyush Shrikrishna Patil**

**Electrical**

**Yeshwantrao Chavan College Of Engineering , Hingna Road Wanadongri, Nagpur,  
Maharashtra-441110**

\*\*\*\*\* LEGAL DISCLAIMER \*\*\*\*\*

**Please do not reply to this mail !!**

[ SERB is now on Social-Media. Kindly follow us on Twitter:  
[@serbonline](https://www.twitter.com/serbonline) <https://www.twitter.com/serbonline>]

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**Science and Engineering Research Board**  
(a statutory body of the Department of Science & Technology, Government of India)

S & SA, LGF,  
Vasant Square Mall  
Sector-B, Pocket-5, Vasant Kung,  
New Delhi - 110 070

**Statement of Expenditure & Utilization Certificate**

(Financial Assistance to Seminar / Symposia)

SERB Sanction No: SB/SS/SSY/2022/000532

Date: 28.09.2022

1. Name of Academic Institution / University / Society etc. under whose auspices the Seminar / Conference / Workshop / Symposium etc. was organized:

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING

2. Title of the Seminar / Conference / Workshop / Symposium etc.:

AC and DC Microgrids : Configurations, Controls and Applications"

3. Duration / Period of the organized event:

| From |       |      | To   |       |      |
|------|-------|------|------|-------|------|
| Date | Month | Year | Date | Month | Year |
| 10   | 11    | 2022 | 11   | 11    | 2022 |

4. Grant Sanctioned / Released:

1,00,000/- (Rupees One Lakh Only)

5. Out of Total expenditure of 1,09,765 (Rupees- One Lakh Nine thousand Seven Hundred Sixty five SERB Grant of 1,00,000/- (Rupees

has been utilized as per the details given below:

| S. No | Budget Head             | Amount (₹)   |
|-------|-------------------------|--------------|
| I.    | TA / DA                 | 69665        |
| II.   | PRE CONFERENCE PRINTING | 6100         |
| III.  | OTHER                   |              |
|       | <b>Total (₹)</b>        | <b>75765</b> |

6. Brief details of total income and expenditure:

| Income (in ₹)  |               | Expenditure (in ₹)   |               |
|--|---------------|--|---------------|
| 1. By Registration   | 34000         | 1. Domestic Travel for Young and Senior Scientists (Indian Only)                     | 69665         |
| 2. By Donations  |               | 2. Pre-Conference Printing (Announcements, abstracts etc.)                           | 6100          |
| 3. By advertisements   |               | 3. Contingencies (Stationary items, Working Tea / Lunch, Audio-Visuals etc.)         | 22928         |
| 4. By Grant from SERB  |               | 4. Printing of Proceedings   | NIL           |
| 5. By Other Funding Agencies   |               | 5. Other etc. (please specify)   |               |
| i.   |               | Bouquet- 540/-   | 11072         |
| ii.  |               | Memento - 2240/-   |               |
| iii.   |               | Accommodation of Guest- 8292/-   |               |
| ....   |               |  |               |
| Grants Receivable from SERB  | 75765         |  |               |
| <b>Total (in ₹)</b><br>(Rupees One Lakh Nine Thousand Seven Hundred Sixty five only) | <b>109765</b> | <b>Total (in ₹)</b><br>(Rupees One Lakh Nine Thousand Seven Hundred Sixty five only) | <b>109765</b> |

(Signature of Convener / Organising Secretary)

NOTE- STATEMENT OF EXPENDITURE AND UTILIZATION CERTIFICATE, SCANNED COPIES, SHOULD BE UPLOADED ONLINE FIRST (IF SANCTIONED THROUGH ONLINE PROCESS) AND ORIGINALS SHOULD BE SUBMITTED IN SERB OFFICE IN SHORTEST POSSIBLE TIME

FORM G.F.R. 19 A

**UTILIZATION CERTIFICATE**  
(IN DUPLICATE)

Date:


SERB Sanction No: SB/SS/SSY/2022/00532 -28.09.2022

Certified that out of 100000/-of grants-in-aid sanctioned (but not received) during the year 2022-23 in favour of YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING vide SERB Order No. SSY/2022/0005 dated :28.09.2022 against which institute has incurred Rs.109765/- for the purpose of AC and DC Micro Configurations, Controls and Applications "Dated 10-Nov-2022 to 11-Nov-2022 & grant receivable is Rs. 75765/-

2. Also Certified that I have satisfied that the conditions on which the grants-in-aid was sanctioned have been fulfilled/are being fulfilled, and to see that the money was actually utilized for the purpose for which it was sanctioned.

*(In case of University /  
Academic Institution)*

  
Signature of Convener /  
Organising Secretary

  
(Head of the Institution i.e.  
Registrar / Director /  
Principal)  
**Principal**  
Yeshwantrao Chavan  
College of Engineering  
Wanadongri Hingna Road  
NAGPUR-441110

Signature of Accounts /  
Finance Officer/  
(with Seal)

*(In case of Societies /  
Association)*

Signature of Convener /  
Organising Secretary

(President/Secretary)

FOR KUMAR & JAYAKRISHNAN  
Chartered Accountants  
F.R.N. 113708W  
  
CA Sachin Bhojar  
M.No.:167965



UDIN:23167965B9QMYPI601  
Signature of the Chartered  
Accountants  
(with Seal)

Date: 30/01/2023

NOTE- STATEMENT OF EXPENDITURE AND UTILIZATION CERTIFICATE, SCANNED COPIES, SHOULD BE UPLOADED ONLINE FIRST (IF SANCTIONED THROUGH ONLINE PROCESS) AND ORIGINALS SHOULD BE SUBMITTED IN SERB OFFICE IN SHORTEST POSSIBLE TIME





# अखिल भारतीय तकनीकी शिक्षा परिषद

## All India Council for Technical Education

(A Statutory Body of The Government of India)

(भारत सरकार का विधीक संस्थान)



## पश्चिमी क्षेत्रीय कार्यालय

### WESTERN REGIONAL OFFICE

औद्योगिक अनुसंधान भवन, दूसरी मंजिल,  
राष्ट्रीय औद्योगिक अभियांत्रिकी संस्थान  
(नोटी) परिसर, विहार झील,  
मुंबई - ४०० ०८७  
दूरभाषा: (०२२) २८४७००१९/२८४७५७९३  
अनुडाक: wro@aicte-indian.org  
अंतरताना: www.aicte-indian.org

Industrial Research Building, 2nd Floor,  
National Institute of Industrial Engineering  
(NITIE) Campus, Vihar Lake,  
Mumbai - 400 087  
Tel: (022) 28470019 / 28475793  
Email: wro@aicte-india.org  
Web: www.aicte-india.org  
Date - 19 - 10 - 2022.

**Application No. 1650514378**

F. No. 01 / AICTE / IDEA-LAB-HQ / 2021-2022 | 1429

To,

**The Director / Principal,**

Yeshwantrao Chavan College of Engineering,  
Hingna Road, Wanadongri, Nagpur, Maharashtra 441110

**Sub: Release of a sum of Rs.3,00,000/- for AICTE Training & Learning (ATAL) Academy Hybrid FDP's.**

Sir,

This is to convey the sanction of the Council for payment of Rs.3,00,000/- (Rupees Three lakh only.) for conduct of Hybrid FDP's on **Remote Sensing Applications with Machine Learning** to Yeshwantrao Chavan College of Engineering, Hingna Road, Wanadongri, Nagpur, Maharashtra 441110 during 14<sup>th</sup> November to 25<sup>th</sup> November, 2022 under AICTE Training & Learning (ATAL) Academy.

This fund is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institution

I. Release of funds and maintenance of accounts.

a. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.

b. The maximum cost for conducting per programme will be Rs. 3,00,000 /- as per details given as under:

| Sr. No. | Particulars   | Sanctioned Amt. for 2022-23 for Blended FDP's / CPDP) |
|---------|---|---|
| 1       | Honorarium to Coordinator   | <b>Rs.10000/-</b>                                     |
| 2       | Honorarium to Co- Coordinator   | <b>Rs.7,000/-</b>                                     |
| 3       | Honorarium for computer operator  | <b>Rs.1,000/-</b>                                     |
| 4       | Honorarium for experts ( Rs.5000/- session for 14 sessions )  | <b>Rs.70,000/-</b>                                    |
| 5       | Provision for payment to Three Lab Technicians engaged during Lab practices @ Rs. 5000/- per Lab Technician | <b>Rs.15,000/-</b>                                    |
| 6       | TA / DA to Experts engaging sessions (Lump sum)   | <b>Rs.32,000/-</b>                                    |
| 7       | Refreshment & Lunch ( Rs.350/- head for 50 trainees for 5 days )  | <b>Rs.87,500/-</b>                                    |
| 8       | One Book each for 20 participants as reward   | <b>Rs.10,000/-</b>                                    |
| 9       | Miscellaneous charges (petty expenses not covered above)  | <b>Rs.5,500/-</b>                                     |
| 10      | Hands on Training material, Consumable items etc. ( reimbursed on actual basis.)                            | <b>Rs.62,000/-</b>                                    |
|         | <b>Total</b>  | <b>3,00,000/-</b>                                     |

Programmes having permission to change amounts under different heads with overall ceiling of Rs.3.00 lakh being intact.

c. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma to be submitted by the University/College/Institution. Further, the accounts of the institute will be open for test check by the Council or Controller & Auditor General of India or any other officer designated by them.

## II. Disbursement of funds to institutions

The full amount of the grant sanctioned will be released as an advance (i) Rs.2.38 lakh (ii) 62,000 /- on actual basis to the University/Institute through electronic transfer on the account of the University/Institute after submission of mandate form and original bills to WRO, Mumbai.

## III. Conduct of test and issuance of certificate

- A test shall be conducted by coordinator at the end of the program.
- The certificates shall be issued to those participants who have been approved by coordinator, attended the program with minimum 80% attendance and scored minimum marks 70% in the test.

## IV. Submission of documents by university/institution

a. The following mandatory relevant documents are required to be submitted by the university/institution within one month of the completion of the program.

(i) List of candidates who have successfully completed the program on the basis of the test conducted by Program Coordinator.

(ii) A program completion report along with photographs, videos, media report is to send after the completion of workshop along with the list of participants and Utilization Certificate, Expenditure Statement etc. within one month of conduct of AICTE Training and Learning (ATAL) Academy programme.

b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall to adjusted.

#### **v. General Instructions**

a. Maximum 50 (minimum 30) participants may be allowed to attend blended FDP / CPDP within 100 km of host institutes. However, AICTE officials may be allowed to attend over and above the maximum limit.

b. A test has to be conducted on the last day accordingly Scheme Document 2022-23 and those who score more than 70% will be termed as successful candidates. Those who have attendance 80% or more and also score more than 70% in the test will be issued a digital certificate.

c. The sessions are to be recorded as the facility is available on the software which is being used for online delivery of FDP/CPDP. You are also requested to upload recording on YouTube of google drive.

#### **d. Eligibility**

For Institutions (Both Technical & Non- Technical).

i) The government funded institutions like IIT's IIM's, NIT's, IIT's, Universities, State Universities / Institutions / Research institutes other government organizations and PSU's.

ii) Private organisation / institutions having overall NIRF ranking up to 200 or NAAC grade A++ OR Department conducting FDP / CPDP having full NBA accreditation.

iii) Industry / Training Institutions (Experience in relevant training in last 5 years)

Coordinators must be a full time regular faculty / instructor / trainer etc. & having knowledge and experience to conduct blended FDP / CPDP.

## **For Participants**

i) The faculty members of the AICTE approved institutions, Research scholars, PG scholar's, participants from Government, Industry, Bureaucrats/ Technicians / Professionals / School Teachers and staff of host institutions.

### **To be nominated by the Institute**

ii) Not more than 10% from Host Institution.

iii) Maximum 50 (minimum 30) participants may be allowed to attend blended FDP/CPDP within 100 km of host institutes. However, AICTE officials may be allowed to attend over and above the maximum limit.

iv) Participants shall bear the cost of travelling and boarding/ lodging if he/ she wishes to attend ATAL FDP. However, refreshment & lunch would be provided for free.

**ATAL FDPs/ CPDP are free, and No fee will be charged from any participant attending ATAL FDP / CPDP.**

(e) If programme is not conducted in the financial year 2022 itself, the released amount has to be returned back to AICTE.

(f) If any extra money is required to complete the programme must be borne by the Institute from their own resources but the quality of the activities should not be compromised.

(g) FDP / CPDP, title name, name of the co-ordinator, Institute name is **not allowed to change** without permission of **AICTE**, however scheduled dates may be changed with information to ATAL Academy cell and Regional Office.

This sanction order may be treated as offer letter for all purpose.

Yours sincerely,



**(Regional Officer & Member Secretary)**  
**WRO, Mumbai, AICTE**

Copy forwarded for information and necessary action to: -

1. Coordinator ATAL Programme - **Milind Mushrif.**
2. ATAL Academy Cell AICTE HQ
3. Guard File

Date: 21/03/2023

To,

Dr. Ajeet Singh  
Assistant Director,  
AICTE-Western Regional Office,  
2nd Floor, Industrial Research Centre Building, ,  
National Institute of Industrial Engineering (NITIE) Campus,  
Vihar Lake, Mumbai - 400087

**Sub: Submission of Audited Utilization certificate and Statements of Accounts of ATAL-FDP Funds**

**Ref: F.No. 01 /AICTE/IDEA-LAB-HQ/2021-2022/1429  
Application No. 1650514378**

Sir,

We have successfully conducted the ATAL FDP titled "Remote Sensing Applications with Machine Learning" from 30/01/2023 to 10/02/2023. Grant-in-aid of Rs. 3,00,000/- (Rs. Three Lakh only) was sanctioned by the AICTE out of which Rs. 2,38,000/- was received by the college. The sum of Rs. 2,04,738/- has been utilized for the purpose for which it was sanctioned and the balance of Rs. 33,262/- remained unutilized.

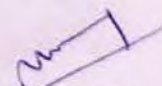
Please find attached herewith the following documents:

1. Utilization Certificate
2. Statement of Accounts
3. Copy of the sanction letter.

We request you to, kindly, send us the account details where the unutilized amount of Rs. 33,262/- is to be deposited.

Thanking you.

Yours sincerely,



Dr. M. M. Mushrif,  
Coordinator, ATAL FDP



**Yeshwantrao Chavan College of Engineering**  
(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)  
**Department of Information Technology**

**UTILIZATION CERTIFICATE FOR THE FINANCIAL YEAR 2022-23**

Name of the Scheme under which Grant was sanctioned by **AICTE Training And Learning (ATAL)** (to be submitted separately for each sanction order)

**AICTE File No.** : 01\_/AICTE/IDEA-LAB-HQ/2021-2022/1429  
**Name of Co-ordinator** : **Dr. M M MUSHRIF**  
**Dates of the Programme** : 30<sup>th</sup> January 2023 to 10th February 2023  
**Title of the ATAL Programme** : Remote Sensing Applications with Machine Learning

| Sl. No. | AICTE Sanction Order/Letter No. & Date under which grant was sanctioned  | Amount (Rs.) |   |
|---------|--|--------------|---|
| 1       | Application number :1650514378<br><br>AICTE File No.:01_/AICTE/IDEA-LAB-HQ/2021-2022/1429<br><br>Date:19/10/2022 | 3,00,000/-   | Certified that out of the grant-in-aid of <b>Rs. 3,00,000/-</b> (in words) <b>Three Lack only</b> sanctioned by the AICTE during the financial year <b>2022-23</b> in favour of <b>Yeshwantrao Chavan College of Engineering, Nagpur</b> as per letter mentioned in the margin, out of which <b>Rs. 2,38,000/- only</b> was actually received, <b>Rs. NIL</b> on account of unspent balance of previous year, <b>Rs. NIL</b> on account of other income / receipts, a sum of <b>Rs. 2,04,738</b> has been utilized for the purpose for which it was sanctioned and the balance of <b>Rs. 33,262</b> remained unutilized at the end of the year. |

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised: -  
 Audited Annual Accounts of the Institute  
 Receipt and Payment account  
 Periodical Progress Reports.  
**Dr. M. M. Mushrif**

(1). Name, Signature & Address of the Claimant/Awardee/Coordinator with seal:

**Dr. U. P. Waghe**



**FOR KUMAR & JAYAKRISHNAN**  
Chartered Accountants  
F.R.N.:113700W

CA G. V. K. M.  
M.No.: 10088  
UDIN: 2310028613GVZWK41C0  
Date: 15/03/2023

(3). Signature of Head of the Institute:  
 Name & Designation of the Head of Institute:  
 Rubber stamp:  
 Full Address: **Yeshwantrao Chavan college of Engineering, Hingana Road, Wanadongri, Nagpur-441110**  
 Date:



(4). Signature of the Finance Officer/Accounts Officer:  
 Name of the Finance Officer/Accounts Officer:  
 (If it is Govt./Govt. Aided Institute)

AICTE Training and Learning(ATAL) Academy Programme

Annexure-III

SETTLEMENT OF EXPENDITURE

AICTE File No. (Sanction letter file No.): F. No. 01\_/AICTE/IDEA-LAB\_HQ/2021-2022/1429

Title of the Programme: Remote Sensing Applications with Machine Learning

Application No.: 1650514378

Name of the Coordinator : Dr. M. M. Mushrif

Date: of Sanction: 19-10-2022

No of Participants: 36

Duration of Programme (with dates): TWO Week. From 30-01-2023 to 10-02-2023

| Details of expenditure Incurred Item wise      | Amount Rs. (in each head) |
|--|---------------------------|
| 1. Honorarium to Coordinator                   | 10,000.00                 |
| 2. Honorarium to Co-Coordinator                | 7000.00                   |
| 3. Honorarium to Computer operator             | 1000.00                   |
| 4. Honorarium for experts                      | 67,500.00                 |
| 5. Payment to three lab technicians            | 15,000.00                 |
| 6. TA/DA to Experts                            | 26,660.00                 |
| 7. One book each for 20 participants as reward | 5,909.00                  |
| 8. Refreshment & Lunch                         | 56,000.00                 |
| 9. Miscellaneous charges                       | 2,592.00                  |
| 10. Hands on training material, consumables    | 13,077.00                 |
| <b>Total</b>                                   | <b>204,738.00</b>         |
| <b>Grant Received</b>                          | <b>238,000.00</b>         |
| <b>Balance to be Received</b>                  | <b>-33,262.00</b>         |

(1) Dr. M. M. Mushrif  
Name and Signature of Coordinator with Seal

(2) Dr. U. P. Waghe  
Name and Signature of Head of Institution with Seal

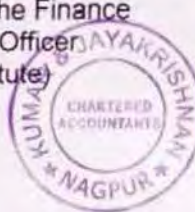
(3) Signature (with Seal) of the Finance Officer/ Auditor/Accounts Officer  
(If it is Govt./Govt. Aided Institute)

FOR KUMAR & JAYAKRISHNAN  
Chartered Accountants  
F.R.N.:113708W

CA G.V. M...  
No.: 1808W

UDIN: 2310086136VZWK4160

Date: 15/03/2023





# अखिल भारतीय तकनीकी शिक्षा परिषद All India Council for Technical Education

(A Statutory Body of The Government of India)

(भारत सरकार का विधीक संस्थान)



## पश्चिमी क्षेत्रीय कार्यालय WESTERN REGIONAL OFFICE

औद्योगिक अनुसंधान भवन, दूसरी मंजिल,  
राष्ट्रीय औद्योगिक अभियांत्रिकी संस्थान  
(नोटी) परिसर, विहार झील,  
मुंबई - ४०० ०८७  
दूरभाषा: (०२२) २८४७००१९/२८४७५७९३  
अनुडाक: wro@aicte-indian.org  
अंतरताना: www.aicte-indian.org

Industrial Research Building, 2nd Floor,  
National Institute of Industrial Engineering  
(NITIE) Campus, Vihar Lake,  
Mumbai - 400 087  
Tel: (022) 28470019 / 28475793  
Email: wro@aicte-india.org  
Web: www.aicte-india.org

### Application No. 1650246339

F. No. 01\_/AICTE /IDEA-LAB-HQ/2021-2022 / 1433

Date - 19 - 10 -2022.

To,

The Director / Principal,

Yeshwantrao Chavan College of Engineering Hingna Road,  
Wanadongri, Nagpur - 441110.

**Sub: Release of a sum of Rs.3,00,000/- for AICTE Training & Learning (ATAL )  
Academy Hybrid FDP's**

Sir,

This is to convey the sanction of the Council for payment of Rs.3,00,000/- (Rupees Three lakh only.) for conduct of FDP's **on Research Applications of Artificial Intelligence and Machine Learning** to Yeshwantrao Chavan College of Engineering Hingna Road, Wanadongri, Nagpur during 28<sup>th</sup> November to 9<sup>th</sup> December,2022 under **AICTE Training & Learning (ATAL ) Academy**

This fund is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institution

I. Release of funds and maintenance of accounts.

a. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.

b. The maximum cost for conducting per programme will be Rs. 3,00,000 /- as per details given as under:



| Sr. No. | Particulars   | Sanctioned Amt. for 2022-23 for Blended FDP's / CPDP ) |
|---------|---|--|
| 1       | Honorarium to Coordinator   | <b>Rs.10000/-</b>                                      |
| 2       | Honorarium to Co- Coordinator   | <b>Rs.7,000/-</b>                                      |
| 3       | Honorarium for computer operator  | <b>Rs.1,000/-</b>                                      |
| 4       | Honorarium for experts ( Rs.5000/- session for 14 sessions )  | <b>Rs.70,000/-</b>                                     |
| 5       | Provision for payment to Three Lab Technicians engaged during Lab practices @ Rs. 5000/- per Lab Technician | <b>Rs.15,000/-</b>                                     |
| 6       | TA / DA to Experts engaging sessions (Lump sum)   | <b>Rs.32,000/-</b>                                     |
| 7       | Refreshment & Lunch ( Rs.350/- head for 50 trainees for 5 days )  | <b>Rs.87,500/-</b>                                     |
| 8       | One Book each for 20 participants as reward   | <b>Rs.10,000/-</b>                                     |
| 9       | Miscellaneous charges (petty expenses not covered above)  | <b>Rs.5,500/-</b>                                      |
| 10      | Hands on Training material, Consumable items etc. ( reimbursed on actual basis.)                            | <b>Rs.62,000/-</b>                                     |
|         | <b>Total</b>  | <b>3,00,000/-</b>                                      |

Programmes having permission to change amounts under different heads with overall ceiling of Rs.3.00 lakh being intact.

c. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma to be submitted by the University/College/Institution. Further, the accounts of the institute will be open for test check by the Council or Controller & Auditor General of India or any other officer designated by them.

## II. Disbursement of funds to institutions

The full amount of the grant sanctioned will be released as an advance (i) Rs.2.38 lakh (ii) 62,000 /- on actual basis to the University/Institute through electronic transfer on the account of the University/Institute after submission of mandate form and original bills to WRO, Mumbai.

## III. Conduct of test and issuance of certificate

- A test shall be conducted by coordinator at the end of the program.
- The certificates shall be issued to those participants who have been approved by coordinator, attended the program with minimum 80% attendance and scored minimum marks 70% in the test.

## IV. Submission of documents by university/institution

a. The following mandatory relevant documents are required to be submitted by the university/institution within one month of the completion of the program.

(i) List of candidates who have successfully completed the program on the basis of the test conducted by Program Coordinator.

(ii) A program completion report along with photographs, videos, media report is to send after the completion of workshop along with the list of participants and Utilization Certificate, Expenditure Statement etc. within one month of conduct of AICTE Training and Learning (ATAL) Academy programme.

b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall to adjusted.

#### **v. General Instructions**

a. Maximum 50 (minimum 30) participants may be allowed to attend blended FDP / CPDP within 100 km of host institutes. However, AICTE officials may be allowed to attend over and above the maximum limit.

b. A test has to be conducted on the last day accordingly Scheme Document 2022-23 and those who score more than 70% will be termed as successful candidates. Those who have attendance 80% or more and also score more than 70% in the test will be issued a digital certificate.

c. The sessions are to be recorded as the facility is available on the software which is being used for online delivery of FDP/CPDP. You are also requested to upload recording on YouTube of google drive.

#### **d. Eligibility**

For Institutions (Both Technical & Non- Technical.

i) The government funded institutions like IIT's IIM's, NIT's, IIT's, Universities, State Universities / Institutions / Research institutes other government organizations and PSU's.

ii) Private organisation / institutions having overall NIRF ranking up to 200 or NAAC grade A++ OR Department conducting FDP / CPDP having full NBA accreditation.

iii) Industry / Training Institutions (Experience in relevant training in last 5 years)

Coordinators must be a full time regular faculty / instructor / trainer etc. & having knowledge and experience to conduct blended FDP / CPDP.

## **For Participants**

i) The faculty members of the AICTE approved institutions, Research scholars, PG scholar's, participants from Government, Industry, Bureaucrats/ Technicians / Professionals / School Teachers and staff of host institutions.

### **To be nominated by the Institute**

ii) Not more than 10% from Host Institution.

iii) Maximum 50 (minimum 30) participants may be allowed to attend blended FDP/CPDP within 100 km of host institutes. However, AICTE officials may be allowed to attend over and above the maximum limit.

iv) Participants shall bear the cost of travelling and boarding/lodging if he/she wishes to attend ATAL FDP. However, refreshment & lunch would be provided for free.

**ATAL FDPs/ CPDP are free, and No fee will be charged from any participant attending ATAL FDP / CPDP.**

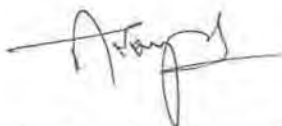
(e) If programme is not conducted in the financial year 2022 itself, the released amount has to be returned back to AICTE.

(f) If any extra money is required to complete the programme must be borne by the Institute from their own resources but the quality of the activities should not be compromised.

(g) FDP / CPDP, title name, name of the co-ordinator, Institute name is **not allowed to change** without permission of **AICTE**, however scheduled dates may be changed with information to ATAL Academy cell and Regional Office.

This sanction order may be treated as offer letter for all purpose.

Yours sincerely,



**(Regional Officer & Member Secretary)**  
**WRO, Mumbai, AICTE**

Copy forwarded for information and necessary action to: -

1. Coordinator ATAL Programme - **Ujwala Gawande.**
2. ATAL Academy Cell AICTE HQ
3. Guard File



Nagar Yuwak Shiksha Sanstha's

## Yeshwantrao Chavan College of Engineering

(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

### Department of Information Technology

#### UTILIZATION CERTIFICATE FOR THE FINANCIAL YEAR 2022-23

Name of the Scheme under which Grant was sanctioned by AICTE Training And Learning(ATAL) (to be submitted separately for each sanction order)

AICTE File No. : 01\_/AICTE/IDEA-LAB-HQ/2021-2022/1433  
Name of Co-ordinator : Dr. U. H. Gawande  
Dates of the Programme : 28<sup>th</sup> November 2022 to 9<sup>th</sup> December 2022  
Title of the ATAL Programme : Research Applications of Artificial Intelligence and Machine Learning (RAAIML22)

| Sl. No. | AICTE Sanction Order/Letter No. & Date under which grant was sanctioned                                  | Amount (Rs.) |   |
|---------|--|--------------|---|
| 1       | Application number :1650246339<br>AICTE File No.:01_/AICTE/IDEA-LAB-HQ/2021-2022/1433<br>Date:29/10/2022 | 3,00,000/-   | Certified that out of the grant-in-aid of <u>Rs. 3,00,000/-</u> (in words) <u>Three Lack only</u> sanctioned by the AICTE during the financial year <u>2022-23</u> in favour of <u>Yeshwantrao Chavan College of Engineering, Nagpur</u> as per letter mentioned in the margin, out of which <u>Rs. 2,38,000/- only</u> was actually received, Rs. <u>NIL</u> on account of unspent balance of previous year, Rs. <u>NIL</u> on account of other income / receipts, a sum of <u>Rs. 2,23,497</u> has been utilized for the purpose for which it was sanctioned and the balance of <u>Rs. 14,503</u> remained unutilized at the end of the year. |

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised: -

Audited Annual Accounts of the Institute

Receipt and Payment account

Periodical Progress Reports.

(1). Name, Signature & Address of the Claimant/Awardee/Coordinator with seal:

Dr. U. H. Gawande

Dean R&D, Convener-FDP RAAIML22,

Yeshwantrao Chavan college of Engineering, Hingana Road, Wanadongri, Nagpur-441110

FOR KUMAR & JAYAKRISHNAN  
Chartered Accountants  
F.R.N.: 113708W

CA G. V. KUMAR  
M.No.: 10066

DATE: 06/01/2023

UDEN: 23100861 BGVZNC4944



*[Handwritten Signature]*

Dr. U. P. Waghe

(3). Signature of Head of the Institute:  
Name & Designation of the Head of Institute:  
Rubber stamp:  
Full Address: Yeshwantrao Chavan college of  
Engineering, Hingana Road, Wanadongri,  
Nagpur-441110  
Date:

*[Handwritten Signature]*  
Principal  
Yeshwantrao Chavan  
College of Engineering  
Wanadongri Hingana Road  
NAGPUR-441110

(4). Signature of the Finance Officer/Accounts Officer:  
Name of the Finance Officer/Accounts Officer:  
(If it is Govt./Govt. Aided Institute)



Reference No. :- **IDEAMH003537****1. Details of Incubatee:**

|   |   |  |  |
|---|---|--|--|
| <b>1.1 Details of the Host Institute (HI)</b> | Yeshwantrao Chavan College of Engineering , Wanadongri, Hingana Road, Nagpur , 07104242919 , principal@ycce.edu , 9764996477                | <b>1.2 Name of the Business Incubator (BI)</b> | Dr. Sandip S.Khedkar , Asst. Professor , sskhedkar@ycce.edu , 9552555061 |
| <b>1.3 Category of the Incubatee</b>          | Entrepreneurs/MSME  | <b>1.4 Incubatee Name</b>                      | Vaishali Arun Mutyalwar  |
| <b>1.5 State</b>                              | MAHARASHTRA   | <b>1.6 District</b>                            | NAGPUR   |
| <b>1.7 Email Id</b>                           | devshahare0501@gmail.com  | <b>1.8 Mobile Number</b>                       | 9420998747   |
| <b>1.9 Category</b>                           | OBC   | <b>1.10 Gender</b>                             | Female   |
| <b>1.11 Address</b>                           | Flat No:- 3 floor,Admin Block, Building:- YCCETBI, Road/Street:- Hingna Road, Village/Town:- Wanadongri, Block:- Admin Block, City:- Nagpur |  |  |

**2. Details of Idea:**

|  |                             |   |   |
|--|-----------------------------|---|---|
| <b>2.1 Title of proposed idea/innovation</b> | CEILING FAN CLEANING DEVICE | <b>2.2 Whether the idea involves use of existing intellectual property or not, give brief detail there of</b> | The Patent is filed at Indian Patent Office on 24th February 2022 and it is under examination. Patent application no. is 202221009936 |
|--|-----------------------------|---|---|

|  |  |   |  |
|--|--|---|--|
| <p><b>2.3 Briefly explain newness/uniqueness of the innovation</b></p> | <p>The field of the invention for the proposed work is for cleaning the fan blades of a ceiling fan. Cleaning devices of many shapes and sizes have been created for handling a variety of needs. Currently, there are no devices that allow a user to clean ceiling fan blades without the use of a ladder, step stool, or other elevating devices.</p> | <p><b>2.4 Concept &amp; Objective</b></p> | <p>Concept: The present invention relates to cleaning devices and, more specifically, to a device that allows a user to clean both the top and bottom of a ceiling fan blade without the need for an elevating device of any kind. The invention may be adapted to work with a wide variety of 10 blade types, shapes, and sizes. It is the purpose and objective of the present invention to provide an improved means for safely cleaning both the tops and bottoms of ceiling fan blades without the need for ladders, step stools, or other elevating devices. It is a further objective of the present invention to provide a cleaning device for ceiling blades that will not, in any way, damage the blade, its finish, or fan mechanism through normal use. It is yet another feature and objective of the present invention to provide a one-piece cleaning cover that is easily installed for cleaning or removed for replacement. Objective: The main objectives of our innovative idea is: a)9To provide economic and efficient solutions for the ceiling fan cleaning process. b)9To develop easy to operate and portable device. c)9To improve to clean and eco-friendly environment in hospitals and government office. d)9To reduce the kati shoola or kati graham and considered to be an imbalance or vikrati in human body. e)9To provide comfort during cleaning of ceiling fan.</p> |
|--|--|---|--|

|  |   |  |  |
|--|---|--|--|
| <p><b>2.5 Specify the potential areas of application in industry/market in brief</b></p> | <p>Ceiling type fans are extensively used in dwellings, offices and many other types of buildings to circulate air and reduce the cost of heating during cold weather and air-conditioning during hot weather. The blades of such fans, particularly on the top surfaces, become encrusted with a layer of dust that clings tenaciously to the blade surface and must be removed from time to time to maintain the full effective operation of the ceiling fan. In a conventional method of cleaning ceiling fans, a person will stand on a ladder or stool so the blades can be reached and then cleaned with a cloth or brush. Because such cleaning operations are so arduous to perform, a majority of ceiling fan blades remain uncleaned or are not cleaned nearly as often as needed. The potential areas of given product are household appliances, hospitals, offices and whenever cleaning is required.</p> | <p><b>2.6 Briefly provide the market data for the potential idea/ innovation</b></p> | <p>There are currently several varieties of apparatus for cleaning ceiling fans. Many of these have disadvantages for cleaning the upper surface of the ceiling fan blades, forcing the user to use a ladder or stool to reach the upper blade surfaces. Other cleaning tools require bulky vacuums or attachments which limit reach and mobility. None of these inventions gives the user a view of the top side of the ceiling fan blade being cleaned. Most of these inventions use a wiping or sweeping method with a fixed brush or cleaning surface to remove dust from the top side of the ceiling fan blade. The field of invention for the proposed work is for cleaning the fan blades of a ceiling fan. Cleaning devices of many shapes and sizes have been created for handling a variety of needs. Currently, there are no devices that allow a user to clean ceiling fan blades without the use of a ladder, step stool, or other elevating devices. This project is having a wide scope in an organization like colleges, schools, corporate offices, government offices, hospitals, restaurants, hotels and households etc. Almost everywhere when cleanliness is required. Since our idea is to clean a ceiling fan, which is a new concept in the market. Hence, there are no competitors.</p> |
| <p><b>2.7 Name and details of Mentors</b></p>  | <p>Prof. D. Y. Shahare, Asst. Professor, Department of Mechanical Engineering Yeshwantrao Chavan College of Engineering, Nagpur, Maharashtra</p>  | <p><b>2.8 Experience and Qualification of Mentors</b></p>                            | <p>Experience - 11 Years, Qualification - M.Tech, B.E.</p>   |
| <p><b>2.9 Contact Details of Mentors</b></p>   | <p>Yeshwantrao Chavan College of Engineering, Wanadongari, Hingana Road, Nagpur, Maharashtra, Pin - 441110, Mobile No. - 7620490270, Email - devshahare0501gmail.com</p>  | <p><b>2.10 Current Development Status of innovation</b></p>                          | <p>The idea is at the proof of concept level. The prototyping is in the process which will further lead to a minimum viable product.</p>   |
| <p><b>2.11 Expected time of completion of idea</b></p>                                   | <p>The prototyping will be completed in the next 6 months and MVP will be developed within the next 6 months. In total, a maximum of 12 months are required for the completion of the idea in terms of reaching up to MVP.</p>  | <p><b>2.12 Idea Sector</b></p>   | <p>Services, Education, Hospitality, Media, Publishing, Entertainment, Design, Wellness, Logistics, Sports and any related sub-sector</p>  |

**3. Financial requirements:**



## 3.1 Activity-wise break

| Particular/Item  | Total idea project cost (Rs. In lakh) | Amount GOI assistance (Rs. In lakh) | Incubatee share (Rs. In lakh) |
|--|---------------------------------------|-------------------------------------|-------------------------------|
| Technology related Expenditure towards machine usage charges etc., Electricity charges, Procurement of raw material , testing/Calibration charges, other charges essential for development of idea<br><b>Max (10.00) lakh.</b> | 5.410                                 | 4.598                               | 0.812                         |
| Charges for mentor/handholding supporting team<br><b>Max (3.00) lakh.</b>  | 2.000                                 | 1.700                               | 0.300                         |
| Travelling Expenses or any other item not covered as above may be allowed as per need for development of the idea<br><b>Max ( 2.00) lakh.</b>  | 2.000                                 | 1.700                               | 0.300                         |
| <b>Total</b>   | 9.410                                 | 7.998                               | 1.412                         |

## Approved Activity-wise break

| Approved By | Approved Date |
|-------------|---------------|
| PMAC        | 23/07/2022    |

| Particular/Item  | Total idea project cost (Rs. In lakh) | Amount GOI assistance (Rs. In lakh) | Incubatee share (Rs. In lakh) |
|--|---------------------------------------|-------------------------------------|-------------------------------|
| Technology related Expenditure towards machine usage charges etc., Electricity charges, Procurement of raw material , testing/Calibration charges, other charges essential for development of idea<br><b>Max (10.00) lakh.</b> | 5.410                                 | 4.598                               | 0.812                         |
| Charges for mentor/handholding supporting team<br><b>Max (3.00) lakh.</b>  | 2.000                                 | 1.700                               | 0.300                         |
| Travelling Expenses or any other item not covered as above may be allowed as per need for development of the idea<br><b>Max ( 2.00) lakh.</b>  | 2.000                                 | 1.700                               | 0.300                         |
| <b>Total</b>   | 9.410                                 | 7.998                               | 1.412                         |

## 4. Other students/Entrepreneurs associated with this project/idea

| Name  | Aadhar No/Udhyog Aadhar No/Udyam Registration |
|---|---|
| Mr. Surendra Nagpure                                  | 239693135786                                  |
| <b>Uploaded Proposal</b>                              | View/Download                                 |
| <b>Uploaded Minutes of the Selection Committee</b>    | View/Download                                 |
| <b>Uploaded Name and signature of the BI incharge</b> | View/Download                                 |

| Application Remarks |                               |                     |   |
|---------------------|-------------------------------|---------------------|---|
| Action              | Date                          | Status              | Remark  |
| PMAC                | 23/Jul/2022<br>09:03:56<br>PM | Approved<br>By PAMC | The financial sanction is as approved by the committee in the 2nd PMAC meeting. Check your mail and do the needful as instructed on priority basis. This maybe treated as most urgent.<br>View/Download |

I declare that:

1. I have read the entire scheme guidelines and shall abide by all the requirements stipulated therein for seeking financial assistance.
2. I hereby declare that information given above is true to the best of my Knowledge and that I have not withheld/distorted any material fact.
3. Any information/ documents that may be required to be verified shall be provided immediately before the concerned authority.
4. I hereby declare that I have not availed any financial assistance for this purpose from any other scheme from any Central/ State govt. agency.
5. In case the Idea is approved, Host Institute would undertake to make facilities available to carry out the development arrange for the submission of periodic progress reports and other information that may be required by the Ministry.
6. I certify that the accounts of the funds received and spent will be kept and made available on demand, as per scheme guidelines
7. I certify that the funds will be used only for Idea development as per activities defined in Scheme Guidelines & no funds out of this grant will be utilized for any other activity/production purposes.



# Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph: 07104 237019, 234623, 329249, 329250 Fax: 07104 232376, Website: www.ycce.edu

## Research and Development Cell

YCCE/R and D Cell/2022-23/ 172

Date: 15 March 2023

To  
Dr. Y. A. Suryawanshi  
Department of Electronics Engineering

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Experimental Setup

Dear Dr. Y. A. Suryawanshi

We are pleased to inform you that your proposal titled "Microcontroller Based Automatic water level detection and controlling water flow" is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 12,000/-**.

You are requested to initiate the work on the project at the earliest.

Dr. Yogita Chitriv  
Assistant Dean, FPD, R and D

Dr. Ujwala Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

Principal  
Yeshwantrao Chavan  
College of Engineering  
Wanadongri Hingna Road,  
NAGPUR-441110

Copy To

- HoD, Department of Electronics Engineering, YCCE
- A/C Section, YCCE





## Research and Development Cell

YCCE/R and D Cell/2022-23/ 173

Date: 15 March 2023

To

**M. S. Tufail**

**Department Mechanical Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Experimental Setup

Dear M. S. Tufail

We are pleased to inform you that your proposal titled "EDM Process Duration Measurement" is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 9,300/-**.

You are requested to initiate the work on the project at the earliest.

Dr. Yogita Chitriv  
Assistant Dean, FPD, R and D

Dr. Ujwala Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

Principal  
Yeshwantrao Chavan  
College of Engineering  
Wanadongri Hingna Road,  
NAGPUR-441110

Copy To

- HoD, Department of Mechanical Engineering, YCCE
- A/C Section, YCCE





## Research and Development Cell

YCCE/R and D Cell/2022-23/ 174

Date: 15 March 2023

To

Charuta S Waghmare

Department of Civil Engineering

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Experimental Setup

Dear Charuta S Waghmare

We are pleased to inform you that your proposal titled "Modified Roughing Filter" is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 15,000/-**.

You are requested to initiate the work on the project at the earliest.

Dr. Yogita Chitriv  
Assistant Dean, FPD, R and D

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

Principal  
Yeshwantrao Chavan  
College of Engineering,  
Wanadongri Hingna Road,  
NAGPUR-441110

Copy To

- HoD, Department of Civil Engineering, YCCE
- A/C Section, YCCE





## Research and Development Cell

YCCE/R and D Cell/2022-23/475

Date: 15 March 2023

To

**Dr. Bharati Masram**

**Department of Electronics and Telecommunication Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Experimental Setup

Dear Dr. Bharati Masram

We are pleased to inform you that your proposal titled "To Perform various interfacing with the development board of Microcontroller 8051" is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 21,600/-**.

You are requested to initiate the work on the project at the earliest.

Dr. Yogita Chitriv  
Assistant Dean, FPD, R and D

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

**Principal**  
**Yeshwantrao Chavan**  
**College of Engineering**  
**Wanadongri Hingna Road,**  
**NAGPUR-441110**

Copy To

- HoD, Department of Electronics and Telecommunication Engineering, YCCE
- A/C Section, YCCE





## Research and Development Cell

YCCE/R and D Cell/2022-23/ *A76*

Date: 15 March 2023

To  
Kanchan Kamble  
Department of Electronics and Telecommunication Engineering

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Experimental Setup

Dear Kanchan Kamble

We are pleased to inform you that your proposal titled "To study and verify the operation of various types of waveform generator using IC 741" is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 7,000/-**.

You are requested to initiate the work on the project at the earliest.

Dr. Yogita Chitriv  
Assistant Dean, FPD, R and D

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

Principal  
Yeshwantrao Chavan  
College of Engineering  
Wananongri Hingna Road,  
NAGPUR-441110

Copy To

- HoD, Department of Electronics and Telecommunication Engineering, YCCE
- A/C Section, YCCE





## Research and Development Cell

YCCE/R and D Cell/2022-23/ 177

Date: 15 March 2023

To  
Swati Nitnaware  
Department of Electronics and Telecommunication Engineering

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Experimental Setup

Dear Swati Nitnaware

We are pleased to inform you that your proposal titled "To design the logic circuit to control a motorized device that moves by signal from photocell sensors" is recommended by the committee for approval and the proposal is approved for financial assistance of Rs. 10,000/-.

You are requested to initiate the work on the project at the earliest.

Dr. Yogita Chitriv  
Assistant Dean, FPD, R and D

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

Principal  
Yeshwantrao Chavan  
College of Engineering  
Wanadongri Hingna Road,  
NAGPUR-441110

Copy To

- HoD, Department of Electronics and Telecommunication Engineering, YCCE
- A/C Section, YCCE







## Research and Development Cell

YCCE/R and D Cell/2022-23/ 478

Date: 15 March 2023

To  
Prasad Hatwalne  
Department of Mechanical Engineering

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Experimental Setup

Dear Prasad Hatwalne

We are pleased to inform you that your proposal titled "Determination of Metacentric Height" is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 1900/-**.

You are requested to initiate the work on the project at the earliest.

Dr. Yogita Chitriv  
Assistant Dean, FPD, R and D

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

**Principal**  
Yeshwantrao Chavan  
College of Engineering  
Wanadongri Hingna Road,  
NAGPUR-441110

Copy To

- HoD, Department of Mechanical Engineering, YCCE
- A/C Section, YCCE





Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

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Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

## Research and Development Cell

YCCE/R and D Cell/2022-23/464

Date: 15 March 2023

To

Prof. Prachi Gawande

Department of Electronics Engineering

Prof. Yogesh Kale

Department of Electronics & Telecommunication

Subject: Approval of Proposal submitted under In-House Innovative Minor Patentable Product/Project Development Scheme.

Dear Prof. Prachi Gawande / Prof. Yogesh Kale

We are pleased to inform you that your proposal titled "True Water Power Saver for Common Washroom" is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 17470/-**.

You are requested to initiate the work on the project at the earliest.

Dr. Nita D. Rehpade  
Assistant Dean,  
IPR

Dr. Ujwala Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal  
Principal  
Yeshwantrao Chavan  
College of Engineering  
Wanadongri Hingna Road,  
NAGPUR-441110

Copy To

- HoD, Department of Electronics Engineering, YCCE
- HoD, Department of Electronics & Telecommunication, YCCE
- A/C Section, YCCE





Nagar Yuwak Shikshan Sanstha's

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## Research and Development Cell

YCCE/R and D Cell/2022-23/ 465

Date: 15 March 2023

To  
Prof. V. B. Niranjane  
Department of Electronics & Telecommunication


Subject: Approval of Proposal submitted under In-House Innovative Minor Patentable Product/Project Development Scheme.

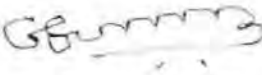
Dear Prof. V. B. Niranjane

We are pleased to inform you that your proposal titled "Canal Water Data Monitoring System" is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 15539/-**.

You are requested to initiate the work on the project at the earliest.

  
Dr. Nita D. Rehpade  
Assistant Dean,  
IPR

  
Dr. Ujwala Gawande  
Dean, R and D

  
Dr. U. P. Waghe  
Principal  
**Principal**  
Yeshwantrao Chavan  
College of Engineering  
Wanadongri Hingna Road,  
NAGPUR-441110

Copy To

- HoD, Department of Electronics & Telecommunication, YCCE
- A/C Section, YCCE





## Research and Development Cell

YCCE/R and D Cell/2022-23/466

Date: 15 March 2023

To

Prof. S. A. Desai/ Dr. M. M. Mushrif/ Dr. C. S. Gode  
Department of Electronics & Telecommunication

Subject: Approval of Proposal submitted under In-House Innovative Minor Patentable Product/Project Development Scheme.

Dear Prof. S. A. Desai/ Dr. M. M. Mushrif/ Dr. C. S. Gode

We are pleased to inform you that your proposal titled "IOT based Electrical energy monitoring system" is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 27550/-**.

You are requested to initiate the work on the project at the earliest.

Dr. Nita D. Rehpade  
Assistant Dean,  
IPR

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

**Principal**  
Yeshwantrao Chavan  
College of Engineering  
Wanadongri Hingna Road,  
NAGPUR-441110

Copy To

- HoD, Department of Electronics & Telecommunication, YCCE
- A/C Section, YCCE





## Research and Development Cell

YCCE/R and D Cell/2022-23/ 469

Date: 15 March 2023

To  
Prof. Prasad Hatwalne  
Department of Mechanical Engineering

Subject: Approval of Proposal submitted under In-House Innovative Minor Patentable Product/Project Development Scheme.

Dear Prof. Prasad Hatwalne

We are pleased to inform you that your proposal titled "Development of a device for slowing or stopping a moving human powered carts" is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 19500/-**.

You are requested to initiate the work on the project at the earliest.

Dr. Nita D. Rehpade  
Assistant Dean,  
IPR

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

**Principal**  
Yeshwantrao Chavan  
College of Engineering  
Wanadongri Hingna Road,  
NAGPUR-441110

Copy To

- HoD, Department of Mechanical Engineering, YCCE
- A/C Section, YCCE





## Research and Development Cell

YCCE/R and D Cell/2022-23/470

Date: 15 March 2023

To

Prof. M.S. Tufail / Prof. C. A. Mahatme  
Department of Mechanical Engineering

Subject: Approval of Proposal submitted under In-House Innovative Minor Patentable Product/Project Development Scheme.

Dear Prof. M.S. Tufail / Prof. C.A. Mahatme

We are pleased to inform you that your proposal titled "Analysis of Plastic Molding Clamp By Using Additive Manufacturing" is recommended by the committee for approval and the proposal is approved for financial assistance of Rs. 13900/-.

You are requested to initiate the work on the project at the earliest.

Dr. Nita D. Rehpade  
Assistant Dean,  
IPR

Dr. Ujwala Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

Principal  
Yeshwantrao Chavan  
College of Engineering  
Wanadongri Hingna Road,  
NAGPUR-441110

Copy To

- HoD, Department of Mechanical Engineering, YCCE
- A/C Section, YCCE





Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

## Research and Development Cell

YCCE/R and D Cell/2022-23/ 468

Date: 15 March 2023

To  
Prof. Vivek Jayale  
Department of Civil Engineering

Subject: Approval of Proposal submitted under In-House Innovative Minor Patentable Product/Project Development Scheme.

Dear Prof. Vivek Jayale

We are pleased to inform you that your proposal titled "Horizon -X1" is recommended by the committee for approval and the proposal is approved for financial assistance of Rs. 26800/-.

You are requested to initiate the work on the project at the earliest.

Dr. Nita D. Rehpade  
Assistant Dean,  
IPR

Dr. Ujwala Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

Principal  
Yeshwantrao Chavan  
College of Engineering  
Wanadongri Hingna Road,  
NAGPUR-441110

Copy To

- HoD, Department of Civil Engineering, YCCE
- A/C Section, YCCE





## Research and Development Cell

YCCE/R and D Cell/2022-23/ 467

Date: 15 March 2023

To  
Prof. Prashant Pande  
Department of Civil Engineering

Subject: Approval of Proposal submitted under In-House Innovative Minor Patentable Product/Project Development Scheme.

Dear Prof. Prashant Pande

We are pleased to inform you that your proposal titled "Light Weight Bricks" is recommended by the committee for approval and the proposal is approved for financial assistance of Rs. 24350/-.

You are requested to initiate the work on the project at the earliest.

Dr. Nita D. Rehpade  
Assistant Dean,  
IPR

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

Principal  
Yeshwantrao Chavan  
College of Engineering  
Hingna Road, Nagpur

Copy To

- HoD, Department of Civil Engineering, YCCE
- A/C Section, YCCE





## Yeshwantrao Chavan College of Engineering

Hingna Road Wanadongri,  
N A G P U R - 441110

### Student Project Expenses Ledger Account

1-Apr-2022 to 6-Sep-2023

| Date      | Particulars  | Vch Type | Vch No        | Debit            | Page 1<br>Credit |
|-----------|--|----------|---------------|------------------|------------------|
| 5-7-2022  | Cr <b>Moharil R.M</b>  | JOURNAL  | YCCE/ JV- 389 | 6,447.00         |                  |
|           | Primary Cost Category  |          |               |                  |                  |
|           | Electrical Engg[ E L ]   |          |               | 6,447.00 Cr      |                  |
|           | Primary Cost Category  |          |               |                  |                  |
|           | Electrical Engg[ E L ]   |          |               | 6,447.00 Dr      |                  |
|           | <i>being amount of Provision for Project Expenses submitted by Dept of Electrical - Project Titled-Hybrid Power Generation &amp; Storage MGMT - Material Purchase from Engineers Lab of Inv No. EL-03-24.04.2022 Student Name- Aninrose Mulla, Devyani Yadav, Janhavi Ambadkar, Rutuja Ingole, Pranay Kothale, Prathmesh Thabhane] Guide Name - DR R Moharil]</i>  |          |               |                  |                  |
|           |  |          |               | 6,447.00         |                  |
|           | Dr <b>Closing Balance</b>  |          |               |                  | 6,447.00         |
|           |  |          |               | <b>6,447.00</b>  | <b>6,447.00</b>  |
| 1-4-2023  | Cr <b>Opening Balance</b>  |          |               | <b>6,447.00</b>  |                  |
| 14-8-2023 | Cr <b>Doifode V. R.</b>  | JOURNAL  | YCCE/ JV- 656 | 41,493.00        |                  |
|           | Primary Cost Category  |          |               |                  |                  |
|           | Electrical Engg[ E L ]   |          |               | 24,463.00 Dr     |                  |
|           | 5 nos  |          |               |                  |                  |
|           | <i>being amount of Project Expenses submitted by Dept of Electrical [Rs. 24463/- Topics To Generate Electricity by using Smarts Speed Breakers- Student Name - Aditya Jaitly, Neahl Wande, Nikki Singh &amp; Janhavai katey &amp; Rs. 17030/- Topics-Design of Pumped Storage Hydro Power Plant- Student Name- Suresh Patane, Prathmesh Chitode, Bhargawi Wagh, Chaitnay Khati &amp; Pratiksha Raut]</i> |          |               |                  |                  |
|           |  |          |               | 47,940.00        |                  |
|           | Dr <b>Closing Balance</b>  |          |               |                  | 47,940.00        |
|           |  |          |               | <b>47,940.00</b> | <b>47,940.00</b> |

## Yeshwantrao Chavan College of Engineering

Hingna Road Wanadongri,

NAGPUR - 441110

### Student Project Expenses

Ledger Account

1-Apr-2022 to 4-Sep-2023

Page 1

| Date      | Particulars  | Vch Type | Vch No.       | Debit     | Credit |
|-----------|--|----------|---------------|-----------|--------|
| 10-9-2022 | Cr <b>Thote Dhiraj K</b><br>Primary Cost Category<br>Electronics & Telecomm. [E & T] 2,838.00 Cr   | JOURNAL_ | YCCE/ JV- 716 | 2,838.00  |        |
|           | Primary Cost Category<br>Electronics & Telecomm. [E & T] 2,838.00 Dr<br><i>being expenses submitted by student of dept of E &amp; T [ Project Name- Moedm e-trolley for good purchase with inventory management using android application] student name-Shantanu Kasale, Manjeet thakur, Parth Chinchalkar] Amazon in-Rs. 1199/- +419&amp; Sarvana Electronics-1220/</i>   |          |               |           |        |
|           | Cr <b>Madankar A A</b><br>Primary Cost Category<br>Electronics & Telecomm. [E & T] 12,440.00 Cr  | JOURNAL_ | YCCE/ JV- 717 | 12,440.00 |        |
|           | Primary Cost Category<br>Electronics & Telecomm. [E & T] 12,440.00 Dr<br><i>being expenses submitted by student of dept of E &amp; T [ Project Name-Accident detecting and prevation systems integrated in electric Pole] student Name - Ritesh Gokhe, Harshal Dharmik, Nikita Borate] - Novelty Electronics of /bill No. 159 dt. 03.10.2021</i>   |          |               |           |        |
| 24-9-2022 | Cr <b>Desai Sandip A.</b><br>Primary Cost Category<br>Electronics & Telecomm [E & T] 910.00 Dr   | JOURNAL_ | YCCE/ JV- 803 | 3,331.00  |        |
|           | <i>ANUKSHA SAKALKAR,<br/>PRERANA MESHRAM,<br/>ABHILASHA WALKE<br/>being expenses incurred for Project expenses submitted by dept of E &amp; T [ Project Name- Plant Water Systems for Rs. 910/- &amp; Automatic Plant Watering Systems for Rs. 690/- &amp; Water level Indicator for Rs. 408/- &amp; Bluetooth Controlled door lock for Rs. 733/- &amp; Automatic Visitor Counter for Hospita for Rs. 590/-]</i> |          |               |           |        |

yes **wantrao Chavan College of Engineering**  
**Student Project Expenses Ledger Account : 1-Apr-2022 to 4-Sep-2023**

| Date      | Particulars   | Vch Type | Vch No.       | Debit            |                  |
|-----------|---|----------|---------------|------------------|------------------|
|           | Brought Forward   |          |               | 18,609.00        |                  |
| 24-9-2022 | Cr <b>MASRAM BHARATI</b><br>Primary Cost Category<br>Electronics & Telecomm. [E & T] 596.00 Dr<br><b>BHARGAV SABLE, NIKHIL</b><br><b>TATATULE, OM GATUWAR</b><br><i>being expenses incurred for Project expenses submitted by dept of E &amp; T [ Project Name- Automatic plant irrigation systems using, microcontroller 8051 for Rs. 596/- &amp; Water level indicator using 8051 microcontrollrer for Rs. 638/- &amp; Automaic room Light Controller for Rs. 548/- &amp; Automatic Railway Gate for Rs. 537/- &amp; Automatic visitor Counter for Rs. 844/- &amp; Automatic Hand sanitisation Systems]</i> | JOURNAL_ | YCCE/ JV- 804 | 3,730.00         |                  |
|           | Cr <b>Choudhari Anagha V</b><br>Primary Cost Category<br>Electronics & Telecomm. [E & T] 1,587.00 Dr<br><b>SHSHRUT PANTAONE</b><br><i>being expenses incurred for Project expenses submitted by dept of E &amp; T [ Project Name- Automatic hand sanitisation machine for Rs. 1587/-Fastage finger First , Led Togglng for Rs. 1103/- &amp; To Check the LPG Gas Leakage for Rs. 802/-]</i>   | JOURNAL_ | YCCE/ JV- 805 | 3,492.00         |                  |
|           | Cr <b>MASRAM BHARATI</b><br>Primary Cost Category<br>Electronics & Telecomm. [E & T] 590.00 Dr<br><b>AYUSH MISHRA, AYUSH</b><br><b>GAWANDE, NAKSHATRA</b><br><b>SHINEKER</b><br><i>being expenses incurred for Project expenses submitted by dept of E &amp; T [ Project Name- Voling Machine using 8051 Micro Controller for Rs. 590/- &amp; Automaic Plant Watering Systems for Rs. 672/- &amp; Bluthooth Controlled door lock system for Rs. 1309/-]</i>   | JOURNAL_ | YCCE/ JV- 806 | 2,571.00         |                  |
|           | Cr <b>Choudhari Anagha V</b><br>Primary Cost Category<br>Electronics & Telecomm. [E & T] 1,864.00 Dr<br><b>RITESH UCHITKAR, LATIKA</b><br><b>DHABALE, ATHANRVA DANI</b><br><i>being expenses incurred for Project expenses submitted by dept of E &amp; T [ Project Name- Automtic Plant watering systems , led blinking for Rs. 1864/- &amp; Gasleakage idenlification &amp; Led Togglng for Rs. 761/- &amp; Automatic watering system, led Togglng for Rs. 1675/-]</i>  | JOURNAL_ | YCCE/ JV- 807 | 4,300.00         |                  |
|           |   |          |               | 32,702.00        |                  |
| Dr        | <b>Closing Balance</b>  |          |               |                  | 32,702.00        |
|           |   |          |               | <b>32,702.00</b> | <b>32,702.00</b> |

**Yeshwantrao Chavan College of Engineering**

Hingna Road Wanadongri,

N A G P U R - 441110

**Student Project Expenses**

Ledger Account

1-Apr-2022 to 31-Jul-2023

Page 1

| Date      | Particulars   | Vch Type | Vch No.       | Debit     | Credit |
|-----------|---|----------|---------------|-----------|--------|
| 24-9-2022 | Cr <b>Ambekar S.V.</b><br>Primary Cost Category<br>Civil Department [ C E ] 3,260.00 Cr<br>SRUSHTI DEWANAND<br>CHINDHALOR   | JOURNAL_ | YCCE/ JV- 808 | 3,260.00  |        |
|           | Primary Cost Category<br>Civil Department [ C E ] 3,260.00 Dr<br>M-TECH<br><i>being expenses incurred for Project expenses submitted by dept of Civil [ Project Name-Performance evaluation of Micorlage for treatment of Industrial Waster Water-1770+720+300+100+170+200]P G PROJECT]</i> |          |               |           |        |
|           | Cr <b>Meshram V.G.</b><br>Primary Cost Category<br>Civil Department [ C E ] 5,510.00 Cr<br>SHUBHAM ATRAM,GAGAN PAL,<br>AKANSHA LALWANI, SHAILESH<br>DHONGI, SAMIKSHA BHITADE  | JOURNAL_ | YCCE/ JV- 809 | 5,510.00  |        |
|           | Primary Cost Category<br>Civil Department [ C E ] 5,510.00 Dr<br><i>being expenses incurred for Project expenses submitted by dept of Civil [ Project Name-Light weight Concrete containing recycled Plastic - 1510/+4000/-]</i>  |          |               |           |        |
|           | Cr <b>Gajbhiye A . R.</b><br>Primary Cost Category<br>Civil Department [ C E ] 5,590.00 Cr<br>MOHD ASHADULLAH ANSARI  | JOURNAL_ | YCCE/ JV- 810 | 5,590.00  |        |
|           | Primary Cost Category<br>Civil Department [ C E ] 5,590.00 Dr<br><i>being expenses incurred for Project expenses submitted by dept of Civil [ Project Name-Utilisation of Waste Plastic in manufacturing of Bricks using Cement - 2100+1200+400+1890]</i>                                   |          |               |           |        |
|           | Cr <b>Nandurkar Bhupesh</b><br>Primary Cost Category<br>Civil Department [ C E ] 7,690.00 Cr<br>RUPESH NARKHEDE, NISHANT<br>MASKE, SIDDHESH<br>MUDDOMWAR  | JOURNAL_ | YCCE/ JV- 811 | 7,690.00  |        |
|           | Primary Cost Category<br>Civil Department [ C E ] 7,690.00 Dr<br>ESHAN GHARPURE,<br>SIDDHANT WARADE, ADITI<br>HARDE<br><i>being expenses incurred for Project expenses submitted by dept of Civil [ Project Name-Utilisation of Water Glass in Concrete - 3600+1380+2160+550 ]</i>          |          |               |           |        |
|           | Carried Over  |          |               |           |        |
|           |   |          |               | 22,050.00 |        |

| Date      | Particulars  | Vch Type | Vch No.       | Debit     | Credit |
|-----------|--|----------|---------------|-----------|--------|
|           | Brought Forward  |          |               | 22,050.00 |        |
| 24-9-2022 | Cr <b>Raut Sanjay Padmakar</b><br>Primary Cost Category<br>Civil Department [ C E ] 11,895.00 Cr<br>SWAPNIL RAIPUR, TANMAY<br>*AMBUDE, TEKESDRA SANDIYE  | JOURNAL_ | YCCE/ JV- 812 | 11,895.00 |        |
|           | Primary Cost Category<br>Civil Department [ C E ] 11,895.00 Dr<br>ATHARVA YERNE, RUTUJA<br>RATHOD, SUMIT NANORE<br><i>being expenses incurred for Project<br/>expenses submitted by dept of Civil [ Project<br/>Name - Development of sustainable concrete<br/>using Textile effluent sludge - 11800+95]</i>   |          |               |           |        |
|           | Cr <b>Mendhe Vaishali N</b><br>Primary Cost Category<br>Civil Department [ C E ] 9,356.00 Cr<br>GAURAV BHAKTE, DATTA<br>DESHMUKH, PIPRANTNA PATIL  | JOURNAL_ | YCCE/ JV- 813 | 9,356.00  |        |
|           | Primary Cost Category<br>Civil Department [ C E ] 9,356.00 Dr<br>SUSHANT NIMBALKAR,<br>SARTHK RAMTEKE, RAJESH<br>MADAVI<br><i>being expenses incurred for Project<br/>expenses submitted by dept of Civil [ Project<br/>Name - Experimental Study of Concrete by<br/>Partial replacement with Fly Ash and Fine<br/>aggregate with by copper Slag - 2970+500<br/>+5886]</i>               |          |               |           |        |
|           | Cr <b>ANSARI KHALID SHAMIM</b><br>Primary Cost Category<br>Civil Department [ C E ] 25,032.00 Cr<br>AMATYA PAHANPATE,<br>KAMLESH BIIOND, SHUBHAM<br>AKHARE   | JOURNAL_ | YCCE/ JV- 814 | 25,032.00 |        |
|           | Primary Cost Category<br>Civil Department [ C E ] 25,032.00 Dr<br>ISHA JIWANE, NIKHITA UPRE,<br>VAIDEHI WAGALWAR<br><i>being expenses incurred for Project<br/>expenses submitted by dept of Civil [ Project<br/>Name - Experimental analysis of grey water<br/>treatment by hybrid process of solar based<br/>electrocoagulation and semi-membrane<br/>process - 12844.30+12188.22]</i> |          |               |           |        |

Carried Over

68,333.00

| Date      | Particulars   | Vch Type | Vch No.       | Debit     | Credit |
|-----------|---|----------|---------------|-----------|--------|
|           | Brought Forward   |          |               | 68,333.00 |        |
| 24-9-2022 | Cr Agrawal Dhiraj G   | JOURNAL_ | YCCE/ JV- 815 | 16,837.00 |        |
|           | Primary Cost Category   |          |               |           |        |
|           | Civil Department [ C E ] 16,837.00 Cr   |          |               |           |        |
|           | ANIKET KOPARKAR, SARANG<br>BHIMANWAR, TEJAS TIPALE  |          |               |           |        |
|           | Primary Cost Category   |          |               |           |        |
|           | Civil Department [ C E ] 16,837.00 Dr   |          |               |           |        |
|           | JANVI SARODI, SHIVANI<br>NAMOJWAR, VAIDEHI<br>BANSODE   |          |               |           |        |
|           | being expenses incurred for Project<br>expenses submitted by dept of Civil [ Project<br>Name - Static and dynamic behavior of<br>regulensed concrete - 1025+7232+150<br>+3630+4800]           |          |               |           |        |
|           | Cr Hinge Pawan  | JOURNAL_ | YCCE/ JV- 816 | 2,460.00  |        |
|           | Primary Cost Category   |          |               |           |        |
|           | Civil Department [ C E ] 2,460.00 Cr  |          |               |           |        |
|           | ANIKET NAGE, VAIBHAV<br>TUMALE, RUSHIKESH HIWANJ  |          |               |           |        |
|           | Primary Cost Category   |          |               |           |        |
|           | Civil Department [ C E ] 2,460.00 Dr  |          |               |           |        |
|           | ATHARVA KASLIKAR, PRANAY<br>RAHATE, SUYUESH<br>RAKHUNDE   |          |               |           |        |
|           | being expenses incurred for Project<br>expenses submitted by dept of Civil [ Project<br>Name - Insvestigation of E Waste as<br>Replacement of Concrete agg in M S<br>Concrete - 360+1400+700] |          |               |           |        |
|           | Cr Yadav Amruta A   | JOURNAL_ | YCCE/ JV- 817 | 2,138.00  |        |
|           | Primary Cost Category   |          |               |           |        |
|           | Civil Department [ C E ] 2,138.00 Cr  |          |               |           |        |
|           | KARTIK INGLE, AHMED RAZA<br>KHAN, RISHIKESH KARALE  |          |               |           |        |
|           | Primary Cost Category   |          |               |           |        |
|           | Civil Department [ C E ] 2,138.00 Dr  |          |               |           |        |
|           | SAURABH MADANKAR,<br>MANTHAN PARTEKI,<br>BHUSHAN MADAVI   |          |               |           |        |
|           | being expenses incurred for Project<br>expenses submitted by dept of Civil [ Project<br>Name - Effect on strength Concrete using<br>metakaolin & Copper slag - 2138]                          |          |               |           |        |
|           | Cr Meshram Sangita S  | JOURNAL_ | YCCE/ JV- 818 | 5,094.00  |        |
|           | Primary Cost Category   |          |               |           |        |
|           | Civil Department [ C E ] 5,094.00 Cr  |          |               |           |        |
|           | DHIRAJ RATHOD, SAHIL<br>JAGTAP, RITESH DHUMNE   |          |               |           |        |
|           | Primary Cost Category   |          |               |           |        |
|           | Civil Department [ C E ] 5,094.00 Dr  |          |               |           |        |
|           | SHAILESH BIND, SUBODH<br>GAIKWAD, RAHIL INGLE   |          |               |           |        |
|           | being expenses incurred for Project<br>expenses submitted by dept of Civil [ Project<br>Name - Development of Building Block<br>using capola slag as inéol granular material<br>-5094/-]      |          |               |           |        |
|           | Carried Over  |          |               | 94,862.00 |        |

| Date      | Particulars   | Vch Type | Vch No.       | Debit     | Credit      |
|-----------|---|----------|---------------|-----------|-------------|
|           | .Brought Forward  |          |               | 94,862.00 |             |
| 24-9-2022 | Cr <b>WAGH Monali R</b><br>Primary Cost Category -<br>Civil Department [ C E ] 15,282.00 Cr<br>YASH PISE, YASH KENE, YASH<br>BHAWATKAR,<br>Primary Cost Category<br>Civil Department [ C E ] 15,282.00 Dr<br>AYUSH THAKRE, DIGUJAY<br>DASTURE, OM JIRAPURE<br>being expenses incurred for Project<br>expenses submitted by dept of Civil [ Project<br>Name - Study of soil compacting concrete<br>using bagasse ash & Molakaalin -3540+944<br>+7788+3010]                           | JOURNAL_ | YCCE/ JV- 810 | 15,282.00 |             |
|           | Cr <b>Kalamkar Sanket G</b><br>Primary Cost Category<br>Civil Department [ C E ] 7,340.00 Cr<br>AMAY TINKHIDE, ANIKET<br>NAGIRKAR, KINSHEK<br>KARMARKAR<br>Primary Cost Category<br>Civil Department [ C E ] 7,340.00 Dr<br>AACHAL GADIYALE, YASH<br>NETKE, DIVYA CHIMURKER<br>being expenses incurred for Project<br>expenses submitted by dept of Civil [ Project<br>Name - Reduction of surface rain water by<br>developing previous concrete using waste<br>material -640+6700] | JOURNAL_ | YCCE/ JV- 820 | 7,340.00  |             |
|           | Cr <b>RAJESH M BHAGAT</b><br>Primary Cost Category<br>Civil Department [ C E ] 13,452.00 Cr<br>VEDIKA KAMDI, UTKARSHA<br>GOHETRE, PRATIK JASWANTI<br>Primary Cost Category<br>Civil Department [ C E ] 13,452.00 Dr<br>AASHITA PARBUDE, MEENAL<br>KOTPALLIWAR, RACHNA<br>BOKSE<br>being expenses incurred for Project<br>expenses submitted by dept of Civil [ Project<br>Name -Evaluation of Adsorption capacity of<br>Adsorbents prepared fro Waste -5310+1416<br>+5310+1416]     | JOURNAL_ | YCCE/ JV- 821 | 13,452.00 |             |
|           | Cr <b>Khandeshwar S.R.</b><br>Primary Cost Category<br>Civil Department [ C E ] 43,359.00 Cr<br>M-TECH<br>Primary Cost Category<br>Civil Department [ C E ] 43,359.00 Dr<br>ANUJA RAVINDRA<br>GANGTHADE<br>being expenses incurred for Project<br>expenses submitted by dept of Civil [ Project<br>Name -Study membrane Bioreactor & to<br>check the performance of Ceramic<br>membrane Bio reaction -8390+43359]P G<br>PROJECT]  | JOURNAL_ | YCCE/ JV- 822 | 43,359.00 |             |
|           | Carried Over  |          |               |           | 1,74,295.00 |

| Date      | Particulars  | Vch Type | Vch No.       | Debit       | Credit      |
|-----------|--|----------|---------------|-------------|-------------|
|           | Brought Forward  |          |               | 1,74,295.00 |             |
| 24-9-2022 | Cr <b>Ambekar S.V.</b><br>Primary Cost Category<br>Civil Department [ C E ]<br>M-TECH<br>12,280.00 Cr  | JOURNAL_ | YCCE/ JV- 823 | 12,280.00   |             |
|           | Primary Cost Category<br>Civil Department [ C E ]<br>PRADHINYA VIIHALRAO<br>KOLHE<br>being expenses incurred for Project<br>expenses submitted by dept of Civil [ Project<br>Name - Study the feasibility of Electro fenton<br>Process-1500+350+195+500+1820+1500<br>+700+1000] P G PROJECT                              |          |               |             |             |
|           | Cr <b>Waghmare Charuta S</b><br>Primary Cost Category<br>Civil Department [ C E ]<br>BHABESH BASAK, DIGVIJAY<br>DASTURE, PRATHAMESH<br>URADE<br>7,887.00 Cr  | JOURNAL_ | YCCE/ JV- 824 | 7,887.00    |             |
|           | Primary Cost Category<br>Civil Department [ C E ]<br>RAKSHA DHAKATE, REVATI<br>KOKATE, SHEFALI MOHILE<br>being expenses incurred for Project<br>expenses submitted by dept of Civil [ Project<br>Name - Development of Horizontal raughing<br>filter for pretreatment of Grey Water - 382<br>+260+3000+300+1220+70+2655] |          |               |             |             |
|           | Cr <b>Warade Harshal</b><br>Primary Cost Category<br>Civil Engg<br>monika deoprasad TIWARI<br>12,450.00 Cr   | JOURNAL_ | YCCE/ JV- 825 | 12,450.00   |             |
|           | Primary Cost Category<br>Civil Department [ C E ]<br>M-TECH<br>being expenses incurred for Project<br>expenses submitted by dept of Civil [ Project<br>Name - Recirculation of Digoslate in C S T<br>R - 2500+2200+1100+800+1600+500+250<br>+3500] P G PROJECT]  |          |               |             |             |
|           | Cr <b>RAJESH M BHAGAT</b><br>Primary Cost Category<br>Civil Department [ C E ]<br>NEHAL GHARODE<br>10,746.00 Cr  | JOURNAL_ | YCCE/ JV- 826 | 10,746.00   |             |
|           | Primary Cost Category<br>Civil Department [ C E ]<br>M-TECH<br>being expenses incurred for Project<br>expenses submitted by dept of Civil [ Project<br>Name - Removal of Nichel from aquous soil<br>using agricultural waste based composite<br>addorbent - 4720+1062+2124+650+235<br>+480+220+1222- P G PROJECT]        |          |               |             |             |
|           | Carried Over   |          |               |             |             |
|           |  |          |               |             | 2,17,658.00 |



Yeshwantrao Chavan College of Engineering

Student Project Expenses Ledger Account : 1-Apr-2022 to 31-Jul-2023

| Date      | Particulars   | Vch Type | Vch No.       | Debit       | Credit      |
|-----------|---|----------|---------------|-------------|-------------|
|           | Brought Forward   |          |               | 2,17,658.00 |             |
| 24-9-2022 | Cr RAJESH M BHAGAT<br>Primary Cost Category<br>Civil Department [ C E ] 12,036.00 Cr<br>ROSHAN R BHURSE<br>Primary Cost Category<br>Civil Department [ C E ] 12,036.00 Dr<br>M-TECH<br><i>being expenses incurred for Project<br/>expenses submitted by dept of Civil [ Project<br/>Name - Utilisation of Agricultural Waste<br/>based adsorbent for removal of Copper from<br/>waster water - 1416+5310+5310- P G<br/>PROJECT]</i> | JOURNAL_ | YCCE/ JV- 827 | 12,036.00   |             |
|           |   |          |               |             | 2,29,694.00 |
| Dr        | Closing Balance   |          |               |             | 2,29,694.00 |
|           |   |          |               | 2,29,694.00 | 2,29,694.00 |

# **First Page of Research Base Project Reports**

# HYBRID POWER GENERATION AND STORAGE MANAGEMENT FOR SMART STREET LIGHTING

This project report is submitted to

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

*In partial fulfilment of the requirement*

*For the award of the degree*

*of*

**Bachelor of Electrical Engineering**

*By*

ARINAROSE MULLA

RUTUJA INGOLE

DEVYANI YADAV

PRANAY KOTHALE

JANHAVI AMBADKAR

PRATHMESH TABHANE

*Under the guidance of*

**Dr. R. M. Moharil**



**DEPARTMENT OF ELECTRICAL ENGINEERING**

Nagar Yuwak Shikshan Sanstha's

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING**

(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

NAGPUR – 441 110

**2021-2022**

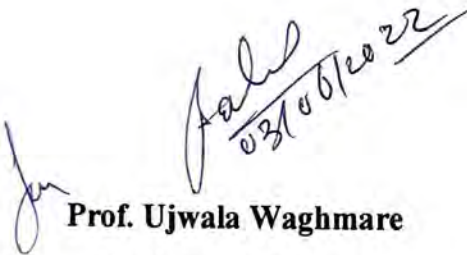
## CERTIFICATE OF APPROVAL

Certified that the project report entitled “Hybrid Power Generation and Storage Management for Smart Street Lighting” has been successfully completed by Arinarose Mulla, Devyani Yadav, Janhavi Ambadkar, Rutuja Ingole, Pranay Kothale and Prathmesh Tabhane under the guidance of **Dr. R. M. Moharil** in recognition to the partial fulfilment for the award of the Degree of Bachelor of Electrical Engineering, YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING (An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University).



**Dr. R. M. Moharil**

(Project Guide)



03/06/2022

**Prof. Ujwala Waghmare**

(Project Coordinator)



**Dr S. G. Kadwane**

(Head of Department,  
Electrical Engineering)



03/06/2022

Signature of External Examiner

Name: **Dr. V. S. Dhok**

Date of Examination:

**“PERFORMANCE EVALUATION OF MICROALGAE  
FOR TREATMENT OF WASTEWATER”**

*This project report is submitted to*

**Yeshwantrao Chavan College of Engineering**

*(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)*

*In partial fulfillment of the requirement*

*For the award of the degree*

*of*

**Master of Technology in Environmental Engineering**

*By*

**Srushti D. Chindhalore**

*Under the guidance of*

*(Guide)*

**Dr. S.V. Ambekar**

*(Professor, Department of civil Engineering)*

*(Co-Guide)*

**Dr. Prashant Dhorabe**

*(Director, Green Bee Resources Pvt. Ltd.)*



**DEPARTMENT OF CIVIL ENGINEERING**

**Nagar Yuwak Shikshan Sanstha's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

*(An autonomous institution affiliated to Rashtrasant Tukdoji Maharaj Nagpur University,  
Nagpur)*

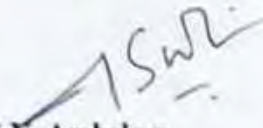
**NAGPUR – 441 110**

**2021-2022**


|

## CERTIFICATE OF APPROVAL

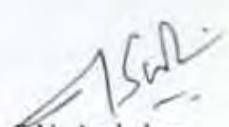
Certified that the project report entitled "**Performance evaluation of microalgae for treatment of wastewater**" has been successfully completed by **Srushti D. Chindhalore** under the guidance of **Dr. S.V. Ambekar** in recognition to the partial fulfillment for the award of the degree of Master of Technology in Environmental Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



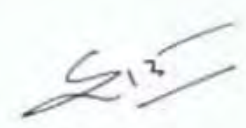
**Dr. S.V. Ambekar**  
(Guide)



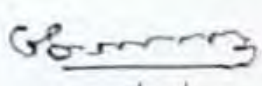
**Dr. Peashant Dhorabe**  
(Co-Guide)



**Dr. S.V. Ambekar**  
(Coordinator)



**Dr. S.P. Raut**  
(HOD, CE Dept.)



**Dr. U.P. Waghe**  
(Principal)

**Prof. P.B. Kulkarni**  
Signature of External Examiner:

Name:

**“Lightweight Concrete Containing Recycled Plastic  
Aggregates”**

*This project report is submitted to  
Yeshwantrao Chavan College of Engineering  
(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur  
University)*

*In partial fulfillment of the requirement  
For the award of the degree  
Of  
Bachelor of Engineering in Civil Engineering*

*By*  
**SHUBHAM ATRAM            GAGAN PAL**  
**SHAILESH DHONGE        SAMIKSHA BHITADE**  
**AAKANKSHA LALWANI**

*Under the guidance of*  
**Dr. V. G. Meshram**



**DEPARTMENT OF CIVIL ENGINEERING**  
Nagar Yuwak Shikshan Sanstha's

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING**  
*(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)*

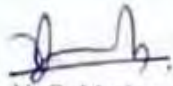
**NAGPUR – 441 110**

**2021-22**

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## CERTIFICATE OF APPROVAL

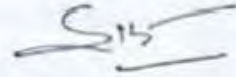
Certified that the project report entitled "Lightweight Concrete Containing Recycled Plastic Aggregates" has been successfully completed by Kunal Deshmukh ,Shubham Atram, Gagan Pal , Shailesh Dhonge , Samiksha Bhitade and Aakanksha Lalwani under the guidance of DR.VILAS GANUJI MESHRAM in recognition to the partial fulfilment for the award of the degree of Bachelor of Technology in Civil Engineering, Yeshwantrao Chavan College of Engineering( An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



DR. V. G. Meshram  
(Guide)



Ms. S.K.Kamble  
(Coordinator)



DR. S.P.RAUT  
(HOD)

Signature of External Examiner :

Name :

Date of Examination :



# "UTILISATION OF WASTE PLASTIC IN MANUFACTURING OF BRICKS BY USING CEMENT"

*This project report is submitted to*

*Yeshwantrao Chavan College of Engineering*

*(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur  
University)*

*In partial fulfillment of the requirement*

*For the Award of the degree*

*Of*

**Bachelor of Engineering in Civil engineering**

**By**

**Ms. Akshari Sawant**

**Ms. Sharayu Pohankar**

**Mr. Mohd Ashadullah Ansari**

**Ms. Irish Shaikh**

**Ms. Vaishnavi khawse**

**Mr. Siddharth Jain**

*Under the guidance of*

**Dr. A. R. GAJBHIYE**

**(Guide)**



**DEPARTMENT OF CIVIL ENGINEERING**

**Nagar Yuwak Shikshan Sansta's**

**Yeshwantrao Chavan College of Engineering**

**(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur  
University, Nagpur)**

**NAGPUR-441 110**

**2021-2022**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled "Utilization of Waste Plastic In Manufacturing of Bricks By Using Cement" has been successfully completed by Ms. Akshari Sawant, Ms. Irish Shaikh, Ms. Sharayu Pohankar, Ms. Vaishnavi Khawse, Mr. Mohd Ashadullah Ansari and Siddharth Jain under the guidance of Dr. A. R. Gajbhiye in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Civil Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



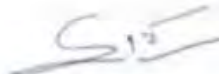
Dr. A. R. Gajbhiye

(Guide)  
Signature




Ms. S. K. Kamble

(Coordinator)  
Signature



Dr. S. P. Raut

(HOD)  
Signature

Name and Signature of External:  Prof. P. S. Bhandari  
Examiner: Date of Examination: 30-5-2022

**UTILISATION OF WASTE GLASS IN CONCRETE:  
GLASS CONCRETE**

*This project report is submitted to*

*Yeshwantrao Chavan College of Engineering*

*(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur  
University, Nagpur)*

*In partial fulfilment of the requirement*

*For the award of the degree*

*Of*

**Bachelor of Engineering in Civil Engineering**

*By*

**DEEPESH NARKHEDE**

**SIDDHANT HARDE**

**ESHAN GHARPURE**

**SIDDHESH MUDDAMWAR**

**NISHANT MASKE**

**ADITI HARDE**

Under the guidance of

**Dr. B.P. NANDURKAR**



**DEPARATMENT OF CIVIL ENGINEERING**

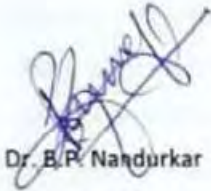
**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,  
NAGPUR – 441110**

**2021-2022**

i

## CERTIFICATE OF APPROVAL

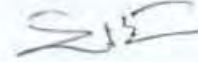
Certified that the project report entitled "UTILISATION OF WASTE GLASS IN CONCRETE: GLASS CONCRETE" has been successfully completed under the guidance of DR. BHUPESH P. NANDURKAR in recognition to the partial fulfillment for the award of the degree of Bachelor of Technology in Civil Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



Dr. B.P. Nandurkar  
(Guide)



Prof. S. Kamble  
(Coordinator)



Dr. S. P. Raut  
(HOD, CE Dept.)

Signature of External Examiner :

Name :

Date of Examination :

**DEVELOPMENT OF SUSTAINABLE CONCRETE USING TEXTILE EFFLUENT  
SLUDGE**

*This project report is submitted to*  
**Yeshwantrao Chavan College of Engineering**

*(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)*

*In partial fulfillment of the requirement*

*For the award of the degree*

*Of*

**Bachelor of Engineering in Civil Engineering**

**BY**

**RUTUJA RATHOD**

**SWAPNIL RAIPURE**

**ATHARVA YERNE**

**TANMAY AMBADE**

**SUMIT NONARE**

**TEKENDRA SANODIYA**

*Under the guidance of*

**Guide: Dr. Sanjay P. Raut**  
**Co-Guide: Prof. Udaysingh Patil**



**DEPARTMENT OF CIVIL ENGINEERING**

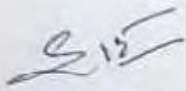
**Nagar YuvakShikshan Sanstha**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING**  
*(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)*  
**NAGPUR – 441110**

**2021-22**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled "DEVELOPMENT OF SUSTAINABLE CONCRETE USING TEXTILE EFFLUENT SLUDGE" has been successfully completed by Rutuja Vijay Rathod, Atharva Rajkumar Yerne, Sumit Ashok Nonare, Swapnil WarluRaipure, Tanmay Prakash Ambade and Tekendra Ishwar Prasad Sanodiya under the guidance of Dr. Sanjay P. Raut in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Civil Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



Dr. S. P. Raut  
(Guide)



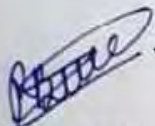
Prof. Uday Singh Patil  
(Co-Guide)



Prof. S. K. Kamble  
(Coordinator)



Dr. S. P. Raut  
(HoD)



Signature of External Examiner

Name: R. S. Buse

Date of Examination: 31/05/22

**EXPERIMENTAL STUDY OF CONCRETE BY PARTIAL  
REPLACEMENT OF CEMENT WITH FLY ASH AND  
FINE AGGREGATE BY COPPER SLAG.**

*This project report is submitted to*  
**Yeshwantrao Chavan College of Engineering**

*(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)*

*In partial fulfillment of the requirement for the award of the degree*

*Of*

**Bachelor of Engineering in  
Civil Engineering**

**BY**

**Mr. Sarthak M. Ramteke**

**Mr. Dipratna U. Patil**

**Mr. Rajesh M. Madavi**

**Mr. Sushant D. Nimbalkar**

**Mr. Gaurav P. Bhakte**

**Mr. Datta P. Deshmukh**

*Under the guidance of*

**Mrs. Vaishali Mendhe**



**DEPARTMENT OF CIVIL ENGINEERING**

**Nagar Yuwak Shikshan Sanstha**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING**

**(An autonomous institution affiliated to Rashtrasant Tukdoji Maharaj Nagpur University,  
Nagpur)**

**NAGPUR – 441110**

**2021-22**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled "EXPERIMENTAL STUDY OF CONCRETE BY PARTIAL REPLACEMENT OF CEMENT WITH FLY ASH AND FINE AGGREGATE BY COPPER SLAG." has been successfully completed by DIPRATNA UDAYBHAN PATIL, SUSHANT DIGAMBAR NIMBALKAR, SARTHAK MADHUKAR RAMTEKE, RAJESH MAHADEO MADAVI, GAURAV PRAKASH BHAKTE AND DATTA PANDITRAO DESHMUKH under the guidance of Mrs. Vaishali Mendhe in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Civil Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



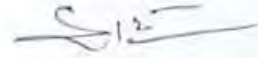
Signature

Mrs. Vaishali Mendhe  
(Guide)



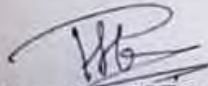
Signature

Prof. Snehal Kamble  
(Co-Ordinator)



Signature

Dr Sanjay P. Raut  
(HoD)



Signature of External

Examiner Name:- Prof. P. S. Bhandari

Date of Examination:- 31/05/2022



**EXPERIMENTAL ANALYSIS OF GREY WATER  
TREATMENT BY HYBRID PROCESS OF SOLAR BASED  
ELECTROCOAGULATION AND SEMI-MEMBRANE  
PROCESS**

*This project report is submitted to*

**Yeshwantrao Chavan College of Engineering**  
*(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)*

*In partial fulfillment of the requirement*

*For the award of the degree*

*Of*

**Bachelor of Engineering in Civil Engineering**

*By*

**NIKHITA UPARE, AMATYA PAHANPATE, SHUBHAM AKHARE,  
VAIDEHI WASLWAR, ISHA JIWANE, KAMLESH BHOND**

**Under the guidance of**

**Mr. Khalid S. Ansari**



**DEPARTMENT OF CIVIL ENGINEERING**

**Nagar Yuwak Shikshan Santa's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

*(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)*

**NAGPUR – 441 110**

**2021-22**

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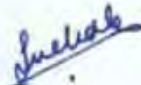
## CERTIFICATE OF APPROVAL

Certified that the project report entitled "**Experimental Analysis of Grey Water Treatment by Hybrid Process of Solar Based Electrocoagulation and Semi-membrane Process**" has been successfully completed by Nikhita Upare, Amatya Pahanpate, Shubham Akhare, Vaidehi Wasalwar, Isha Jiwane, Kamlesh Bhond under the guidance Mr. Khalid S. Ansari in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Civil Engineering, **Yeshwantrao Chavan College of Engineering** (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



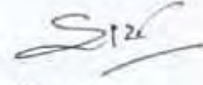
Signature

Mr. Khalid S. Ansari  
(Guide)



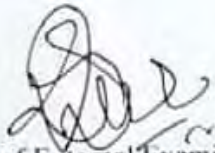
Signature

Mrs. Snehal Kamble  
(Coordinator)



Signature

Dr. S.P Raut  
(HOD, CE Dept.)



Signature of External Examiner

Name

Date of Examination

# STATIC & DYNAMIC BEHAVIOR OF RUBBERIZED CONCRETE

*This project report is submitted to*

**Yeshwantrao Chavan College of Engineering**  
*[An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur  
University]*

*In partial fulfilment of the requirement  
For the award of the degree*

*Of*  
**Bachelor of Engineering in Civil Engineering**

*By*  
**Janvi Sarode  
Shivani Namojwar  
Vaidehi Bansod  
Aniket Koparkar  
Sarang Bhimanwar  
Tejas Tipale**

**Under the guidance of  
Prof. D. G. Agrawal**



**DEPARTMENT OF CIVIL ENGINEERING**  
Nagar Yuvak Shikshan Sanstha's  
**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**  
**NAGPUR - 441110**  
*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur  
University, Nagpur)*  
**2021-2022**

## CERTIFICATE OF APPROVAL


Certified that the project report entitled "STATIC & DYNAMIC BEHAVIOR OF RUBBERIZED CONCRETE" has been successfully completed by JANVI SARODE, SHIVANI NAMOJWAR, VAIDEHI BANSOD, ANIKET KOPARKAR, SARANG BHIMANWAR, TEJAS TIPALE, under the guidance of Prof. D. G. AGRAWAL in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Civil Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



Signature  
Prof. D. G. Agrawal  
(Project Guide)



Signature  
Prof. S. K. Kamble  
(Coordinator, CE Dept.)



Signature  
Dr. S. P. Raut  
(HOD, CE Dept.)

**INVESTIGATION OF ELECTRONIC WASTE AS A  
REPLACEMENT OF COARSE  
AGGREGATE IN M50 CONCRETE**

*This project report is submitted to  
Yeshwantrao Chavan College of Engineering  
(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur  
University)*

*In partial fulfillment of the requirement*

*For the award of the degree*

*Bachelor of Engineering in Civil Engineering*

**By**

**ATHARVA KASLIKAR**

**PRANAY RAHATE**

**SUYASH RAKHUNDE**

**RUSHIKESH HIWANJ**

**ANIKET NAGE**

**VAIBHAV JUMALE**

*Under the guidance of*

**Prof. P. K. Hinge**



**DEPARTMENT OF CIVIL ENGINEERING  
Nagar Yuwak Shikshan Santa's  
YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,  
(An autonomous institution affiliated to Rashtrasant Tukadoji  
Maharaj Nagpur University, Nagpur)  
NAGPUR – 441 110  
2021-22**

**(i)**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled **Investigation of Electronic waste as a replacement of coarse Aggregate in M 50 grade of Concrete.** has been successfully completed by **ATHARVA KASLIKAR, PRANAY RAHATE, SUYASH RAKHUNDE, ANIKET NAGE, VAIBHAV JUMALE** and **RUSHIKESH HIWANJ** under the guidance of **P.K. HINGE** sir in recognition to the partial fulfilment for the award of the degree of Bachelor of Technology in Civil Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



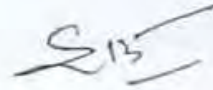
Signature

Prof.P.K.Hinge  
(Guide)



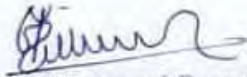
Signature

Snehal Kamble  
(Co-ordinator)



Signature

Dr.Sanjay P. Raut  
(HoD)



Signature of External Examiner :

Name : M.D. Pidurkuo

Date of Examination: 31/05/2022

**EFFECT ON STRENGTH OF CONCRETE BY USING  
METAKAOLIN AND COPPER SLAG.**

*This project report is submitted to*

*Yeshwantrao Chavan College of Engineering*

*(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur  
University)*

*In partial fulfilment of the requirement*

*For the award of the degree*

*Of*

**Bachelor of Engineering in Civil**

**Engineering**

**By**

SAURABH MANDAOKAR

MANTHAN PARTETI

AHMEDRAZA KHAN

KARTIK INGLE

RISHIKESH KARALE

BHUSHAN MADAVI

Under the guidance of: **Ms. Amruta A. Yadav**



**DEPARTMENT OF CIVIL ENGINEERING**

**Nagar Yuwak Shikshan Santa's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

**(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur)**

**NAGPUR – 441 110**

**2021-22**

## CERTIFICATE OF APPROVAL

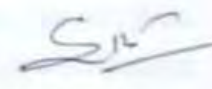
Certified that the project report entitled "EFFECT ON STRENGTH OF CONCRETE BY USING METAKAOLIN AND COPPER SLAG " has been successfully completed by Saurabh Mandaokar, Manthan Parteti, Ahmeadraza Khan, Kartik Ingle, Rishikesh Karale, Bhushan Madavi under the guidance of Ms. Amruta A. Yadav in recognition to the partial fulfilment for the award of the degree of Civil Engineering, **Yeshwantrao Chavan College of Engineering, Nagpur** (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)

  
Signature

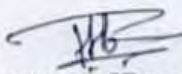
Name of Guide  
(Ms. Amruta A. Yadav)

  
Signature

Name of co-ordinator  
(Ms. Snehal Kamble)

  
Signature

Name of Head of deptt.  
(Dr. S.P. Raut )

  
Signature of External Examiner :

Name: Prof. P.S. Bhandari

Date of Examination: 30-5-2022



**DEVELOPMENT OF BUILDING BLOCKS BY USING  
CUPOLA SLAG AS AN INERT GRANULAR MATERIAL**

*This project is submitted to*

**Yeshwantrao Chavan College of Engineering**  
*(An Autonomous Institute Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)*

*In Partial fulfillment of the requirement*

*For the award of the degree*

*Of*

**Bachelor of Engineering in Civil Engineering**

*By*

**Shailesh Bind      Sahil Jagtap      Rahi Ingale**

**Subodh Gaykwad      Ritesh Dhumne      Dhiranjay Rathod**

*Under the Guidance of*

**Prof. S.S. Meshram**

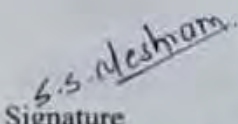
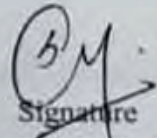

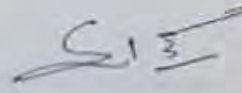


**DEPARTMENT OF CIVIL ENGINEERING**  
Nagar Yuwak Shikshan Sanstha's  
**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING**  
*(An Autonomous institution affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur)*  
**NAGPUR - 441 1100**

**2021 – 2022**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled "DEVELOPMENT OF BUILDING BLOCKS BY USING CUPOLA SLAG AS AN INERT GRANULAR MATERIAL " has been successfully completed by Shailesh Bind, Sahil Jagtap, Rahi Ingale, Subodh Gaykwad, Ritesh Dhumne, Dhiranjay Rathod under the guidance of Prof. S.S. Meshram in recognition to the partial fulfillment for the award of the degree of Bachelors of Technology in Civil Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)

|  |   |  |  |
|--|---|--|--|
| <br>Signature | <br>Signature | <br>Signature | <br>Signature |
| Prof. S.S. Meshram<br>(Guide)  | Prof. S.N. Harinkhede<br>( Co. Guide )  | Prof. S.K. Kamble<br>(Co.ordinator)  | Dr. S.P. Raut<br>(HOD ,Civil dept.)  |

Signature of External Examiner

Name

Date of Examination:

# “STUDY ON SELF COMPACTING CONCRETE USING BAGASSE ASH AND METAKAOLIN”

*This project report is submitted to*  
**Yeshwantrao Chavan College of Engineering**  
*(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)*

*In partial fulfilment of the requirement*  
*For the award of the degree*

*Of*

**Bachelor of Engineering in Civil Engineering**

*By*

|                  |             |
|------------------|-------------|
| AYUSH THAKARE    | OM JIRAPURE |
| DIGVIJAY DASTURE | YASH PISE   |
| YASH BHAGWATKAR  | YASH KENE   |

*Under the guidance of*

**Prof. M. R. Wagh**



**DEPARTMENT OF CIVIL ENGINEERING**

Nagar Yuwak Shikshan Sanstha's  
**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING**  
*(An autonomous institution affiliated to Rashtrasant Tukadoji  
Maharaj Nagpur University, Nagpur)*  
Nagpur - 441 110

2021-22

(i)

## Certificate of Approval

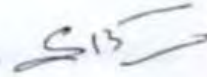
This is to Certified that the project report entitled "STUDY ON SELF COMPACTING CONCRETE USING BAGASSE ASH AND METAKAOLIN" has been successfully completed by Ayush Thakare, Om Jirapure, Digvijay Dasture, Yash Pise, Yash Bhagwatkar, Yash Kene under the guidance of Prof. Monali R. Wagh in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Civil Engineering, Yeshwantrao Chavan College of Engineering, Nagpur. (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



Signature  
Prof. Monali R. Wagh  
(Guide)



Signature  
Prof. Snehal Kamble  
(Coordinator)



Signature  
Dr. S. P. Raut  
(Head of Department)

Signature of External Examiner:

Name:

Date of Examination:

(ii)

**Reduction of surface runoff by developing the pervious  
concrete using waste materials.**

*This project report is submitted to*

**Yeshwantrao Chavan College of Engineering**

*(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur  
University)*

*In partial fulfillment of the requirement*

*For the award of the degree*

*Of*

**Bachelor of Engineering in CIVIL ENGINEERING**

*By*

**Aachal Gadpayle**

**Yash Netke**

**Divya Chimurkar**

**Amey Tinkhede**

**Aniket Nagarikar**

**Kinshuk Karmarkar**

*Under the guidance of*

**Prof. S. G. Kalamkar**



**DEPARTMENT OF CIVIL ENGINEERING**

**Nagar Yuwak Shikshan Sanstha's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING**

**(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur)**

**NAGPUR - 441 110**

**2021-22**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled " REDUCTION OF SURFACE RUNOFF BY DEVELOPING THE PERVIOUS CONCRETE USING WASTE MATERIALS" has been successfully completed by AACHAL GADPAYLE, YASH NETKE, DIVYA CHIMURKAR, AMEY TINKHEDE, ANIKET NAGARIKAR, KINSHUK KARMARKAR under the guidance of PROF. S. G. KALAMKAR in recognition to the partial fulfilment for the award of the degree of Bachelors of Engineering in Civil Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University).**



Signature

Prof. S. G. Kalamkar

(Guide)



Signature

Prof. S. K. Kamble

(Coordinator)



Signature

Dr. S. P. Raut

(HoD, CE DEPT)

**“Evaluation of Adsorption Capacity of Adsorbents Prepared  
from Agricultural & Industrial Waste”**

*This project report is submitted to*

**Yeshwantrao Chavan College of Engineering**

*(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)*

*In partial fulfillment of the requirement*

*For the award of the degree*

*Of*

**Bachelor of Engineering in Civil Engineering**

*By*

**Ms. Aastha Panbude**

**Ms. Meenal Katpalliwar**

**Ms. Rachana Bokse**

**Ms. Vedika Kamdi**

**Mr. Pratik Jaswante**

**Mr. Utkarsh Gohatre**

*Under the guidance of*

**Prof. Rajesh Bhagat**

*(Guide)*

**Dr. Prakash T. Kosankar**

*(Co- Guide)*



**DEPARTMENT OF CIVIL ENGINEERING**

**Nagar Yuwak Shikshan Sanstha's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

*(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University,*

*Nagpur)*

**NAGPUR – 441 110**

**2021-2022**

## CERTIFICATE OF APPROVAL

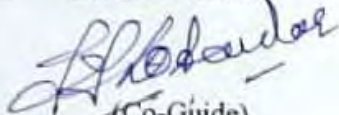
Certified that the project report entitled “**Evaluation of Adsorption Capacity of Adsorbents Prepared from Agricultural & Industrial Waste**” has been successfully completed by Ms. Aastha Panbude, Ms. Vedika Kamdi, Ms. Meenal Katpalliwar , Mr. Pratik Jaswante, Ms. Rachna Bokse and Mr. Utkarsh Gohatre under the guidance of Prof. Rajesh Bhagat and Dr. Prakash Kosankar in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Civil Engineering, **Yeshwantrao Chavan College of Engineering( An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**

Prof. Rajesh Bhagat



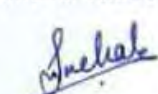
(Guide)  
Signature

Dr. P.T. Kosankar



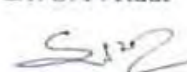
(Co-Guide)  
Signature

Snehal Kamble



(Coordinator)  
Signature

Dr. S. P. Raut



(HOD)  
Signature



**“TO STUDY MEMBRANE BIOREACTOR AND TO CHECK  
THE PERFORMANCE OF CERAMIC MEMBRANE  
BIOREACTOR”**

*This project report is submitted to*  
**Yeshwantrao Chavan College of Engineering**  
*(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*

*In partial fulfillment of the requirement for the award of the degree*  
*Of*

**Master of Technology in Environmental Engineering**

*By*

**Anuja R. Gangthade**

*Under the guidance of*

**Dr. Shantanu R. Khandeshwar**

**(Guide)**

**Er. Jagdish Lanjewar**

**(Director, Sun Enviro Technologies, Pvt. Ltd)**

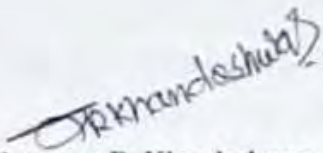
**(Co-Guide)**

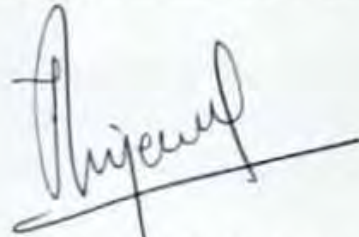


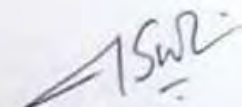
**DEPARTMENT OF CIVIL ENGINEERING**  
*Nagar Yuwak Shikshan Sanstha's*  
**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**  
*(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)*  
**NAGPUR – 441 110**  
**2021-2022**

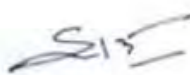
## CERTIFICATE OF APPROVAL

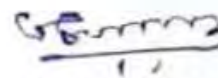
Certified that the project report entitled "To Study Membrane Bioreactor and To Check the Performance of Ceramic Membrane Bioreactor" has been successfully completed by **Anuja Ravindra Gangthade** under the guidance of **Dr. Shantanu Khandeshwar** and **Er. Jagdish Lanjewar** in recognition to the partial fulfillment for the award of the degree of Master of Technology in Civil Engineering, **Yeshwantrao Chavan College of Engineering, Nagpur (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**

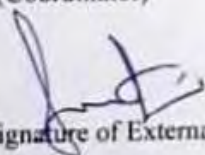
  
**Dr. Shantanu R. Khandeshwar**  
(Guide)

  
**Er. Jagdish Lanjewar**  
(Co-Guide)  
(Director of Sun Enviro Technologies  
Pvt Ltd., Nagpur)

  
**Dr. S.V. Ambekar**  
(Coordinator)

  
**Dr. S.P. Raut**  
(HOD, CE Dept.)

  
**Dr. U.P. Waghe**  
(Principal)

  
Signature of External:  
Examiner Name:

# **Feasibility Study of Electro-Fenton Process for Treatment of Wastewater**

*This project report is submitted to*

*Yeshwantrao Chavan College of Engineering  
(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*

*In partial fulfillment of the requirement*

*For the award of the degree*

*Of*

**Master of Technology in Environmental Engineering**

*By*

**Pradhnya .V. Kolhe**

*Under the guidance of*

**(Guide)**

**Dr. S.V.Ambekar**

(Professor, Department of civil Engineering)

**(Co-Guide)**

**Dr. Prashant Dhorabe**

(Director Green Bee Resources Pvt. Ltd. Nagpur)



**DEPARTMENT OF CIVIL ENGINEERING**

**Nagar Yuvak Shikshan Sanstha's**


**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**  
(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur)


**NAGPUR – 441 110**

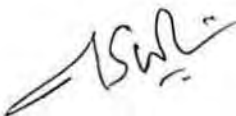
**2021-2022**


## CERTIFICATE OF APPROVAL

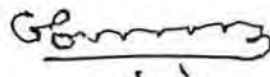
Certified that the project report entitled “Feasibility Study of Electro-Fenton Process for Treatment of Wastewater” has been successfully completed by Pradhnya .V. Kolhe under the guidance of Dr. S.V.Ambekar in recognition to the partial fulfillment for the award of the degree of Master of Technology in Mechanical Engineering, Yeshwantrao Chavan College of Engineering (*An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University*)

  
Dr. S.V.Ambekar  
(Guide)

  
Dr. Prashant Dhorabe  
(Co-Guide)

  
Dr. S.V.Ambekar  
(Coordinator)

  
Dr. S.P.Raut  
(HOD, CE Dept.)

  
Dr. U.P.Waghe  
(Principal)

Signature of External Examiner:  
Name: Prof. P. B. Kulkarni.

# **DEVELOPMENT OF HORIZONTAL ROUGHING FILTER FOR PRE-TREATMENT OF WATER**

*This project report is submitted to*

**Yeshwantrao Chavan College Of Engineering**

*(An autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)*

*In partial fulfillment of the requirement for the award of the degree*

*Of*

**Bachelor of Engineering in Civil Engineering**

*By*

*Raksha Dhakate  
Revati Kokate  
Shefali Mohile  
Bhabesh Basak  
Digvijay Dasture  
Prathamesh Urade*

*Under the guidance of*

**Prof. Charuta S. Waghmare**



**DEPARTMENT OF CIVIL ENGINEERING**

**Nagar Yuwak Shikshan Sanstha's**

**YESHWANTRAO CHAVHAN COLLEGE OF ENGINEERING,**

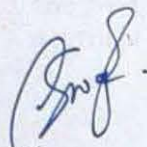
**(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur  
University, Nagpur)**

**NAGPUR – 441 110**

**2021-2022**

## CERTIFICATE OF APPROVAL

Certified that project report entitled " **DEVELOPMENT OF HORIZONTAL ROUGHING FILTER FOR PRE-TREATMENT OF WATER** " has been successfully completed by **RAKSHA DHAKATE, REVATI KOKATE, SHEFALI MOHILE, BHABESH BASAK, DIGVIJAY DASTURE, PRATHAMESH URADE**, under the guidance of **PROF. C. S. WAGHMARE** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Civil Engineering, **Yeshwantrao Chavhan College of Engineering (An Autonomus Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



Signature

Prof. C. S. Waghmare

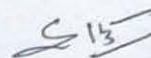
(Project Guide)



Signature

S. K. Kamble

(Dept. Co-ordinator)



Signature

Dr. S.P. Raut

(HOD, CE Dept.)

Signature of External Examiner

Name :

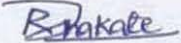
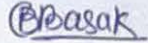
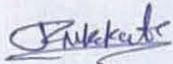

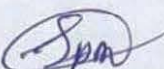
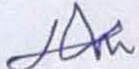
Date of Examination :

## DECLARATION

We certify that,

- The work contained in this project has been done by us under the guidance of our supervisor.
- The work has not been submitted to any other Institute for any degree or diploma.
- We have followed the guidelines provided by the Institute in preparing the project report.
- We have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- Whenever we have used materials (data, theoretical analysis, figures, and text) from other sources, we have given due credit to them by citing them in the text of the report and giving their details in the references. Further, we have taken permission from the copyright owners of the sources, whenever necessary.

Signature of students

| Name of the student | Signature of the Student  | Name of the student | Signature of the Student  |
|---------------------|---|---------------------|---|
| Raksha Dhakate      |  | Bhabesh Basak       |  |
| Revati Kokate       |  | Digvijay Dasture    |  |
| Shefali Mohile      |  | Prathamesh Urade    |  |

**ASSESSMENT OF BIOGAS PRODUCTION BY  
EXPERIMENTAL AND THEORETICAL METHODS  
USING REPOSENCE SURFACE METHODOLOGY**

*This project report is submitted to*  
**Yeshwantrao Chavan College of Engineering**  
*(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)*

*In partial fulfillment of the requirement for the award of the degree*

*Of*

**Master of Technology in Environmental Engineering**

*By*

**Monika Devpratap Tiwari**

*Under the guidance of*

**Dr. Harshal M Warade**

(Guide)

Prof. Khalid Ansari

(Co-Guide)

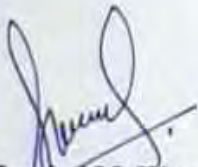


**DEPARTMENT OF CIVIL ENGINEERING**  
Nagar Yuwak Shikshan Sanstha's  
**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**  
*(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)*  
**NAGPUR – 441 110**  
**2021-2022**



## CERTIFICATE OF APPROVAL

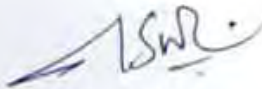
Certified that the project report entitled " Assessment of Biogas Production by Experimental and Theoretical Methods using Response Surface Methodology " has been successfully completed by **Monika Devpratap Tiwari** under the guidance of **Dr. Harshal M Warade and Prof. Khalid Ansari** in recognition to the partial fulfillment for the award of the degree of Master of Technology in Civil Engineering, **Yeshwantrao Chavan College of Engineering, Nagpur ( An Autonomous Institution Affiliated to Rashtrasant Tukdoji MaharajNagpur University)**



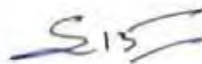
**Dr. Harshal M. Warade**  
(Guide)



**Prof. Khalid Ansari**  
(Co-Guide)

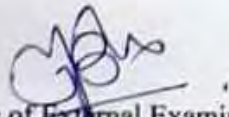


**Dr. S.V. Ambekar**  
(Coordinator)



**Dr. S.P. Raut**  
(HOD, CE Dept.)

**Dr. U.P. Waghe**  
(Principal)



Signature of External Examiner

Name:

Date of Examination:

**REMOVAL OF NICKEL FROM AQUEOUS SOLUTION  
USING AGRICULTURAL WASTE BASED COMPOSITE  
ADSORBENTS**

*This project report is submitted to*

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING, NAGPUR**

*(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)*

*In partial fulfillment of the requirement*

*For the award of the degree*

*Of*

**Master of Technology in Environmental Engineering**

*By*

**Mr. Nehal Gharde**

*Under the guidance of*

**Prof. Rajesh Bhagat (Guide)**

**Dr. Prashant Dhorabe (Co-Guide)**



**DEPARTMENT OF CIVIL ENGINEERING**

**Nagar Yuwak Shikshan Sanstha's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING, NAGPUR**

*(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur*

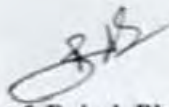
*University, Nagpur)*

**NAGPUR – 441 110**

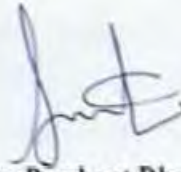
**2021-2022**

## CERTIFICATE OF APPROVAL

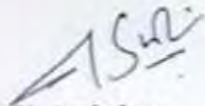
Certified that the project report entitled "**Removal of Nickel from aqueous solution using agricultural waste based composite adsorbent**" has been successfully completed by and **Nehal N. Gharde** under the guidance of **Prof. Rajesh Bhagat** and **Dr. Prashant Dhorabe** in recognition to the partial fulfillment for the award of the degree of Master of Technology in Environmental Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



**Prof. Rajesh Bhagat**  
(Guide)



**Dr. Prashant Dhorabe**  
(Director, Green Bee  
Resources Pvt. Ltd)  
(Co-Guide)



**Dr. S. V. Ambekar**  
(Coordinator)



**Dr. S.P. Raut**  
(HOD, CE Dept)

**“UTILIZATION OF AGRICULTURAL WASTE-BASED  
ADSORBENT FOR REMOVAL OF COPPER FROM  
WASTEWATER”**

*This project report is submitted to*

**Yeshwantrao Chavan College of Engineering**

*(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur  
University)*

*In partial fulfillment of the requirement for the award of the degree*

*Of*

**Master of Technology in Environmental Engineering**

*By*

**Roshan Ramesh Bhurse**

*Under the guidance of*

**Prof. Rajesh M. Bhagat**

*(Guide)*

**Dr. Ratnakumar Mudliar**

*(Co-Guide)*



**DEPARTMENT OF CIVIL ENGINEERING**

*Nagar Yuwak Shikshan Sanstha's*

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

*(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur  
University, Nagpur)*

**NAGPUR – 441 110**

**2021-2022**

## CERTIFICATE OF APPROVAL

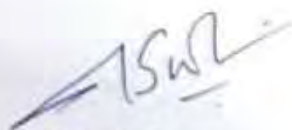
Certified that the project report entitled "UTILIZATION OF AGRICULTURAL WASTE BASED ADSORBENT FOR REMOVAL OF COPPER FROM WASTEWATER" has been successfully completed by **Roshan R. Bhurse** under the guidance of **Prof. Rajesh M. Bhagat** and **Dr. Ratnakumar Mudliar** in recognition to the partial fulfilment for the award of the degree of Master of Technology in Environmental Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



**Prof Rajesh M Bhagat**  
(Guide)



**Dr. Ratnakumar Mudliar**  
(Co- Guide)  
(Chief Advisor,  
Indian Environment Consultancy  
and research services)



**Dr. S. V. Ambekar**  
(Coordinator)



**Dr. S.P. Raut**  
(HOD, CE Dept)

# **Notification of Ph.D. and Ph.D. Degree Certificates**



No: GHRUA/R&D Cell/Ph.D./RRC/2021-22/ COMPUTER 001

Date: 01st April 2022

To: Mr. Bhushan Umashankar Bawankar

It is to inform you that the Research and Recognition Committee held on 15/03/2022 has accepted your application for Registration for Ph.D. Degree in the discipline of Computer Science & Engineering under the faculty of Science & Technology.

The approved topic, Supervisor, Place of Research and Date of Registration are as under:

|                      |    |  |
|----------------------|----|--|
| Topic of Research    | :  | "CLASSIFICATION AND IMPLEMENTATION OF OPTIMAL MACHINE LEARNING TECHNIQUES ON DNA DATA" |
| Supervisor           | :  | Dr. Kotadi Chinnaiah, School of Engineering & Technology, GHRU Amravati                |
| Place of Research    | :  | Department of Computer Science & Engineering, GHRU Amravati                            |
| Date of Registration | :  | w.e.f. 1 <sup>st</sup> June 2021   |
| Suggestion if any    | :- |  |

In addition to above, the candidate shall follow the instructions as mentioned below:

|                                       |  |                                       |                                       |                                       |                                   |                                   |                                   |
|---------------------------------------|--|---------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| 01                                    | You are informed to submit six months progress report on following dates:  |                                       |                                       |                                       |                                   |                                   |                                   |
|                                       | <table border="1"> <tr> <td>1st Progress report – 1st December 21</td> <td>3rd Progress report – 1st December 22</td> <td>5th Progress report – 1st December 23</td> </tr> <tr> <td>2nd Progress report – 1st June 22</td> <td>4th Progress report – 1st June 23</td> <td>6th Progress report – 1st June 24</td> </tr> </table>  | 1st Progress report – 1st December 21 | 3rd Progress report – 1st December 22 | 5th Progress report – 1st December 23 | 2nd Progress report – 1st June 22 | 4th Progress report – 1st June 23 | 6th Progress report – 1st June 24 |
| 1st Progress report – 1st December 21 | 3rd Progress report – 1st December 22  | 5th Progress report – 1st December 23 |                                       |                                       |                                   |                                   |                                   |
| 2nd Progress report – 1st June 22     | 4th Progress report – 1st June 23  | 6th Progress report – 1st June 24     |                                       |                                       |                                   |                                   |                                   |
|                                       | <b>Note:</b> you shall submit to the Controller of Examinations through the Head, Place of Research and the guide the progress report of your research after every six months. If you fail to submit three reports consecutively, your registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research. |                                       |                                       |                                       |                                   |                                   |                                   |
| 02                                    | Minimum two research publications in Science Citation Index (SCI) journal / Institute of Scientific Information (ISI) indexed journals / Scopus indexed journal / web of science indexed journal. The 'final accepted for publication' research paper may also be considered.  |                                       |                                       |                                       |                                   |                                   |                                   |
| 03                                    | It is clarified that if the paper is co-authored by more than one research scholars apart from supervisors, then only one research scholar whose name appears in the first amongst list of scholars would get credit of paper publication for submission of the Thesis.  |                                       |                                       |                                       |                                   |                                   |                                   |
| 04                                    | The regular yearly fees as prescribed by University will have to be paid in time.  |                                       |                                       |                                       |                                   |                                   |                                   |
| 05                                    | You have to submit the Ph.D. Thesis within SIX Years from the date of registration, otherwise; your registration shall stands cancelled as per the provisions of the concerned ordinance(s).   |                                       |                                       |                                       |                                   |                                   |                                   |
| 06                                    | <b>Please note that this registration of Ph.D. is subjected to the verification and truthfulness of all necessary documents at any level at any time during the tenure.</b>  |                                       |                                       |                                       |                                   |                                   |                                   |
| 07                                    | Notwithstanding anything stated in this letter, for any unforeseen issues arising, and not covered by Ordinance 9 of 2018, or in case of any dispute/ ambiguity or in the event of differences of interpretation, the decision of the Vice-Chancellor shall be final.  |                                       |                                       |                                       |                                   |                                   |                                   |
|                                       | This letter is subject to correction, if any.  |                                       |                                       |                                       |                                   |                                   |                                   |

Mr. Snehil G. Jaiswal  
Officiating Registrar  
G H Raison University, Amravati

Registrar  
G. H. Raison University  
AMRAVATI



Copy to:

1. Dr. Kotadi Chinnaiah, Supervisor
2. Office of Controller of Examination, GHRUA
3. Dean, Research & Development, GHRUA

Address : G H Raison Nagar, Anjangaon Bari Road,  
Amravati - 444701 (MH)  
Tel. : +91-0721-2385429 / 32 / 35  
Web : www.ghru.edu.in | Email : info@ghru.edu.in  
Corporate Office : 345, Shradha House, Kingsway, Nagpur- 440001 (MH)  
Tel. : +91-712-6617181/82





Email Letter

## RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

“(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)”

Board of Examination and Evaluation Department  
(Ph.D. Cell)  
Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/ Ph.D CELL/RRC./2020/R/1 127

Dated : 07-08-2020

To [REDACTED]  
Sushilkumar Shuddodhan Chavhan

New Takal Bhagatsingh Ward,  
Bhandara-441904

Subject : - Registration for Ph.D Degree Part Time Mode

Sir/Madam .

This is to inform you that the Research and Recognition Committee meeting held on 31-01-2020 has accepted your application for Registration for Ph.D. Degree in the subject of Information Technology and Computer Scier under the Faculty of Science & Technology. The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research :-

Information Retrieval from Object for Ranking using Machine Learning Techniques

Supervisor :-

Dr. M. M. Raghuvanshi

Place of Research :-

Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :-

31-01-2020



On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4th February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 32/2019** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .
- 2) Full time Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a years for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) After receipt of this registration letter undertaking must be submitted as per clause 4 and 5 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research.
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be

cancelled.

10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly retention fee of Rs. 500/- (from the date of Registration) every six months for retaining his/her name on the register of research students.
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- d) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their thesis to the in-Charge, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The In-Charge, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The In-Charge, University Campus Library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
Ph.D. Cell



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

“(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017).)”

**Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)  
Examination Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

No. RTMNU/Ph.D. Cell/RRC./ Oct.-2018/1028

Dated : 29/12/2018

To

**Mr. Amol Dilipkumar Gaikwad,**

Flat No. 108, Laxmivihar Complex Nirmal Building No.3  
Above Mamta Hospital Wardha Road Somalwada,  
Nagpur-440025

Subject :- Registration for Ph.D. Degree (~~Full-time~~ / **Part time**)

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **05/12/2018** has accepted your application for Registration for Ph.D. Degree in the subject of **Computer Science & Technology** under the faculty of **Science & Technology**. The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research : **Energy Efficient Load Balancing for Cloud Computing**

Supervisor : **Dr. Kavita R. Singh**

Place of Research : **Yeshwantrao Chavan College of Engineering, Nagpur**

Date of Registration : **05/12/2018**

Specific Suggestion made :  
by RRC

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4<sup>th</sup> February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 37/2017** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10<sup>th</sup> March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) After receipt of this registration letter undertaking must be submitted as per clause 5 and 6 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research. **(Proforma enclosed)**
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,

- c) The course work shall be treated as pre-requisite for Ph.D. programme.
- d) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- f) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- g) This letter is subject to correction, if any.

Yours faithfully,

Deputy Registrar  
(Post Exam. & Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

Copy forwarded to :-

- 1) Dr. Kavita R. Singh Professor, Yeshwantrao Chavan College of Engineering, Nagpur (Supervisor).
  - 2) The Principal, Yeshwantrao Chavan College of Engineering, Nagpur  
The Head, Place of Research, after the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the Direction No. 37/2017.
-



**VJTI**  
**Veermata Jijabai Technological Institute**  
 (Central Technological Institute, Maharashtra State, INDIA)  
 H. R. Mahajani Marg, Matunga, Mumbai 400019  
 Tel.No. +91 22 24198101-02 Fax: +91 22 24102874  
 www.vjti.ac.in

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Dean **RDC/Ph.D/Regis/907/ 5882** /2018

Date: 8<sup>th</sup> January, 2019  
**10 JAN 2019**

Ms. Priyanka Babulal Jaiswal

**Ph. D Application Reference No. 930 & Admission Date: 31.08.2018**  
**SUB: Admission for Ph. D Programme 2018**

With respect to your application on the cited subject matter, we are pleased to offer you an admission as **PART TIME (Sponsored)** candidate to Ph. D programme at VJTI from the academic year 2018-19, in **Computer Engineering** discipline in **Computer Engineering** Department.

1. You are required to acquire minimum of 12 credits from amongst M.<sup>2</sup>Tech level courses (04 theory courses including Computational Methods and Research Methodology courses) within first two semesters after registration. The courses Computational Methods and Research Methodology are compulsory for all the research scholars admitted in the Institute. The remaining courses are required to be taken on the advice of the supervisors and recommendation of respective DAC.
2. You will have to deliver a seminar before the completion of the first year by studying at least five quality research papers in the chosen field of interest as suggested by the supervisor, which will be evaluated by a committee of three faculty members who are research supervisors, and satisfactory performance is must for further continuance of registration.
3. You should acquire a minimum CPI of 6.0 in the registered courses for further continuation in the Ph.D programme. A research scholar who fails to satisfy the requirement of minimum CPI of 6.0 within first year of admission has to discontinue the programme.
4. You have to prepare an outline of the proposed research work in consultation with the supervisor's and submit the same to respective DAC within a maximum period of nine months from the date of registration Completion of course work of 12 credits with a CPI of 6.0 and above and approval of the proposal by the PhD affairs committee is must for further continuation of the PhD registration.
5. A research Progress Committee (RPC) will be in the place for every Research Scholar admitted. You will undergo RPC evaluation to examine satisfactory progress of your research work. The observation and decisions of the RPC are binding on you. Further, it is mandatory for you to take part in Ph. D colloquium at VJTI every year till submission of synopsis.

P.T.O

6. Minimum duration for full time research scholars will be three years and the same for part time scholars will be four years from the date of registration. Minimum duration indicates the period after which you are eligible to submit final synopsis for examination process. ~~However, Maximum duration permissible for Ph. D programme will be 6 years for all.~~
7. You will follow all rules and regulations of Ph. D program at VJTI as laid down from time to time.
8. You are required to complete registration in every year till pre-synopsis presentation.
9. You have to publish at least two research papers in peer-reviewed Journals as an outcome of Ph.D work. One research paper has to be in SCI/Scopus Indexed Journal.
10. Above rules are subject to change from time to time as per decision of Academic Council of VJTI and UGC norms.

*[Signature]*  
Dean (RDC)





## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)

Examination Bhawan, Laxminarayan Institute of Technology Premises, Rashtrasant Tukadoji  
Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/ Ph.D cELL/rrc./May.-2019/ 279

Dated : 13-05-2019

To ,

**POONAM TULSHIRAM AGARKAR**

B-15, Behind Kshitij Classes, Shrinath  
Sai Nagar, Onkar Nagar, Manewada  
Besa Road, Nagpur - 27

7722005597

Subject : - Registration for Ph.D Degree Part Time

Sir/Madam ,

This is to inform you that the Research and Recognition Committee meeting held on **13-05-2019** has accepted your application for Registration for Ph.D. Degree in the subject of **ELECTRONICS ENGINEERING** under the faculty of **Faculty of Science & Technology** The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research :- **To enhance the QoS by improving the Routing performance in WSN**

Supervisor :- **Dr. P.T. Karule**

Place of Research :- **Yeshwantrao Chavan College of Engineering Nagpur**

Date Of Registration :- **13-05-2019 00:00:00**

Specific Suggestion made  
by RRC:-



On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4th February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 23/2018** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a years for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) After receipt of this registration letter undertaking must be submitted as per clause 4 and 5 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research. (**Proforma enclosed**)
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of information and document submitted by him/her. if

it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.

10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,
- c) **The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.**
- d) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- f) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- g) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
Ph.D. Cell  
Rashtrasant Tukadoji  
Maharaj

Copy forwarded to :-

- 1) Dr. P.T. Karule

2) The principal /director/Head,(Place of Research)

Yeshwantrao Chavan College of Engineering Nagpur

The Head ,Place of Research,After the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the direction No.23/2018.

**If fails to submit three progress report consecutively initiate the process of cancellation ohPH.D Registration.**

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**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

“(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017).)”

**Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)**

**Examination Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

No. RTMNU/Ph.D. Cell/RRC./ Oct.-2018/996

Dated : 28 /12/2018

To

Mr. Yogesh Subhashrao Kale  
303, Akash Estate2 Jaitala  
Nagpur-440036

Subject :- Registration for Ph.D. Degree (~~Full time~~/ **Part time**)

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **29/10/2018** has accepted your application for Registration for Ph.D. Degree in the subject of **Electronics Engineering** under the faculty of **Science & Technology**. The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

**Topic of Research** : **Modified Title :- Reduce Fals Prediction of Chronic Diseases using IoT Module**

**Supervisor** : **Dr. S.V. Rathkanthiwar**

**Place of Research** : **Yeshwantrao Chavan College of Engineering, Nagpur**

**Date of Registration** : **29/10/2018**

**Specific Suggestion made** :  
by RRC

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4<sup>th</sup> February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 37/2017** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10<sup>th</sup> March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) After receipt of this registration letter undertaking must be submitted as per clause 5 and 6 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research. **(Proforma enclosed)**
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,
- c) The course work shall be treated as pre-requisite for Ph.D. programme.

- d) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- f) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- g) This letter is subject to correction, if any.

Yours faithfully,

Deputy Registrar  
(Post Exam. & Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

Copy forwarded to :-

- 1) Dr. S.V. Rathkantiwar, Professor, Yeshwantrao Chavan College of Engineering, Nagpur (Supervisor).
- 2) The Head/ Principal, Yeshwantrao Chavan College of Engineering, Nagpur (Place of Research)

The Head, Place of Research, after the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the Direction No. 37/2017.

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## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1653

Dated : 06-06-2022

To ,

**Sachin Arvind Kawalkar**

SACHIN KAWALKAR PLOT NO 4 V BEHIND TIRUPATI BANK  
NARENDRA NAGAR NAGPUR

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101509117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 19/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- An Analysis and Development of Algorithm for Securing Complex Cloud networks

Supervisor :- DR DINESH B BHOYAR

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 19/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.



- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : DR DINESH B BHOYAR **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1574

Dated : 03-06-2022

To ,

**Abhinav Ashokrao Parkhi**

FLAT NO 102, PLOT NO 101 TIRUPATI PARADISE BEHIND UCO BANK  
MANISH NAGAR NAGPUR-440015

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100738117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 19/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Design and Implementation of Deep Learning Architecture for Person Re-Identification Based On Embedded Cluster Analysis.

Supervisor :- Dr.A.S.Khobragade

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 19/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.

2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.

3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.

4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.

5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a years for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,

6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.

7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.

8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.

9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr.A.S.Khobragade **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1605

Dated : 03-06-2022

To ,

**Abhishek Arun Madankar**

PLOT NO. 64, AMAR SANJAY SOCIETY, BEHIND KRIMS HOSPITAL  
MANISH NAGAR NAGPUR

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100952117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 21/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Improving the Channel Characteristics of Milli-Meter Wave  
Communications Using Machine Learning Algorithms

Supervisor :- DR. ATISH S. KHOBRAGADE

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 21/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : DR. ATISH S. KHOBRADE **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1610

Dated : 03-06-2022

To ,

**Anagha Viraj Choudhari**

Plot No. D-6, Flat No 701, Ush:Kaal Heights, NEERI Road, Laxminagar,  
Nagpur

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101034117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 21/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- DESIGN & DEVELOPMENT OF EFFICIENT SOIL NUTRIENT  
ELECTRONIC SYSTEM FOR INDIAN CROPS

Supervisor :- Dr. Dinesh B. Bhoyar

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 21/03/2022



On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. Dinesh B. Bhoyar **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1615

Dated : 03-06-2022

To ,

**Aniket Vaman Gokhale**

Plot No A-B, Flat No 14,  
Saket Prithvi Apartment,  
Surendranagar,  
Nagpur-440015

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101469117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 21/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of **ELECTRONICS ENGINEERING** under the **Faculty of Science & Technology**. The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research :- VIDEO OBJECT TRACKING USING FRAME HISTOGRAM AND SEGMENTATION.

Supervisor :- Dr. Pravin K Dakhole  
Co-Supervisor (if Any) :-  
Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur  
Date Of Registration :- 21/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. Pravin K Dakhole **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1600

Dated : 03-06-2022

To ,

**Atish Ashok Peshattiwar**

plot no D-18, shahakar layout, vaibhav nagar, wanadongari, hingna road,  
nagpur.

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100509117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 19/03/2022  
has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Design an Algorithm for performance Analysis of Polar Code for 5G  
Communication System

Supervisor :- Dr. A. S. Khobragade

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 19/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.

2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.

3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.

4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.

5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,

6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.

7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.

8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.

9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. A. S. Khobragade **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-





## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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\*\*\*

Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1598

Dated : 03-06-2022

To ,

**Hitesh Suresh Gehani**

Saraswati Bhavan, Plot No 426, Near Sindhu Balodhyan, Jaripatka, Nagpur

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100683117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 19/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Security & QOS Enhancement of IOT system Using Computational Intelligence and Side chaining

Supervisor :- Dr.(Mrs)Shubhangi V Rathkanthiwar

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 19/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr.(Mrs)Shubhangi V Rathkanthiwar **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1595

Dated : 03-06-2022

To ,

**Kuldeep Gangadhar Pande**

Plot No. 13 Bandu Soni Lay Out Trimurti nagar Ring Road Nagpur

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100506117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 19/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Design of Floating-Point Arithmetic Computational Units for Non Linear Applications

Supervisor :- Dr. P. T. Karule

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 19/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.


- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. P. T. Karule **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1568

Dated : 03-06-2022

To ,

**Minal Shashikant Ghute**

FLAT NO.-C403,WATERGREEN APARTMENT,SANSON  
LAYOUT,JAITALA,NAGPUR

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101161117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 19/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Design an Efficient Cryptography Technique for Secure Wireless  
Communication Network

Supervisor :- Dr. YOGESH A. SURYAWANSHI

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 19/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.



- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. YOGESH A. SURYAWANSHI **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1637

Dated : 04-06-2022

To ,

**Minal Suresh Patil**

PLOT NO 41, NEAR RAMAI BUDDHA VIHAR RANWADI , SHREENAGAR  
NAGPUR

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101031117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 21/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Performance Evaluation and Improvement of Cluster based Algorithm  
for Mobile Ad hoc Network

Supervisor :- DR. Manish D. Chawhan

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 21/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : DR. Manish D. Chawhan **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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\*\*\*

**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1572

Dated : 03-06-2022

To ,

**Poonam Ramesh Chaudhari**

C011, MEGHDEEP APARTMENT, NEAR VASUDEV NAGAR METRO  
STATION, HINGNA ROAD, NAGPUR

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100743117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 19/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Performance optimization of solar Power Plant by Temperature Tracking Using Embedded System

Supervisor :- Dr. R. D. Thakare

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 19/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. R. D. Thakare **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1585

Dated : 03-06-2022

To ,

**Pradnya Atmaram Jadhav**

D-211 RACHANA TARNAGAN, HINGNA T POINT ,NAGPUR

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101744117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 19/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Design and Development of efficient algorithm for security of vehicular Ad.hoc Network .

Supervisor :- PRADNYA JADHAV

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 19/03/2022



On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.

2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.

3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.

4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.

5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,

6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.

7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.

8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.

9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : PRADNYA JADHAV **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1611

Dated : 03-06-2022

To ,

**Sandip Ashokkumar Desai**

406, Gayatri Vihar, C.A. Road, Nagpur

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101067117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 21/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Brain MRI image analysis for tumor detection and its classification using machine learning .

Supervisor :- Dr. Milind M. Mushrif

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 21/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. Milind M. Mushrif **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1631

Dated : 03-06-2022

To ,

**Sujata Shahul Chiwande**

C-504, SAHAYOG, NIT HOUSING SOCIETY, TRIMURTY NAGAR,  
BHAMTI, NAGPUR 440022

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101035117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 21/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Design of Reversible Logic Circuits for Optimized Power and Speed Application

Supervisor :- Dr. Pravin K. Dakhole

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 21/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.

2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.

3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.

4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.

5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,

6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.

7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.

8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.

9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. Pravin K. Dakhole **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-





## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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\*\*\*

**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1618

Dated : 03-06-2022

To ,

**Swati Krishnarao Mohod**

flat no 103, shiv residency apartment 2, mahesh nagar, near gorewada  
road, borgaon nagpur

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101392117

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 21/03/2022  
has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- An identification and classification of images for predictive diagnosis of  
brain diseases

Supervisor :- Dr. R. D. Thakare

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 21/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. R. D. Thakare **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

\*\*\*

Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1636

Dated : 03-06-2022

To ,

**Vilas Diwakarrao Alagdeve**

G-A, RAJNIGANDHA APARTMENT, HINGNA CITY SOCIETY,  
DHANGARPURA SQUARE, HINGNA, NAGPUR, 441110

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100788110

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 21/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRONICS ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Design and Analysis of Stock Market Prediction Modelling Using  
Recurrent Neural Network and Machine Learning

Supervisor :- Dr. P. T. Karule

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 21/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. P. T. Karule **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-

**SANT GADGE BABA AMRAVATI UNIVERSITY**

Tele (O) : 0721 2668220

No. SGBAU/PhD/263 /2023

Email : [drphdcell@sgbau.ac.in](mailto:drphdcell@sgbau.ac.in)

Dated : 16.05.2023

To,


Director/Principal/Head of Department/ Chairperson of RAC  
Babasaheb Naik College of Engg.,  
Pusad.

This is to inform you that the Research Proposal of the students mentioned in column No.3 under the Supervisor as mentioned in column No.4 has been accepted by the Research and Recognition Committee under Section 37(2)(a) of M.P.U. Act, 2016 for the Subject Computer Science & Engineering in the Faculty of Science & Technology held on 15.05.2023

| Sr No | Centre / College Code | Name of Students                    | Name of Supervisor  | Subject/ Faculty                          | Topic   | Registration No. & Remark                                 |
|-------|-----------------------|-------------------------------------|---------------------|---|---|---|
| 1     | 2                     | 3                                   | 4                   | 5   | 6   | 7   |
| 1     | 415                   | Pranjali B. Uithe                   | Dr. Suresh S. Asole | Computer Sci & Engg/ Science & Technology | "DESIGN & EVALUATION OF BLOCK CHAIN BASED SECURE AND QoS-AWARE IoT NETWORK FOR 5G NETWORK DEPLOYMENTS USING AI" | SGBAU/Ph.D./ Comp Sci & Engg / 2894/2023 w.e.f 01.09.2022 |
| 2     | 415                   | Sheikh Fazal Ahmed Mohd Khalilullah | Dr. S.Y. Amstani    | Computer Sci & Engg/ Science & Technology | DESIGN AND DEVELOPMENT OF QUANTUM MACHINE LEARNING TECHNIQUE FOR EARLY DIAGNOSIS OF A DISEASE                   | SGBAU/Ph.D./ Comp Sci & Engg / 2895/2023 w.e.f 01.09.2022 |
| 3     | 415                   | Rahul M. Raut                       | Dr. Suresh S. Asole | Computer Sci & Engg/ Science & Technology | "DEVELOPMENT OF DEEP NEURAL NETWORK BASED SYSTEM FOR LOCATION SPOOFING ATTACK IN VANET"                         | SGBAU/Ph.D./ Comp Sci & Engg / 2896/2023 w.e.f 01.09.2022 |

Your registration is subject to compliance with following conditions:-

- The provisions of the Ordinance No.01 /2016 as amended by the University from time to time shall be applicable.
- Verification of all documents of qualification/eligibility at any time during the period of registration.
- Scholar shall have to submit the yearly progress report of research in the prescribed format through RAC. To the university on or before 31<sup>st</sup> August along with the yearly retention fee of Rs.2000/-. If the scholar fails to submit the progress report consecutively for two years the registration shall stand cancelled.
- The duration of PhD programme including course work shall be minimum three years to maximum six years from the date of admission. However, extension for a period of maximum one year may be granted on the recommendation of the RAC and with the approval of the RRC.  
Provided, the person with disability (more than 40% disability) may be allowed a relaxation up to two years.  
Provided, the lady scholar may be allowed relaxation of up to the period equal to maternity leave/ child care leave once in the entire duration of PhD Programme.
- The scholar shall be allowed to submit the draft Ph.D. thesis for pre-defense to the concerned Research Centre not earlier than two years from the date of registration.
- The Ph.D. scholar shall have to submit final thesis to Research Centre through the supervisor within three months from the date of pre-defense.
- Please read carefully the provisions of Ordinance No.1/2016 before submission of thesis.

  
Assistant Registrar (PhD Cell),  
Sant Gadge Baba Amravati University

Copy to,

- All Concerned Supervisor.
- All Concerned Students.



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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\*\*\*

Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1535

Dated : 01-06-2022

To ,

**Rupa Ashutosh Fadnavis**

MANGALYA 162, GANDHINAGAR NAGPUR -440010

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101074137

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 17/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of **Computer Engineering/Information Technology i)Computer Science and Technnc** under the **Faculty of Science & Technology** The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research :- Design and Development of Machine Learning Techniques for Personalized Medicine

Supervisor :- Dr.Manali .M. Kshirsagar

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 17/03/2022



On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr.Manali .M. Kshirsagar **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-

Ref. No.: KU/PHD/ENT2023/EC/0221

Naya Raipur, Dated: 10/08/2023

Reference: KU/ Ph.D./Entrance Examination/2023

**Subject: Offer Letter for Provisional Admission in the Ph.D. Program (Electrical Engineering).**

Dear **Ms./Mr. Gaurav Gondhalekar,**

Based on your application, Entrance Examination and subsequent interview, we are pleased to inform you that you are eligible for the Provisional Admission in the **Ph. D. Program (Electrical Engineering)** Session 2023 -24. Subject to the completion of the following:

1. Duly fill the online Admission Form
2. Your updated resume
3. Attach all your academic documents and Migration Certificate in original (within 90 days from the date of admission).
4. In case you are employed (Permanent, Temporary, Ad-hoc), submit No – objection Certificate (NOC) duly signed by competent authority, in the format enclosed here as Annexure A.
5. Your payable fee details are as given below:

| Fee structure of Ph. D. Program |   |                   |
|---------------------------------|---|-------------------|
| S. No.                          | Particulars   | Fee Rs.           |
| 1.                              | Fee Part – 1 (to be paid before 18 <sup>th</sup> August 2023)   | 80,000/-          |
| 2.                              | Fee Part – 2 (to be paid before 15 <sup>th</sup> December 2023) | 80,000/-          |
| 3.                              | Fee Part – 3 (to be paid before 15 <sup>th</sup> May 2024)      | 80,000/-          |
| 4.                              | Fee Part – 4 (to be paid before 15 <sup>th</sup> October 2024)  | 60,000/-          |
| 5.                              | Fee Part – 5 (to be paid before 15 <sup>th</sup> March 2025)    | 50,000/-          |
| 6.                              | Fee Part – 6 (to be paid before 15 <sup>th</sup> August 2025)   | 50,000/-          |
| <b>TOTAL</b>                    |   | <b>4,00,000/-</b> |

*Note: A candidate who submits thesis after 6th Semester (full time) and 8th Semester (Part time), he / she will have to pay additional fee of Rs. 50,000/- per semester till submission of thesis.*

6. The date of Pre-Ph.D. course work will be intimated to you in due course of time.
7. In case the above fee is not deposited by the due date, this offer of admission will automatically get withdrawn, without any further communication.
8. **For Online Payment** – You can visit University Website [www.kalingauniversity.ac.in](http://www.kalingauniversity.ac.in) and Click on Online Payment Button and conveniently pay through **Net Banking/ Debit/ Credit Card**.  
For payment through UPI please scan the image below:



For NEFT/RTGS/IMPS Bank Details are as under:

| Details        | Bank 1                                | Bank 2                                |
|----------------|---------------------------------------|---------------------------------------|
| Name of Bank   | Punjab National Bank                  | HDFC Bank                             |
| Account name   | Kalinga University                    | Kalinga University                    |
| Branch         | Naya Raipur, Chhattisgarh,<br>(India) | Naya Raipur, Chhattisgarh,<br>(India) |
| Account Number | 17441131000055                        | 50100310127094                        |
| IFSC Code      | PUNB0174410                           | HDFC0000152                           |
| MICR Code      | 492024036                             | 492240014                             |
| Swift Code     | PUNBINBBRPM                           | HDFCINBBXXX                           |

Please feel free to contact the undersigned for any query/help/assistance.

Regards,

Assistant Registrar – Admissions  
Kalinga University  
Mob: 9303097044  
[admissions@kalingauniversity.ac.in](mailto:admissions@kalingauniversity.ac.in)



Revised

## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

\*\*\*

Examination and Evaluation Department  
(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1865

Dated : 07-11-2022

To .

Vaibhaw Ramesh Rao Doifode  
120, Ayurvedic Layout Raghujinagar, Nagpur

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101244116

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 16/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRICAL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- DESIGN AND ANALYSIS OF SOLAR POWERED PUMPED STORAGE HYDRO POWER PLANT

Supervisor :- Dr. Mrs. S.P. Adhau

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 16/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a years for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research.
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022.

c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.

d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.

e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.

f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.

g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.

h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.

i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. Mrs. S.P. Adhau (Supervisor)
- 2) Name of Co-supervisor :
- 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
- 4) Address of Place of Research :



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

\*\*\*

Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1774

Dated : 14-06-2022

To ,

**Xma Rahul Pote**

Xma R.Pote,W/O Rahul Pote,Plot no. 14, Flat no. 102 , Everest Ganga  
Apt Rajendra Nagar Hingna road Nagpur,Maharashtra -440036

Subject : - Registration for Ph.D Degree Full Time

Application Number : PHDRG202101365116

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 16/03/2022  
has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRICAL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Modified Title :- Performance improvement with economic operation of  
grid connected solar PV system

Supervisor :- DR.S.P.ADHAU

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 16/03/2022



On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : DR.S.P.ADHANU **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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\*\*\*

**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1552

Dated : 02-06-2022

To ,

**Jyoti Marotrao Kumbhare**

JUNI MANGALWARI JAISAO WADI NEAR TELEPHONE EXCHANGE  
SQUARE, C. A. ROAD NAGPUR

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100453116

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 16/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRICAL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Development of Off Board V2V  
Charger for Electric Vehicle

Supervisor :- Dr. S. G. KADWANE

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 16/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
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- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
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- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. S. G. KADWANE **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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\*\*\*

Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1554

Dated : 02-06-2022

To ,

**Pranay Sadashiv Shete**

P. S. Shete, Plot No. 29, Kale Layout, Behind Mahajan Complex, Near  
Gajanan Maharaj Mandir, Godhani Road, Zingabai Takli- 440030

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100579116

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 16/03/2022  
has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRICAL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- INVESTIGATIONS, AND ANALYSIS OF POWER-SHARING, AND  
EFFECTIVE CONTROL OF ENERGY STORAGE DEVICES IN DC  
MOCROGRID

Supervisor :- Dr. R. M. MOHARIL

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 16/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

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- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
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- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
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- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
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- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
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- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. R. M. MOHARIL **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
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## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1551

Dated : 02-06-2022

To ,

**Bharat Shriram Sudame**

PLOT NO.42, VAISHALI NAGAR, NEAR NIT OFFICE, NAGPUR

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100449116

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 16/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRICAL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Modified Title :-Enhancement of Dynamic Performance of DC Link Capacitor Voltage in distributed generators with the application of sliding mode control

Supervisor :- Dr S.G.Kadwane

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 16/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr S.G.Kadwane **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

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**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1560

Dated : 02-06-2022

To ,

**Trupti Deoram Tembhekar**

B-203,IIND FLOOR,PIONEER WOODS PHASE - II, NEAR YCCE GATE  
WANADONGRI, HINGNA ROAD, NAGPUR-441110 MAHARASHTRA  
STATE INDIA.

Subject : - Registration for Ph.D Degree Full Time

Application Number : PHDRG202102095116

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 16/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRICAL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Modified Title :- IMPLEMENTATION AND Performance Important OF Loded DISTRIBUTION ENERGY System

Supervisor :- Dr. Sarala Praful Adhau

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 16/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. Sarala Praful Adhau **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)

Examination Bhawan, Laxminarayan Institute of Technology Premises, Rashtrasant Tukadoji  
Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/ Ph.D cELL/rrc./May.-2019/ 430

Dated : 22-05-2019

To ,

**AKSHAY DHANRAJ KADU**

10 RASHTRASANT NAGAR ZINGABAI  
TAKLI GODHANI ROAD NAGPUR

9834021401

Subject : - Registration for Ph.D Degree Part Time

Sir/Madam ,

This is to inform you that the Research and Recognition Committee meeting held on **22-05-2019** has accepted your application for Registration for Ph.D. Degree in the subject of **ELECTRICAL ENGINEERING** under the faculty of **Faculty of Science & Technology** The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research :- **IMPEDANCE SOURCE INVERTER-COMPARATIVE ANALYSIS AND APPLICATION IN ELECTRIC VEHICLE**

Supervisor :- **Dr. SANJAY B BODKHE**

Place of Research :- **SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT**

Date Of Registration :- **22-05-2019 00:00:00**

Specific Suggestion made  
by RRC:-

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4th February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 23/2018** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a years for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) After receipt of this registration letter undertaking must be submitted as per clause 4 and 5 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research. (**Proforma enclosed**)
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of information and document submitted by him/her. if



it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.

10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,
- c) **The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.**
- d) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- f) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- g) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
Ph.D. Cell  
Rashtrasant Tukadoji  
Maharaj

Copy forwarded to :-

2) The principal /director/Head,(Place of Research)

SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT

The Head ,Place of Research,After the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the direction No.23/2018.

**If fails to submit three progress report consecutively initiate the process of cancellation ohPH.D Registration.**

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**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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**Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)**

**Examination Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

No. RTMNU/Ph.D. Cell/RRC./ Oct.-2018/1037

Dated : 29/12/2018

To

**Mr. Atul Shrikrishna Lilhare**  
61, Udaynagar, New Subhedar  
Nagpur-440024

Subject :- Registration for Ph.D. Degree (~~Full-time~~ / Part time)

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **26/10/2018** has accepted your application for Registration for Ph.D. Degree in the subject of **Electrical Engineering** under the faculty of **Science & Technology**. The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research : **Modified Title :- Design and Development of energy efficient smart Inverter drive for Solar Water Pumping System**

Supervisor : **Dr. S.G. Kadawane**

Place of Research : **Yeshwantrao Chavan College of Engineering, Nagpur**

Date of Registration : **26/10/2018**

Specific Suggestion made :  
by RRC

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4<sup>th</sup> February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 37/2017** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10<sup>th</sup> March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) After receipt of this registration letter undertaking must be submitted as per clause 5 and 6 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research. (**Proforma enclosed**)
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,
- c) The course work shall be treated as pre-requisite for Ph.D. programme.

- d) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- f) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- g) This letter is subject to correction, if any.

Yours faithfully,

Deputy Registrar  
(Post Exam. & Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

Copy forwarded to :-

- 1) Dr. S.G. Kadwane, Asso. Professor, Yeshwantrao Chavan College of Engineering, Nagpur (Supervisor).
  - 2) The Principal, Yeshwantrao Chavan College of Engineering, Nagpur  
The Head, Place of Research, after the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the Direction No. 37/2017.
-



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

“(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017).)”

**Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)**

**Examination Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

No. RTMNU/Ph.D. Cell/RRC./ Oct.-2018/ 1019

Dated : 29/12/2018

To

**Mrs. Nivedita Swapnil Padole**

16, Ghate Layout, Hudkeshwar Road,  
behind Modhekar Hospital  
Nagpur-440034

Subject :- Registration for Ph.D. Degree (~~Full time~~/ **Part time**)

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **26/10/2018** has accepted your application for Registration for Ph.D. Degree in the subject of **Electrical Engineering** under the faculty of **Science & Technology**. The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research : **Modified Title :- Impact of High Renewable Energy Penetration in L,V, Distribution System: An Investigation, Analysis and Mitigation**

Supervisor : **Dr. R.M. Moharil**

Place of Research : **Yeshwantrao Chavan College of Engineering, Nagpur**

Date of Registration : **26/10/2018**

Specific Suggestion made :  
by RRC

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4<sup>th</sup> February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 37/2017** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10<sup>th</sup> March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) After receipt of this registration letter undertaking must be submitted as per clause 5 and 6 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research. **(Proforma enclosed)**
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,
- c) The course work shall be treated as pre-requisite for Ph.D. programme.

- d) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- f) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- g) This letter is subject to correction, if any.

Yours faithfully,

Deputy Registrar  
(Post Exam. & Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

Copy forwarded to :-

- 1) Dr. R.M. Moharil, Professor, Yeshwantrao Chavan College of Engineering, Nagpur (Supervisor).
- 2) The Principal, Yeshwantrao Chavan College of Engineering, Nagpur

The Head, Place of Research, after the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the Direction No. 37/2017.

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## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

\*\*\*

**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1555

Dated : 02-06-2022

To ,

**Piyush Shrikrishna Patil**

Piyush S. Patil,  
New Itwari Road.  
Gandhi Putla  
Nagpur

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100957116

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 16/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**ELECTRICAL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Modified Title :- Novels methods to solve protection issues pertaining to solar P.V. Grid connected system

Supervisor :- Dr. R. M. Moharil

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 16/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. R. M. Moharil **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-

Ref. No.: KU/PHD/ENT2022/EC/0054

Naya Raipur, Dated: 22-08-2022

Reference: KU/ Ph.D./Entrance Examination/2022

**Subject: Offer Letter for Provisional Admission in the Ph.D. Program (Electrical Engineering).**

Dear **Ms./Mr. Nisha Milind Shirao,**

Based on your application, Entrance Examination and subsequent interview, we are pleased to inform you that you are eligible for the Provisional Admission in the **Ph. D. Program (Electrical Engineering)** Session 2022 – 23. Subject to the completion of the following:

1. Duly fill the online Admission Form
2. Your updated resume
3. Attach all your academic documents and Migration Certificate in original (within 90 days from the date of admission).
4. In case you are employed (Permanent, Temporary, Ad-hoc), submit No – objection Certificate (NOC) duly signed by competent authority, in the format enclosed here as Annexure A.
5. Your payable fee details are as given below:

| Fee structure of Ph. D. Program |   |                   |
|---------------------------------|---|-------------------|
| S. No.                          | Particulars   | Fee Rs.           |
| 1.                              | Fee Part – 1 (to be paid before 31 <sup>th</sup> August 2022)     | 80,000/-          |
| 2.                              | Fee Part – 2 (to be paid before 15 <sup>th</sup> February 2023)   | 80,000/-          |
| 3.                              | Fee Part – 3 (to be paid before 15 <sup>th</sup> August 2023)     | 80,000/-          |
| 4.                              | Fee Part – 4 (to be paid before 15 <sup>th</sup> February 2024) * | 70,000/-          |
| 5.                              | Examination Fee to be paid before 15 <sup>th</sup> August 2024    | 40,000/-          |
| <b>TOTAL</b>                    |   | <b>3,50,000/-</b> |

*Note: A candidate who submits thesis after two years, he / she will have to pay late fee of Rs. 25,000/- per semester till submission of thesis.*

6. The date of Pre-Ph.D. course work will be intimated to you in due course of time.
7. In case the above fee is not deposited by the due date, this offer of admission will automatically get withdrawn, without any further communication.
8. **For Online Payment** – You can visit University Website [www.kalingauniversity.ac.in](http://www.kalingauniversity.ac.in) and Click on Online Payment Button and conveniently pay through **Net Banking/ Debit/ Credit Card.**

For payment through UPI please scan the image below:



For NEFT/RTGS/IMPS Bank Details are as under:

| Details               | Bank 1                                | Bank 2                                |
|-----------------------|---------------------------------------|---------------------------------------|
| <b>Name of Bank</b>   | Punjab National Bank                  | HDFC Bank                             |
| <b>Account name</b>   | Kalinga University                    | Kalinga University                    |
| <b>Branch</b>         | Naya Raipur, Chhattisgarh,<br>(India) | Naya Raipur, Chhattisgarh,<br>(India) |
| <b>Account Number</b> | 17441131000055                        | 50100310127094                        |
| <b>IFSC Code</b>      | PUNB0174410                           | HDFC0000152                           |
| <b>MICR Code</b>      | 492024036                             | 492240014                             |
| <b>Swift Code</b>     | PUNBINBBRPM                           | HDFCINBBXXX                           |

Please feel free to contact the undersigned for any query/help/assistance.

**Regards,**

Deputy Registrar – Admissions  
Kalinga University  
Mob: 9303097044  
[admissions@kalingauniversity.ac.in](mailto:admissions@kalingauniversity.ac.in)



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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**Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)**

**Examination Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

No. RTMNU/Ph.D. Cell/RRC./ Oct.-2018/ 1032

Dated : 29 /12/2018

To

Mr. **Nikhil Shrikant Mangrulkar**  
**29, Adivasi Society, Manish Nagar,**  
Nagpur-440037

Subject :- Registration for Ph.D. Degree (~~Full time~~/ **Part time**)

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **05/12/2018** has accepted your application for Registration for Ph.D. Degree in the subject of **Computer Science & Technology** under the faculty of **Science & Technology**. The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research : **A Novels Parser for Parsing Expression Grammar**  
Supervisor : **Dr. Kavita R. Singh**  
Place of Research : **Yeshwantrao Chavan College of Engineering, Nagpur**  
Date of Registration : **05/12/2018**  
Specific Suggestion made :  
by RRC

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4<sup>th</sup> February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

“(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017).)”

**Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)**

**Examination Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

No. RTMNU/Ph.D. Cell/RRC./ Oct.-2018/ 1031

Dated : 29 /12/2018

To

**Mr. Praful Vasant Rao Barekar**

83, Flat No.101, Guru Ganesh Apt. New Amar Nagar,  
Nagpur-440024

Subject :- Registration for Ph.D. Degree (~~Full-time~~/ **Part time**)

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **05/12/2018** has accepted your application for Registration for Ph.D. Degree in the subject of **Computer Science & Technology** under the faculty of **Science & Technology**. The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research : **Object Detection and Tracking Approach for Video Using Convolutional Neural Network**

Supervisor : **Dr. Kavita R. Singh**

Place of Research : **Yeshwantrao Chavan College of Engineering, Nagpur**

Date of Registration : **05/12/2018**

Specific Suggestion made :  
by RRC

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4<sup>th</sup> February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 37/2017** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10<sup>th</sup> March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) After receipt of this registration letter undertaking must be submitted as per clause 5 and 6 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research. **(Proforma enclosed)**
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,
- c) The course work shall be treated as pre-requisite for Ph.D. programme.



- d) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- f) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- g) This letter is subject to correction, if any.

Yours faithfully,

Deputy Registrar  
(Post Exam. & Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

Copy forwarded to :-

- 1) Dr. Kavita R. Singh Professor, Yeshwantrao Chavan College of Engineering, Nagpur (Supervisor).
  - 2) The Principal, Yeshwantrao Chavan College of Engineering, Nagpur  
The Head, Place of Research, after the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the Direction No. 37/2017.
-



# **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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## **Office of the Director, Board of Examination & Evaluation (Ph.D. Cell)**

Examination Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

No. RTMNU/Ph.D.Cell./RRC/Engg./2017/39

Dated :-01/06/2017

To,

**Mr. Gendlal Manikrao Vaidya,**

6, C/o Mr. G.S. Bharadwaj, Verma Layout,  
**North Ambazari Road, Nagpur – 440 033.**

**Subject:-** Registration for Ph.D. Degree (**Part time**) application,  
dated 13<sup>th</sup> January, 2017.

**Sir/Madam,**

I am to inform you that the Research and Recognition Committee held on 19<sup>th</sup> April, 2017 has **Considered and Approved** your application for Registration of **Part time** Ph.D. Degree in the subject of **Information Tech.** under the faculty of **Science & Tech.** The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research : **“Design and Development of Efficient Framework for Big Data Analytics.”**

Supervisor : **Dr. (Mrs.) Manali Kshirsagar, Professor,** Yeshwantrao Chavan college of Engineering, Wanadongri Hingna Road, Nagpur-441 110.

Place of Research : Yeshwantrao Chavan College of Engineering, Wanadongri Hingna Road, Nagpur.

Date of Registration : **13.1.2017**

Suggestion if any : -----

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

1) Your application has been considered as per the provisions of the Direction No. 1/2016, Direction No. 81/2016 and Direction No. 11/2017. Direction No. 11/2017 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10<sup>th</sup> March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/Bylaws/Ordinances etc. of the Degree awarding University. .

2) Full time Ph.D. Degree program shall be for the minimum duration of three years and part time degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.

3) Date of Registration will be granted from the date of application received by the University.



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017)."

**Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)**

**Examination Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

No. RTMNU/Ph.D. Cell/RRC./2017/ 407

Dated : 30 / 10 / 2017

To

**Ms. Roshmi Sharad Khedgaonkar**  
29, Saraswati Sadan Saibaba Nagar,  
Kharabi Chowk, Nagpur-440034

Subject :- Registration for Ph.D. Degree (Full-time/ Part time) application dated  
18/01/2017

Reference :- 1) Office Letter No. RTMNU/Ph.D Cell/RRC/2017/41', Dt/01/06/2017  
2) Your Letter No. 245, Dated 25/10/2017

Sir/Madam,

I am to inform you that the Research and Recognition Committee in the subject **Information Tech. & Computer Science** under the faculty of **Engineering & Technology** held on **19/04/2017** has Considered and Approved your application for Ph.D. Registration subject to Submission of P.G. Approved Letter of Guide.

Since the said document (s) has/have been submitted by you on 25/10/2017. Hence your Ph.D. Registration in the said subject will be operative with effect from 25/10/2017. The Approved topic, Supervisor, Place of Research and date of Registration are as under.

Topic of Research : **Designing Face Resemblance Technique Using Near Set Theory Under Varying Facial Features**

Supervisor : **Dr. Kavita R. Singh**

Place of Research : **Yeshwantrao Chavan College of Engineering, Wanadongri, Hingna Road, Nagpur.**

Date of Registration : **25/10/2017**

Suggestion if any :

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

1) Your application has been considered as per the provisions of the Direction No. 1/2016, Direction No. 81/2016 and Direction No. 11/2017. Direction No. 11/2017 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10<sup>th</sup> March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.

2) Full time Ph.D. Degree program shall be for the minimum duration of three years and part time degree program shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.

3) Date of Registration will be granted from the date of application received by the University.



# KALINGA UNIVERSITY

Ref. No. PHD/CS/F16/2020/60

Date: 30.04.2022

## RDC-ORDER

In pursuance of the University Ordinance No. 48 (4) & UGC (Minimum Standard and Procedure for award of M.Phil./Ph.D. degree) Regulation 2016 the decision taken by Research Degree Committee of **Computer Science and Engineering** in its meeting held on 08.04.2022, the registration for Ph.D. degree is approved as under

Name : **Thombre Supriya Suresh**  
Father's Name : Suresh Thombre  
Mother's Name : Smita  
Enrollment No. : 2101PHD977621  
Address : C/o S. J. Meshram, Plot No. 44, Awale Nagar, Sim Takli,  
Jaitala Road, Nagpur, Maharashtra - 440036  
Category : General  
Supervisor : Dr. Sanjay Kumar,  
Department of Computer Science and Engineering,  
Kalinga University, Raipur (C.G.)  
Co- Supervisor (if any) : Dr. Latesh Malik,  
Associate Professor & HOD,  
Department of Computer Science and Engineering,  
Govt. College of Engineering, Nagpur  
Date of Registration : 08.04.2022  
Title of Ph.D. Registration : "Encompassing Effects of Multi Organ Functioning for Post  
Covid-19 Health Anomalies Using Deep Transfer Learning"

### Note:

- The supervisor/co-supervisor will ensure submission of six monthly progress report of the candidate
- In accordance with the (UGC Minimum Standard and Procedure for award of M.Phil./Ph.D. degree) Regulation 2016, Para 4.2 Ph.D. Programme shall be for a minimum duration of three years including course work.
- In case any discrepancy is observed in this order, it must be intimated to this office within 15 days from the issue of order, otherwise it will be assumed that the contents are correct.

*H. D. G.*  
Research Department  
Copy to -



*S. J. Meshram*  
Registrar

- Hon'ble Vice Chancellor-For information
- Respective Supervisor/Co-Supervisor/Research Scholar-For information
- Head, Research Department/Finance section for information

**Campus:**  
Kalinga University, Kotni, Near Mantralaya,  
Naya Raipur - 492 101. Chhattisgarh

Page 202 of 305

**Mob:** +91 9303097043  
**E-mail:** registrar@kalingauniversity.ac.in  
**Website:** www.kalingauniversity.ac.in



## RDC-ORDER

In pursuance of the University Ordinance No. 48 (4) & UGC (Minimum Standard and Procedure for award of M.Phil./Ph.D. degree) Regulation 2016 the decision taken by Research Degree Committee of **Computer Science and Engineering** in its meeting held on 08.04.2022, the registration for Ph.D. degree is approved as under

Name : **Smita Rajesh Kapse**  
Father's Name : Arvind Kawade  
Mother's Name : Kanta  
Enrollment No. : 2101PHD939889  
Address : 43, Manish Layout-2, Sonegaon Road, Near Pannase Last Bus Stop, Nagpur, Maharashtra - 440022  
Category : General  
Supervisor : Dr. Sanjay Kumar,  
Department of Computer Science and Engineering,  
Kalinga University, Raipur (C.G.)  
Co- Supervisor (if any) : Dr. Latesh Malik,  
Associate Professor & HOD,  
Department of Computer Science and Engineering,  
Govt. College of Engineering, Nagpur  
Date of Registration : 08.04.2022  
Title of Ph.D. Registration : Modelling of A Highly Secure Attribute- Based Privacy System Via Adaptive Machine Learning Based Blockchains

### Note:

- The supervisor/co-supervisor will ensure submission of six monthly progress report of the candidate
- In accordance with the (UGC Minimum Standard and Procedure for award of M.Phil./Ph.D. degree) Regulation 2016, Para 4.2 Ph.D. Programme shall be for a minimum duration of three years including course work.
- In case any discrepancy is observed in this order, it must be intimated to this office within 15 days from the issue of order, otherwise it will be assumed that the contents are correct.

Research Department

Copy to -

- Hon'ble Vice Chancellor-For Information
- Respective Supervisor/Co-Supervisor/Research Scholar-For information
- Head, Research Department/Finance section for information

Campus:

Kalinga University, Kotni, Near Mantralaya,  
Naya Raipur - 492 101. Chhattisgarh

Mob: +91 9303097043

E-mail: registrar@kalingauniversity.ac.in

Website: www.kalingauniversity.ac.in



Registrar



No: GHRUA/R&D Cell/Ph.D./RRC/2021-22/ COMPUTER 005

Date: 01st April 2022

To: Sanjay Pandurang Pande

It is to inform you that the Research and Recognition Committee held on 15/03/2022 has accepted your application for Registration for Ph.D. Degree in the discipline of Computer Science & Engineering under the faculty of Science & Technology.

The approved topic, Supervisor, Place of Research and Date of Registration are as under:

|                      |    |   |
|----------------------|----|---|
| Topic of Research    | :  | "NOVEL DEEP LEARNING BASED SCENE CLASSIFICATION, LOCALIZATION AND MULTIPLE OBJECT DETECTION FOR SELF-DRIVING CARS." |
| Supervisor           | :  | Dr. Sarika Khandelwal, School of Engineering & Technology, GHRU Amravati  |
| Place of Research    | :  | Department of Computer Science & Engineering, GHRU Amravati   |
| Date of Registration | :  | w.e.f. 1 <sup>st</sup> June 2021  |
| Suggestion if any    | :- |   |

In addition to above, the candidate shall follow the instructions as mentioned below:

|    |  |                                       |                                      |
|----|--|---------------------------------------|--------------------------------------|
| 01 | You are informed to submit six months progress report on following dates:  |                                       |                                      |
|    | 1st Progress report – 1st December 21  | 3rd Progress report – 1st December 22 | 5th Progress report -1st December 23 |
|    | 2nd Progress report – 1st June 22  | 4th Progress report – 1st June 23     | 6th Progress report – 1st June 24    |
|    | <b>Note:</b> you shall submit to the Controller of Examinations through the Head, Place of Research and the guide the progress report of your research after every six months. If you fail to submit three reports consecutively, your registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research. |                                       |                                      |
| 02 | Minimum two research publications in Science Citation Index (SCI) journal / Institute of Scientific Information (ISI) indexed journals / Scopus indexed journal / web of science indexed journal. The 'final accepted for publication' research paper may also be considered.  |                                       |                                      |
| 03 | It is clarified that if the paper is co-authored by more than one research scholars apart from supervisors, then only one research scholar whose name appears in the first amongst list of scholars would get credit of paper publication for submission of the Thesis.  |                                       |                                      |
| 04 | The regular yearly fees as prescribed by University will have to be paid in time.  |                                       |                                      |
| 05 | You have to submit the Ph.D. Thesis within SIX Years from the date of registration, otherwise; your registration shall stands cancelled as per the provisions of the concerned ordinance(s).   |                                       |                                      |
| 06 | <b>Please note that this registration of Ph.D. is subjected to the verification and truthfulness of all necessary documents at any level at any time during the tenure.</b>  |                                       |                                      |
| 07 | Notwithstanding anything stated in this letter, for any unforeseen issues arising, and not covered by Ordinance 9 of 2018, or in case of any dispute/ ambiguity or in the event of differences of interpretation, the decision of the Vice-Chancellor shall be final.  |                                       |                                      |
|    | This letter is subject to correction, if any.  |                                       |                                      |

Registrar

G. H. Raison University  
AMRAVATI.

Mr. Snehil G. Jaiswal  
Officiating Registrar  
G H Raison University, Amravati

Copy to:

1. Dr. Sarika Khandelwal, Supervisor
2. Office of Controller of Examination, GHRUA
3. Dean, Research & Development, GHRUA



Address : G H Raison Nagar, Anjangaon Bari Road,  
Amravati - 444701 (MH)

Tel. : +91-0721-2385429 / 32 / 35

Web : www.ghru.edu.in | Email : info@ghru.edu.in

Corporate Office : 345, Shradha House, Kingsway, Nagpur- 440001 (MH)

Tel. : +91-712-6617181/82



Ref: VIT-BP/Research Admissions/2018/December/6

Date: 17.01.2019

**Provisional Admission Letter for Research Programmes – December 2018 Session**

Dear Candidate,

We are happy to inform that you have been provisionally selected for admission to **Ph.D Degree (External Part Time)**, in the **School of Computer Science and Engineering, Bhopal Campus**, subject to fulfilling the following requirements.

(i) You are required to pay a sum of ₹ 40,900 /- towards tuition fees by Demand Draft drawn in favour of "VIT Bhopal", payable at Bhopal, the fee details are given below:

| FEES DETAILS   |                             |
|--|-----------------------------|
| Tuition fees:  | ₹40,000 /- per annum        |
| Registration fees:   | ₹ 900 /- (one time payment) |
| <b>Total:</b>  | <b>₹40,900 /-</b>           |
| <b>Thesis/ Dissertation Fee - ₹ 10000/- (To be paid at the time of Submission of Thesis)</b> |                             |

The following original documents to be submitted at the time of payment of fee as details given below

- All the original degree certificate of qualifying examination passed for Internal Full-time Candidates (IPT / EPT Candidates, are requested to submit the photocopies of the mark sheet and degree of the qualifying examination passed and also Original Transfer Certificate/Migration).
- Transfer certificate / Migration certificate with proof of date of birth (Compulsory)/GATE /JRF-UGC
- One set of photocopies for all the academic certificates including proof for date of birth
- Two passport size colour photograph (recently taken).
- NO OBJECTION CERTIFICATE [For External Part Time only - Compulsory]
- Agreement - [For Internal Part Time only - Compulsory]. Format available at Admissions Office.
- Student Profile to be filled in online in www.vitbhopal.ac.in and hardcopy with photograph to be submitted in Admissions office.
  - You should bring all original certificates for verification. **Admission will be confirmed subject to fulfillment of the eligibility criteria as mentioned in the brochure.**
  - The fees once paid will not be refunded under any circumstances.
  - No extension of time will be given for payment of Tuition Fee.
  - All the documents and necessary fees to be submitted at Admission Office, VIT Bhopal.

(ii) After payment of tuition fee, you are requested to report Dean of the School / Centre concerned at VIT Bhopal for identification of areas of research and guide immediately.

To

**Mr.ROSHAN SURESHRAO BHANUSE (Reg.No:18PHD10017)**  
111,SAJAY GANDHI NAGAR, MHALGI NAGAR POST,  
NAGPUR, MAHARASHTRA-440034.

Kotrikalan, Bhopal - Indore Highway, MP - 466114 © 91 - 755 - 2424 555

E-mail : admin@vitbhopal.ac.in

www.vitbhopal.ac.in



Registrar



**Provisional Admission Letter for Research Programmes – December 2018 Session**

Dear Candidate,

We are happy to inform that you have been provisionally selected for admission to **Ph.D Degree (External Part Time)**, in the **School of Computer Science and Engineering, Bhopal Campus**, subject to fulfilling the following requirements.

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|--|-----------------------------|
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| Registration fees:   | ₹ 900 /- (one time payment) |
| Total:   | ₹ 40,900 /-                 |
| Thesis/ Dissertation Fee - ₹ 10000/- (To be paid at the time of Submission of Thesis). |                             |

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- All the original degree certificate of qualifying examination passed for Internal Full-time Candidates (IPT / EPT Candidates, are requested to submit the photocopies of the mark sheet and degree of the qualifying examination passed and also Original Transfer Certificate/Migration).
- Transfer certificate / Migration certificate with proof of date of birth (Compulsory)/GATE /JRF-UGC
- One set of photocopies for all the academic certificates including proof for date of birth
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- All the documents and necessary fees to be submitted at Admission Office, VIT Bhopal.

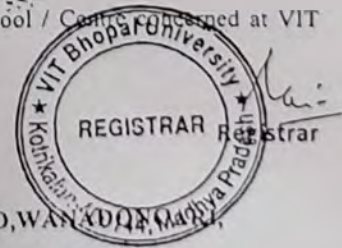
(ii) After payment of tuition fee, you are requested to report Dean of the School / Centre concerned at VIT Bhopal for identification of areas of research and guide immediately.

To  
Mr. GANESH KESHAORAO YENURKAR (Reg.No:18PHD10016)  
FLAT NO 003, PHASE II WING-B, PIONEER WOODS, HINGANA ROAD, WANADOLLA, MADHYA PRADESH,  
NAGPUR, MAHARASHTRA-441110.

Kotrikalan, Bhopal - Indore Highway, MP - 466114 ☎ 91 - 755 - 2424 555

E-mail : admin@vitbhopal.ac.in

www.vitbhopal.ac.in







**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017).)"

**Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)**

**Examination Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

No. RTMNU/Ph.D. Cell/RRC./ Oct.-2018/1014

Dated : 28 /12/2018

To

**Mr. Dhiraj Giridharilal Agrawal**  
Yeshwantrao Chavan College of Engineering,  
Hingna Road, Wana

Subject :- Registration for Ph.D. Degree (~~Full-time~~/ Part time)

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **29/10/2018** has accepted your application for Registration for Ph.D. Degree in the subject of **Civil Engineering** under the faculty of **Science & Technology**. The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research : **Modification Title :- Design & Investigation of previous concrete using Crumbed Rubber**

Supervisor : **Dr. U.P. Waghe**

Place of Research : **Yeshwantraob Chavan College of Engineering, Nagpur**

Date of Registration : **29/10/2018**

Specific Suggestion made :  
by RRC

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4<sup>th</sup> February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 37/2017** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10<sup>th</sup> March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) After receipt of this registration letter undertaking must be submitted as per clause 5 and 6 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research. (**Proforma enclosed**)
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,
- c) The course work shall be treated as pre-requisite for Ph.D. programme.
- d) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- f) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- g) This letter is subject to correction, if any.

Yours faithfully,

Deputy Registrar  
(Post Exam. & Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

Copy forwarded to :-

- 1) Dr. U.P. Waghe, Professor, Deptt. of Civil Engg. Yeshwantrao Chavan College of Engineering, Nagpur (Supervisor).
- 2) The Head,/ Principal, Yeshwantrao Chavan College of Engineering, Nagpur. (Place of Research)

The Head, Place of Research, after the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the Direction No. 37/2017.

---



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

“(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017).)”

**Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)**

**Examination Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

No. RTMNU/Ph.D. Cell/RRC./ Oct.-2018/1008

Dated : 28/12/2018

To

**Mr. Rajesh Madhukar Bhagat**  
House No.2, Krishna Vihar Isasani Near CRPF,  
Hingna, Nagpur-440019

Subject :- Registration for Ph.D. Degree (**Full-time/ Part time**)

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **29/10/2018** has accepted your application for Registration for Ph.D. Degree in the subject of **Civil Engineering** under the faculty of **Science & Technology**. The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research : **Development of Composite Adsorbent for Removal of Heavy Metal from Industrial Wastewater**

Supervisor : **Dr. S.R. Khandeshwar**

Place of Research : **Yeshwantrao Chavan College of Engineering, Nagpur**

Date of Registration : **29/10/2018**

Specific Suggestion made :  
by RRC

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4<sup>th</sup> February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 37/2017** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10<sup>th</sup> March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
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- 6) After receipt of this registration letter undertaking must be submitted as per clause 5 and 6 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research. (**Proforma enclosed**)
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students.
- c) The course work shall be treated as pre-requisite for Ph.D. programme.

- d) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
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- g) This letter is subject to correction, if any.

Yours faithfully,

Deputy Registrar  
(Post Exam. & Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

Copy forwarded to :-

- 1) Dr.S.R. Khandeshwar, Deptt. of Civil Engg. Yeshwantrao Chavan College of Engineering, Nagpur (Supervisor).
- 2) The Head,/ Principal, Yeshwantrao Chavan College of Engineering, Nagpur (Place of Research)

The Head, Place of Research, after the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the Direction No. 37/2017.

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**L**OVELY  
**P**ROFESSIONAL  
**U**NIVERSITY

*Transforming Education Transforming India*

## Center for Research Degree Programmes

*LPU/CRDP/EC/270120/0142*

Dated: Monday 27, Jan 2020

**Dhengare Sagar Wasudeorao**

Registration Number: 41800878

Programme Name: Ph.D. (Civil Engineering) [Part Time]

**Subject: Letter of Candidacy for Ph.D.**

Dear Candidate,

We are very pleased to inform you that the Department Doctoral Board has approved your candidacy for the Ph.D. Programme on September 21, 2019 by accepting your research proposal entitled: "Performance Evaluation of Quaternary Concrete By Utilizing Sugarcane Bagasse Ash, Copper Slag and Hatchery Waste for Sustainable Construction" under the supervision of Dr Jaskiran Sobti.

As a Ph.D. candidate you are required to abide by the conditions, rules and regulations laid down for Ph.D. Programme of the University, and amendments, if any, made from time to time.

We wish you the very best!!

In case you have any query related to your programme, please contact Centre of Research Degree Programmes.

*Rau*

HOS

Centre for Research Degree Programmes



LOVELY  
PROFESSIONAL  
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## Division of Examination

Recognized by UGC under Section 2(f) of the  
University Grants Commission Act, 1956 by  
the Notification No. F.9-10/ (CPP-1)

Member of Association of  
Indian Universities (AIU), New Delhi

Sr. No. 61156

Reference No. LPU/DE/DOR/EC/190424/0001/P1D7-T/18/0042

Code No. CRT003

Date. 24-Apr-19

### BONAFIDE CERTIFICATE

Name of the student Mr. Dhengare Sagar Wasudeo  
Son of Mr. Wasudeo Atmaram Dhengare  
Registration No. 41800878  
Name of the programme P1D7-T::Doctor of Philosophy (Civil Engineering)  
Batch 2018  
Lovely Faculty of Technology & Sciences

This is to certify that the above said student is a bonafide student of this University.

  
Assistant Registrar (Records)

Disclaimer: This certificate is issued on the basis of information available in the office of records on the date of its issue and the University reserves the right to update or change any information contained herein without notice further the University expressly disclaims all obligations to confirm the accuracy of any of the particulars in this certificate based upon information submitted by the candidate





LOVELY  
PROFESSIONAL  
UNIVERSITY



### Provisional Academic Transcript

Student Name : Dhengare Sagar Wasudeorao  
Registration No. : 41800878  
Father's Name : Mr. Wasudeo Atmaram Dhengare  
Mother's Name : Ms. Rekha Dhengare

Programme : P1D7-T :: Doctor of Philosophy (Civil Engineering)  
Mode : Parttime Date of initial registration : August,2019

| Term : I |   | TGPA : 9.38 | Equivalent percentage : 93.80 % |  |
|----------|---|-------------|---------------------------------|--|
| S.No.    | Course                                      | Credit      | Grade                           |  |
| 1        | GEN740 :: FOUNDATIONS OF RESEARCH           | 3.00        | O                               |  |
| 2        | GEN741 :: RESEARCH METHODOLOGY              | 4.00        | A+                              |  |
| 3        | GEN742 :: RESEARCH WRITING AND PRESENTATION | 1.00        | A+                              |  |

This is a provisional transcript and is valid till a regular transcript is issued  
Student yet not completed the programme.

CGPA : 9.38  
Equivalent percentage : 93.8 %

Associate Dean  
Division of Examination  
Lovely Professional University  
Phagwara (Punjab)

This is system generated certificate does not required any seal

Date of Printing: 21 Sep 2019  
Place : Phagwara (Punjab)

REF0109 Page 215 of 305

Page 1 of 1

(Officer Incharge)  
Checked & Verified by



**LOVELY  
PROFESSIONAL  
UNIVERSITY**

*Transforming Education Transforming India*

## Division of Examination

Recognized by UGC under Section 2(f) of the  
University Grants Commission Act, 1956 by  
the Notification No. F.9-10/ (CPP-1)

Member of Association of  
Indian Universities (AIU), New Delhi

Ref No.LPU/DE/DOR/EC/190424/014/P1D7-T/18/0042

Date : 24 Apr 2019

### TO WHOM SO EVER IT MAY CONCERN

Sr. No.3303

Code No. CRT017

|  |  |
|--|--|
| Name of the student Mr.                            | <u>Dhengare Sagar Wasudeorao</u>             |
| Son of Sh.   | <u>Wasudeo Atmaram Dhengare</u>              |
| Registration No.                                   | <u>41800878</u>                              |
| Name of the programme                              | <u>Ph.D. (Civil Engineering) [Part Time]</u> |
| Batch  | <u>2018</u>                                  |
| <u>Lovely Faculty of Technology &amp; Sciences</u> |  |

This is to certify that the above said student is a bonafide student of this University and he was admitted on the basis of marks obtained in Post Graduation subject to fulfillment of other conditions as prescribed by the University.

  
Assistant Registrar (Records)

**Disclaimer:** This certificate is issued on the basis of information available in the office of records on the date of its issue and the University reserves the right to update/change any information contained herein without notice further the University expressly disclaims all obligations to confirm the accuracy of any of the particulars in this certificate based upon information submitted by the candidate.



Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

NAAC Accredited with 'A' GradePh:

07104-242919, 242623, 329249, 329250 Website: [www.ycce.edu](http://www.ycce.edu), E-mail: [principal@ycce.sdu](mailto:principal@ycce.sdu), [enfo@ycce.edu](mailto:enfo@ycce.edu)

Ref : YCCE /Adm./2018-19/ 242

Dt. 17.01.2019

## No Objection Certificate

This is to certify that **Mr. Sagar W. Dhengare** is working in this college as a Assistant Professor in the Department of civil Engineering.

We have no objection for registration for Ph.D. under Lovely Professional University, Phagwara Punjab.

This certificate is issued on his own request.

(Dr U. P. Waghe)

**Principal**  
PRINCIPAL

Yeshwantrao Chavan  
College of Engineering  
Wanadongri, Hingna Road,  
NAGPUR- 441 110





## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)

Examination Bhawan, Laxminarayan Institute of Technology Premises, Rashtrasant Tukadoji  
Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/ Ph.D cELL/rrc./May.-2019/ 271

Dated : 13-05-2019

To ,

**AMRUTA ARUN YADAV**

Yadav Bhawan, 206/B, West High Court  
Road, Shankar nagar square, Dharampeth  
Extension, Nagpur-10

9158188488

Subject : - Registration for Ph.D Degree Part Time

Sir/Madam ,

This is to inform you that the Research and Recognition Committee meeting held on **13-05-2019** has accepted your application for Registration for Ph.D. Degree in the subject of **CIVIL ENGINEERING** under the faculty of **Faculty of Science & Technology** The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research :- **UTILIZATION OF METAKAOLIN AND COPPER SLAG IN CONCRETE FOR SUSTAINABLE INFRASTRUCTURE**

Supervisor :- **Dr.Ajay Ramdas Gajbhiye**

Place of Research :- **Yeshwantrao Chavan College of Engineering Nagpur**

Date Of Registration :- **13-05-2019 00:00:00**

Specific Suggestion made  
by RRC:-

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4th February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

1) Your application has been considered as per the provisions of the **Direction No. 23/2018** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .

2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.

3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.

4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,

5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,

6) After receipt of this registration letter undertaking must be submitted as per clause 4 and 5 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research. (**Proforma enclosed**)

7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.

8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.

9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if

It is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.

10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,
- c) **The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.**
- d) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- f) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- g) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
Ph.D. Cell  
Rashtrasant Tukadoji  
Maharaj

Copy forwarded to :-

1) Dr.Ajay Ramdas Gajbhiye

(Supervisor)

2) The principal /director/Head,(Place of Research)

Yeshwantrao Chavan College of Engineering Nagpur

The Head ,Place of Research,After the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the direction No.23/2018.

**If fails to submit three progress report consecutively initiate the process of cancellation ohPH.D Registration.**

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## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)

Examination Bhawan, Laxminarayan Institute of Technology Premises, Rashtrasant Tukadoji  
Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/ Ph.D cELL/rrc./May.-2019/ 270

Dated : 13-05-2019

To ,

**SANGITA SHIVCHARAN MESHARAM**

c/o Rajkumar S. Pachare Plot. No. 8  
Bhagirathi Park Near Sutgirni Hingna  
441110

9503552702

Subject : - Registration for Ph.D Degree Part Time

Sir/Madam ,

This is to inform you that the Research and Recognition Committee meeting held on **13-05-2019** has accepted your application for Registration for Ph.D. Degree in the subject of **CIVIL ENGINEERING** under the faculty of **Faculty of Science & Technology** The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research :- **Design and Development of Sustainable Building Blocks using Cupola Slag**

Supervisor :- **Dr. S. P. Raut**

Place of Research :- **Yeshwantrao Chavan College of Engineering Nagpur**

Date Of Registration :- **13-05-2019 00:00:00**

Specific Suggestion made  
by RRC:-



On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4th February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

1) Your application has been considered as per the provisions of the **Direction No. 23/2018** issued as per the provisions of the Public Notice issued by the University Grants Commission. No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .

2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.

3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.

4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,

5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,

6) After receipt of this registration letter undertaking must be submitted as per clause 4 and 5 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research. (**Proforma enclosed**)

7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.

8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.

9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if

it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.

10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,
- c) **The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.**
- d) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- f) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- g) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
Ph.D. Cell  
Rashtrasant Tukadoji  
Maharaj

Copy forwarded to :-

1) Dr. S. P. Raut

(Supervisor)

2) The principal /director/Head,(Place of Research)

Yeshwantrao Chavan College of Engineering Nagpur

The Head ,Place of Research,After the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the direction No.23/2018.

**If fails to submit three progress report consecutively initiate the process of cancellation ohPH.D  
Registration.**

---



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)

Examination Bhawan, Laxminarayan Institute of Technology Premises, Rashtrasant Tukadoji  
Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/ Ph.D cELL/rrc./May.-2019/ 269

Dated : 13-05-2019

To,

**MONALI REWASHANKAR WAGH**

Nikhade House, Plot no 57/58, Revati  
Nagar, Near Pandav Polytechnic, Besa  
Road, Nagpur

9764442550

Subject : - Registration for Ph.D Degree Part Time

Sir/Madam ,

This is to inform you that the Research and Recognition Committee meeting held on **13-05-2019** has accepted your application for Registration for Ph.D. Degree in the subject of **CIVIL ENGINEERING** under the faculty of **Faculty of Science & Technology** The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research :- **Parametric Study on physico-mechanical properties of self-compacting concrete blended with bagasse ash, metakaolin and glass fiber**

Supervisor :- **Dr. U.P.Waghe**

Place of Research :- **Yeshwantrao Chavan College of Engineering Nagpur**

Date Of Registration :- **13-05-2019 00:00:00**

Specific Suggestion made  
by RRC:-

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4th February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 23/2018** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) After receipt of this registration letter undertaking must be submitted as per clause 4 and 5 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research. (**Proforma enclosed**)
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if

found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.

(10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,
- c) **The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.**
- d) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- f) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- g) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
Ph.D. Cell  
Rashtrasant Tukadoji  
Maharaj

Copy forwarded to :-

) Dr. U.P.Waghe

(Supervisor)

The principal /director/Head,(Place of Research)

Yeshwantrao Chavan College of Engineering Nagpur

The Head ,Place of Research,After the completion of the given period (one and half years) shall send to a Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the direction No.23/2018.

**If fails to submit three progress report consecutively initiate the process of cancellation of PH.D Registration.**

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## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

**Board of Examination and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/ Ph.D CELL/RRC./2020/R1/ 128

Dated : 07-08-2020

To ,  
**Uday Singh Patil**

**Flat No.203, Elina Classic Apptt. Bh  
Chakrapani College Central Rly,  
Coloy, Onkarnagar, Nagpur-440027**

Subject : - Registration for Ph.D Degree **Part Time Mode**

Sir/Madam ,

This is to inform you that the Research and Recognition Committee meeting held on 24-02-2020 has accepted your application for Registration for Ph.D. Degree in the subject of

**Civil Engineering**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- **Development of Sustainable construction material using textile effluent sludge from Vidarbha Region**

Supervisor :- **Dr. S. P. Raut**

Place of Research :- **Yeshwantrao Chavan College of Engineering Nagpur**

Date Of Registration :- 24-02-2020



On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4th February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 32/2019** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a years for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) After receipt of this registration letter undertaking must be submitted as per clause 4 and 5 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research.
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be

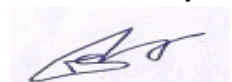
cancelled.

10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,
- c) **The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.**
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- d) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their thesis to the in-Charge, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The In-Charge, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The In-Charge, University Campus Library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
Ph.D. Cell

Copy forwarded to :-

- 1) Dr. S. P. Raut (Supervisor) Civil Engineering Department, Yeshwantrao College of Engineering, Nagpur
- 2) The principal /director/Head,(Place of Research) Yeshwantrao Chavan College of Engineering Nagpur

The Head ,Place of Research,After the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the direction No.32/2019

\* Please inform supervisor email and mobile no to ph.d cell.

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# KALINGA UNIVERSITY

No. KU/Phd /CE-F.05/2018/0232

Dated:24-01-2020

## ORDER

In pursuance of the University Ordinance No. 48 (4) &UGC (Minimum Procedure for award of M.Phil. / Ph.D. Degree) Regulation 2016 the decision taken by Research Degree Committee of **CIVIL ENGINEERING** in its meeting held on 24.12.2019, the registration for Ph.D degree is approved as under

Name :Smt.Hirekhan Sneha Gowardhan  
Father's Name :Shri.Gowardhan Hirekhan  
Mother's Name :Smt. Aruna  
Enrolment No. :92PHD389816  
Address :Plot No 8 New subheddar lay out Thware colony  
Nagpur-440024(M.S)  
Category :SC  
Supervisor :Dr. P S Charpe, Kalinga University,Raipur (CG)  
Co supervisor (if any) :Dr.Zameeruddin. Asso Prof, Civil Engineering Dept,  
MGM'S College of Engineering, Nanded.(M.S)  
Date of Registration :24-12-2019  
Title of Ph. D. Registration : **"Seismic Damage Assessment of Medium-Rise Buildings  
Subjected to Blast Loading Using Performance-Based  
Seismic Assessment Procedures"**

### Note:

- The supervisor/co-supervisor will ensure submission of six monthly progress report of the candidate
- In accordance with the (UGC Minimum standard and Procedure for award of MPhil/Ph.D degree) Regulation 2016, Para 4.2 Ph.D Programme shall be for a minimum duration of three years including course work which started in Sep-2018
- In case any discrepancy is observed in this order, it must be intimated to this office within 15 days from the issue of order, otherwise it will be assumed that the contents are correct.

  
Research Cell

Copy to –

- Hon'ble Vice Chancellor-For information
- Respective Supervisor/Co-Supervisor/Research Scholars-For information
- Head, Research Cell/Finance section for information

  
Registrar

REGISTRAR  
KALINGA UNIVERSITY  
KOTNI, NEAR MANTRALAYA,  
RAIPUR (CHHATTISGARH)

### Campus:

Kalinga University, Kotni, Near Mantralaya,  
Naya Raipur - 492 101. Chhattisgarh India



# KALINGA UNIVERSITY

Ref. No. KU/Pre-Phd CE-F.05/2018/07

Entrance Exam. Roll No. : 18127055

## Ph.D ELIGIBILITY CERTIFICATE

Certified that

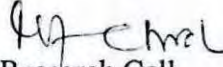
Candidate's Name :Smt.Hirekhan Sneha Gowardhan

Father's/Husband Name :Shri.Gowardhan Hirekhan

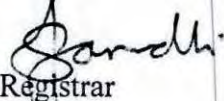
Mother's Name :Smt.Aruna

Has qualified the Pre-Ph.D Entrance Examination 2018 -19 held on 9-9-2018 in the subject **CIVIL ENGINEERING** in pursuance of UGC (Minimum Procedure for award M.Phil./ Ph.D. Degree) 2016.

This Certificate permits the candidate to undertake the Ph.D Programme in the session 2018-21 of the University as per provisions laid down in the Ordinance No. 48 of Kalinga University, Raipur (CG).

  
Research Cell

Raipur, Dated :10.9.2018

  
Registrar

**REGISTRAR**  
**KALINGA UNIVERSITY**  
KOTNI, NEAR MANTRALAYA,  
RAIPUR (CHHATTISGARH)



# KALINGA UNIVERSITY

[Established under Chhattisgarh Private Universities (Establishment and Operations) Act 2005 and U/S 2 (f) of UGC Act 1956.]  
Village-Kotni, Post-Mandir Hasaud, Tehsil - Arang, Naya Raipur, 492101. (C.G.) India

S. No.: 1237202179

Date : 18-07-2019

## Statement of Marks

Name : HIREKHAN SNEHA GOWARDHAN  
Father's Name : GOWARDHAN HIREKHAN  
Mother's Name : ARUNA HIREKHAN  
Course : PRE PhD COURSE WORK

Roll No. : 18127055  
Subject : CIVIL ENGINEERING  
Session : JULY.18-DEC.18

| Subject Code           | Subject Title        | External Marks |      | Internal Marks |      | Total Marks          |      | Result |
|------------------------|----------------------|----------------|------|----------------|------|----------------------|------|--------|
|                        |                      | Max            | Obtd | Max            | Obtd | Max                  | Obtd |        |
| PPCW1                  | Research Methodology | 70             | 46   | 30             | 28   | 100                  | 74   | PASS   |
| PPCW2                  | Computer Application | 70             | 42   | 30             | 26   | 100                  | 68   | PASS   |
| PPCW3-W                | Civil Engineering    | 70             | 47   | 30             | 25   | 100                  | 72   | PASS   |
| Grand Total :          |                      |                |      |                |      | 300                  | 214  |        |
| Grand Total in Words : |                      |                |      |                |      | Two Hundred Fourteen |      |        |

Result : PASS  
Division : FIRST



Prepared by

Verified by

Controller of Examination



# KALINGA UNIVERSITY

Ref. No. KU/Pre-Phd CE-F.05/2018/0118

Roll No. :18127055

Enrolment No.:92PHD389816

## Ph.D COURSE WORK CERTIFICATE

Certified that

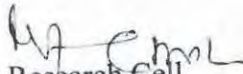
Candidate's Name :Smt.Hirekhan Sneha Gowardhan

Father's/Husband Name :Shri.Gowardhan Hirekhan

Mother's Name :Smt.Aruna

Has completed the course work in the academic session 2018-2019 in the subjects Research Methodology, computer Science **Civil Engineering** and has presented the review of published research in the relevant field as per provision laid down in UGC (Minimum Procedure for award of M.Phil. / Ph.D. Degree) Regulation 2016 and the ordinance 48 of Kalinga University, Raipur.

On successful completion of the course work the statement of marks was awarded to the candidate on 18-7-2019

  
Research Cell

Raipur, Dated: 25-07-2019

  
Registrar

**REGISTRAR**  
**KALINGA UNIVERSITY**  
KOTNI, NEAR MANTRALAYA,  
RAIPUR (CHHATTISGARH)

### Campus:

Kalinga University, Kotni, Near Mantralaya,  
Naya Raipur - 492 101. Chhattisgarh India

**Mob: +91 9303097043**

**E-mail: registrar@kalingauniversity.ac.in**

**Website: www.kalingauniversity.ac.in**



# Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

NAAC Accredited with 'A' Grade Ph.:

07104-242919, 242623, 329249, 329250 Website: [www.ycce.edu](http://www.ycce.edu), E-mail: [principal@ycce.sdu.enfo@ycce.edu](mailto:principal@ycce.sdu.enfo@ycce.edu)

Ref : YCCE /Admin/2019-20/03

Dt. 31.12.2019

## To whomsoever it may concern

This is to certify that **Mrs. Sneha G. Hirekhan** is working in this college as Assistant Professor (UA) in the Department of civil Engineering.

We have no objection for registration for Ph.D. under Kalinga Univeristy, Naya Raipur, Chattisgarh.

This certificate is issued on her own request.

(Dr U. P. Waghe)

Principal

Principal

Yeshwantrao Chavan  
College of Engineering  
Wanadongri Hingna Road  
NAGPUR-441110





No: GHRUA/R&D Cell/Ph.D./RRC/2020-21/CIVIL 002

Date: 01st March 2021

To: Charuta Subhash Waghmare

It is to inform you that the Research and Recognition Committee held on 22/02/2021 has accepted your application for Registration for Ph.D. Degree in the discipline of Civil Engineering under the faculty of Science & Technology.

The approved topic, Supervisor, Place of Research and Date of Registration are as under:

|                      |    |   |
|----------------------|----|---|
| Topic of Research    | :  | <b>"DEVELOPMENT OF SOLAR POWERED ELECTRO-COAGULATION HYBRID SYSTEM COUPLED WITH ADSORPTION PROCESS FOR GREYWATER TREATMENT"</b> |
| Supervisor           | :  | <b>Dr. Siddhartha Pandey, School of Engineering &amp; Technology, GHRU Amravati</b>   |
| Place of Research    | :  | <b>Department of Civil Engineering, GHRU Amravati</b>   |
| Date of Registration | :  | <b>w.e.f 1<sup>st</sup> June 2020</b>   |
| Suggestion if any    | :- |   |

In addition to above, the candidate shall follow the instructions as mentioned below:

|    |  |                                       |                                      |
|----|--|---------------------------------------|--------------------------------------|
| 01 | You are informed to submit six months progress report on following dates:  |                                       |                                      |
|    | 1st Progress report – 1st December 20  | 3rd Progress report – 1st December 21 | 5th Progress report -1st December 22 |
|    | 2nd Progress report – 1st June 21  | 4th Progress report – 1st June 22     | 6th Progress report – 1st June 23    |
|    | <b>Note:</b> you shall submit to the Controller of Examinations through the Head, Place of Research and the guide the progress report of your research after every six months. If you fail to submit three reports consecutively, your registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research. |                                       |                                      |
| 02 | Minimum two research publications in Science Citation Index (SCI) journal / Institute of Scientific Information (ISI) indexed journals / Scopus indexed journal / web of science indexed journal. The 'final accepted for publication' research paper may also be considered.  |                                       |                                      |
| 03 | It is clarified that if the paper is co-authored by more than one research scholars apart from supervisors, then only one research scholar whose name appears in the first amongst list of scholars would get credit of paper publication for submission of the Thesis.  |                                       |                                      |
| 04 | The regular yearly fees as prescribed by University will have to be paid in time.  |                                       |                                      |
| 05 | You have to submit the Ph.D. Thesis within SIX Years from the date of registration, otherwise; your registration shall stands cancelled as per the provisions of the concerned ordinance(s).   |                                       |                                      |
| 06 | <b>Please note that this registration of Ph.D. is subjected to the verification and truthfulness of all necessary documents at any level at any time during the tenure.</b>  |                                       |                                      |
| 07 | Notwithstanding anything stated in this letter, for any unforeseen issues arising, and not covered by Ordinance 9 of 2018, or in case of any dispute/ ambiguity or in the event of differences of interpretation, the decision of the Vice-Chancellor shall be final.  |                                       |                                      |
|    | <b>This letter is subject to correction, if any.</b>   |                                       |                                      |



Registrar  
G. H. Raison University,  
AMRAVATI.

Mr. Snehil G. Jaiswal  
Officiating Registrar  
G H Raison University, Amravati  
Copy to:



1. Dr. Siddhartha Pandey, Supervisor
2. Office of Controller of Examination, GHRUA
3. Dean, Research & Development, GHRUA

Address : G H Raison Nagar, Anjangaon Bari Road,  
Amravati - 444701 (MH)  
Tel. : +91-0721-2385429 / 32 / 35  
Web : www.ghru.edu.in | Email : info@ghru.edu.in  
Corporate Office : 345, Shradha House, Kingsway, Nagpur- 440001 (MH)  
Tel. : +91-712-6617181/82



RAISON GROUP  
a vision beyond



No: GHRUA/R&D Cell/Ph.D./RRC/2020-21/CIVIL 003

Date: 01st March 2021

To: Pawan K. Hinge

It is to inform you that the Research and Recognition Committee held on **22/02/2021** has accepted your application for Registration for Ph.D. Degree in the discipline of **Civil Engineering** under the faculty of **Science & Technology**.

The approved topic, Supervisor, Place of Research and Date of Registration are as under:

|                      |    |  |
|----------------------|----|--|
| Topic of Research    | :  | <b>"EXPERIMENTAL INVESTIGATION ON THE USE OF NEW GENERATION WASTE MATERIAL IN CONCRETE AND MORTAR"</b> |
| Supervisor           | :  | <b>Dr. Tushar G. Shende, School of Engineering &amp; Technology, GHRU Amravati</b>                     |
| Place of Research    | :  | <b>Department of Civil Engineering, GHRU Amravati</b>  |
| Date of Registration | :  | <b>w.e.f 1<sup>st</sup> June 2020</b>  |
| Suggestion if any    | :- |  |

In addition to above, the candidate shall follow the instructions as mentioned below:

|                                       |  |                                       |                                       |                                      |                                   |                                   |                                   |
|---------------------------------------|--|---------------------------------------|---------------------------------------|--------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| 01                                    | You are informed to submit six months progress report on following dates:  |                                       |                                       |                                      |                                   |                                   |                                   |
|                                       | <table border="1"> <tr> <td>1st Progress report – 1st December 20</td> <td>3rd Progress report – 1st December 21</td> <td>5th Progress report -1st December 22</td> </tr> <tr> <td>2nd Progress report – 1st June 21</td> <td>4th Progress report – 1st June 22</td> <td>6th Progress report – 1st June 23</td> </tr> </table>   | 1st Progress report – 1st December 20 | 3rd Progress report – 1st December 21 | 5th Progress report -1st December 22 | 2nd Progress report – 1st June 21 | 4th Progress report – 1st June 22 | 6th Progress report – 1st June 23 |
| 1st Progress report – 1st December 20 | 3rd Progress report – 1st December 21  | 5th Progress report -1st December 22  |                                       |                                      |                                   |                                   |                                   |
| 2nd Progress report – 1st June 21     | 4th Progress report – 1st June 22  | 6th Progress report – 1st June 23     |                                       |                                      |                                   |                                   |                                   |
|                                       | <b>Note:</b> you shall submit to the Controller of Examinations through the Head, Place of Research and the guide the progress report of your research after every six months. If you fail to submit three reports consecutively, your registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research. |                                       |                                       |                                      |                                   |                                   |                                   |
| 02                                    | Minimum two research publications in Science Citation Index (SCI) journal / Institute of Scientific Information (ISI) indexed journals / Scopus indexed journal / web of science indexed journal. The 'final accepted for publication' research paper may also be considered.  |                                       |                                       |                                      |                                   |                                   |                                   |
| 03                                    | It is clarified that if the paper is co-authored by more than one research scholars apart from supervisors, then only one research scholar whose name appears in the first amongst list of scholars would get credit of paper publication for submission of the Thesis.  |                                       |                                       |                                      |                                   |                                   |                                   |
| 04                                    | The regular yearly fees as prescribed by University will have to be paid in time.  |                                       |                                       |                                      |                                   |                                   |                                   |
| 05                                    | You have to submit the Ph.D. Thesis within SIX Years from the date of registration, otherwise; your registration shall stands cancelled as per the provisions of the concerned ordinance(s).   |                                       |                                       |                                      |                                   |                                   |                                   |
| 06                                    | <b>Please note that this registration of Ph.D. is subjected to the verification and truthfulness of all necessary documents at any level at any time during the tenure.</b>  |                                       |                                       |                                      |                                   |                                   |                                   |
| 07                                    | Notwithstanding anything stated in this letter, for any unforeseen issues arising, and not covered by Ordinance 9 of 2018, or in case of any dispute/ ambiguity or in the event of differences of interpretation, the decision of the Vice-Chancellor shall be final.  |                                       |                                       |                                      |                                   |                                   |                                   |
|                                       | <b>This letter is subject to correction, if any.</b>   |                                       |                                       |                                      |                                   |                                   |                                   |

  
Registrar  
G. H. Raisonni University,  
AMRAVATI.

Mr. Snehil G. Jaiswal  
Officiating Registrar  
G H Raisonni University, Amravati  
Copy to:

1. Dr. Tushar G. Shende, Supervisor
2. Office of Controller of Examination, GHRUA
3. Dean, Research & Development, GHRUA



Address : G H Raisonni Nagar, Anjangaon Bari Road,  
Amravati - 444701 (MH)  
Tel. : +91-0721-2385429 / 32 / 35  
Web : www.ghru.edu.in | Email : info@ghru.edu.in  
Corporate Office : 345, Shradha House, Kingsway, Nagpur- 440001 (MH)  
Tel. : +91-712-6617181/82



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

\*\*\*

**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1511

Dated : 01-06-2022

To ,

Atul Sambhuji Kurzekar  
FLAT NO G001 FREEN FIELD SOCIETY 1  
NEAR SUTGIRANI NEAR D MART  
WANADONGARI HINGANA ROAD NAGPUR

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100974114

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 22/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**CIVIL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Modified Title :- Development of Geopolymer Concrete with Fly ash aggregate and demolition waste as ingredients

Supervisor :- Dr. U. P. Waghe

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 22/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. U. P. Waghe **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

\*\*\*

**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1805

Dated : 21-06-2022

To ,

Vivek Dnyandeo Jayale

Plot No 117, Anjangoan Road, near Gajanan Apartment, Hanuman Nagar  
Akot, 444101 Dist Akola, Maharashtra

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101265114

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 23/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**CIVIL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Development of effective prediction techniques for condition assessment of concrete structures

Supervisor :- Dr A.V. Patil

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 23/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.

2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.

3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.

4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.

5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,

6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.

7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.

8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.

9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr A.V. Patil **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-





## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1508

Dated : 01-06-2022

To ,

Pallavi Chakole

PLOT NO. 700 NEW ANAND NAGAR, BINAKI LAYOUT  
NEAR NIKUNJ SCHOOL, B/H DATTA MANDIR  
DR. AMBEDKAR MARG

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101855114

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 22/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**CIVIL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Modified Title :- Development of Modified Media in Rotating Biological Contactor (RBC) for Treatment of Waste Water

Supervisor :- DR.AJAY.RAMDAS.GAJBHIYE

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 22/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : DR.AJAY.RAMDAS.GAJBHIYE **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1503

Dated : 31-05-2022

To ,

Snehal Karunkumar Kamble

PLOT NO. 31, MIRE LAYOUT, BEHINDE DATTA MANDIR, BHANDE  
PLOT SQUARE, NANDANVAN, NAGPUR

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101046114

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 22/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**CIVIL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- DEVELOPMENT AND ANALYSIS OF VALUE ADDED PRODUCTS  
BY USING SEWAGE SLUDGE FOR SUSTAINABILITY

Supervisor :- Dr. AJAY RAMDAS GAJBHIYE

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 22/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. AJAY RAMDAS GAJBHIYE **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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\*\*\*

**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1507

Dated : 01-06-2022

To ,

Sanket Gajanan Kalamkar

F3, SECOND FLOOR, ARTI APPERTMENT, REJENDRA NAGAR,  
BEHIND VASUDEO NAGAR METRO STATION, NAGPUR-440036

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101916114

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 22/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**CIVIL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Modified Title :- Design and Development of Improved Pervious Concrete

Supervisor :- Dr Sanjay P. Raut

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 22/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.

2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.

3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.

4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.

5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,

6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.

7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.

8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.

9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.



- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr Sanjay P. Raut **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

\*\*\*

**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1502

Dated : 31-05-2022

To ,

Yogesh Prabhakar Rao Kherde

House No 9, Plot 32-37, Pioneer Society, Agney Layout, SWALAMBI  
Nagar, Near Khamala

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100450114

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 22/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**CIVIL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Infrastructure Risk Assessment of High Speed Rail Alignments

Supervisor :- Dr. U.P. Waghe

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 22/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.

2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.

3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.

4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.

5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,

6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.

7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.

8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.


9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. U.P. Waghe **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

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**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1505

Dated : 01-06-2022

To ,

Ankush Naresh Asati

B-1/16, PATRAKARSAHNIWAS, NEAR MAHARAJBAGH SQUARE,  
NAGPUR-440010 (M.S.)

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101386114

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 22/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**CIVIL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Modified Title :- DEVELOPMENT OF CONSTRUCTION MATERIALS  
and Elements USING different Ashes

Supervisor :- Dr. S. R. Khandeshwar

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 22/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. S. R. Khandeshwar **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



# KALINGA UNIVERSITY

Ref. No. PrePHD/CIVIL/F2/2020/106

Entrance Exam Roll No.: 201061


## Ph.D. ELIGIBILITY CERTIFICATE

Certified that

Candidate's Name : Bhadke Vaishali Kesharao  
Father's Name : Kesharao A. Bhadke  
Mother's Name : Laxmi Kesharao Bhadke

Has qualified the Pre-Ph.D. Entrance Examination 2020-21 held on 04.10.2020 in the subject **Civil Engineering** in pursuance of UGC (Minimum Standard and Procedure for award of M.Phil./Ph.D. Degree) Regulation 2016.

This Certificate permits the candidate to undertake the Ph.D. Programme in the session 2020 of the University as per provisions laid down in the Ordinance No. 48 of Kalinga University, Raipur (CG).

  
Research Department  
Raipur, Dated: 10.10.2020



  
Registrar





# KALINGA UNIVERSITY

Ref. No. PrePHD/CIVIL/F2/2020/107

Roll No. : 21056250

Enrollment No. : 2101PHD959346

## Pre-Ph.D. COURSE WORK CERTIFICATE

Certified that

Candidate's Name : Bhadke Vaishali Kesharao

Father's Name : Kesharao A. Bhadke

Mother's Name : Laxmi Kesharao Bhadke

Has completed the course work in the academic session 2020-2021 in the subjects Research Methodology, Computer Application, Research and Publication Ethics and **Civil Engineering** has presented the review of published research in the relevant field as per provision laid down in UGC (Minimum Standard and Procedure for award of M.Phil./Ph.D. Degree) Regulation 2016 and the Ordinance 48 of Kalinga University, Raipur.

On successful completion of the course work the statement of marks was awarded to the candidate 06.09.2021.

Research Department

Raipur, Dated: 13.09.2021



Registrar

### Campus:

Kalinga University, Kotni, Near Mantralaya,  
Naya Raipur - 492 101. Chhattisgarh

Mob: +91 9303097043

E-mail: registrar@kalingauniversity.ac.in

Website: www.kalingauniversity.ac.in



## RDC-ORDER

In pursuance of the University Ordinance No. 48 (4) & UGC (Minimum Standard and Procedure for award of M.Phil/Ph.D. degree) Regulation 2016 the decision taken by Research Degree Committee of **Civil Engineering** in its meeting held on 07.04.2022, the registration for Ph.D. degree is approved as under

Name : Bhadke Vaishali Kesharao  
Father's Name : Kesharao A. Bhadke  
Mother's Name : Laxmi Kesharao Bhadke  
Enrollment No. : 2101PHD959346  
Address : Abhijeet Mansion-4, Plot No. 11, Flat-202,  
Khamla, Nagpur (M.H.) - 440025  
Category : OBC  
Supervisor : Dr. Nishikant Dhapekar  
Department of Civil Engineering,  
Kalinga University, New Raipur  
Co- Supervisor (if any) : NA  
Date of Registration : 07.04.2022  
Title of Ph.D. Registration : Compressive Strength Prediction of Nano-Silica  
Incorporated Concrete Using Artificial Intelligence

### Note:

- The supervisor/co-supervisor will ensure submission of six monthly progress report of the candidate
- In accordance with the (UGC Minimum Standard and Procedure for award of M.Phil/Ph.D. degree) Regulation 2016, Para 4.2 Ph.D. Programme shall be for a minimum duration of three years including course work.
- In case any discrepancy is observed in this order, it must be intimated to this office within 15 days from the issue of order, otherwise it will be assumed that the contents are correct.

*Abro G*  
Research Department



*[Signature]*  
Registrar

Copy to –

- Hon'ble Vice Chancellor-For information
- Respective Supervisor/Co-Supervisor/Research Scholar-For information
- Head, Research Department/Finance section for information

### Campus:

Kalinga University, Kotni, Near Mantralaya,  
Naya Raipur - 492 101. Chhattisgarh

**Mob:** +91 9303097043

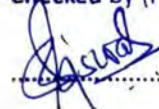
**E-mail:** registrar@kalingauniversity.ac.in

**Website:** www.kalingauniversity.ac.in


Prepared by (Full Signature)

.....

Checked by (Full Signature)

.....

Verified by (Full Signature)

.....



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

\*\*\*

**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1522

Dated : 01-06-2022

To ,

Radhika Suresh Thakre

House no. 9, plot no. 32-37, Pioneer society, Agney laout, Swawlambi  
nagar, behind DTDC courier office, Nagpur

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202102346114

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 22/03/2022  
has accepted your application for Registration for Ph.D. Degree in the subject of

**CIVIL ENGINEERING**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Development of Geotechnical Risk Evaluation Framework for  
Transportation Projects

Supervisor :- Dr. U.P. Waghe

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 22/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.


- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
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- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
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In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

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- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. U.P. Waghe **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 1976 (Mah. Act No. VI of 1976)."

Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)

Examination Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

No. RTMNU/Ph.D. Cell/RRC./Oct.-2018/1072

Dated 11/01/2018

To

**Mr. Gajanan Jagannathrao Badwe**  
B-20, Mandliknagar Co-op Society,  
Opposite Bajaj Hall, Near Chincholi Pathak,  
S. V. Road, Maladi (W)-400064

Subject – Registration for Ph.D. Degree (Full-time/ Part time)

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **29/10/2018** has accepted your application for Registration for Ph.D. Degree in the subject of **Mechanical Engineering** under the faculty of **Science & Technology**. The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

|                      |   |
|----------------------|---|
| Topic of Research    | <b>Development of Sustainable End of Life Vehicles (ELVs)<br/>Recycling framework for Passenger Cars in India</b> |
| Supervisor           | <b>Dr. R.L. Shrivastava</b>   |
| Place of Research    | <b>Yeshwantrao Chavan College of Engineering, Nagpur.</b>   |
| Date of Registration | <b>29/10/2018</b>   |

Specific Suggestion made  
by RRC

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4<sup>th</sup> February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"Established by Government of Central Provinces Education Department by Notification No. 503 dated the 17<sup>th</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017)"

Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)

Examination Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

No. RTMNU/Ph.D. Cell/RRC/ Oct.-2018/1078

Dated: 11/01/2018

To

Mr. Rajesh Ganpatrao **Borkhe**  
34, Shrihari Nagar-3, Manewada,  
Nagpur-440027

Subject:- Registration for Ph.D. Degree (Full-time/ Part time)

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 29/10/2018 has accepted your application for Registration for Ph.D. Degree in the subject of **Mechanical Engineering** under the faculty of **Science & Technology**. The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

- Topic of Research** : Design, Development and Performance Analysis of Solar-Powered Fuel Cell System
- Supervisor** : Dr. R.L. Shrivastava
- Place of Research** : Yeshwantrao Chavan College of Engineering, Nagpur.
- Date of Registration** : 29/10/2018
- Specific Suggestion made by RRC** :

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4<sup>th</sup> February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.





**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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**Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)**

**Examination Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

No. RTMNU/Ph.D. Cell/RRC./ Oct.-2018/1079

Dated : 11 /01/2018

To

**Mr. Yogesh Yadavrao Nandurkar**

2, Ishwar Nagar, Old Ring Road, Near Jattewar Sabhagraha  
Nagpur-440009

Subject :- Registration for Ph.D. Degree (~~Full time~~/ **Part time**)

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **29/10/2018** has accepted your application for Registration for Ph.D. Degree in the subject of **Mechanical Engineering** under the faculty of **Science & Technology**. The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research : **Design, Development and Performance Analysis of Optically Concentrated Multi Junction Solar Cell System Operated Under Various Active and Passive Cooling Conditions**

Supervisor : **Dr. R.L. Shrivastava**

Place of Research : **Yeshwantrao Chavan College of Engineering, Nagpur.**

Date of Registration : **29/10/2018**

Specific Suggestion made :  
by RRC

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4<sup>th</sup> February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 37/2017** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10<sup>th</sup> March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) After receipt of this registration letter undertaking must be submitted as per clause 5 and 6 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research. (**Proforma enclosed**)
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,
- c) The course work shall be treated as pre-requisite for Ph.D. programme.

- d) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- f) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- g) This letter is subject to correction, if any.

Yours faithfully,

Deputy Registrar  
(Post Exam. & Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

Copy forwarded to :-

- 1) Dr. R.L. Shrivastava, Supervisor & Professor, Deptt. of Mechanical Engineering, Yeshwantrao Chavan College of Engineering, Nagpur (Supervisor).
  - 2) The Principal, Yeshwantrao Chavan College of Engineering, Nagpur  
The Head, Place of Research, after the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the Direction No. 37/2017.
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**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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**Office of the Director, Board of Examination and Evaluation  
(Ph.D. Cell)**

**Examination Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

No. RTMNU-Ph.D. Cell/RRC/ Oct.-2018/1071

Dated : 11/01/2018

To

**Mr. Manish Madhukar Dakhore**  
09, Ayodhaya nagar, Ram Mandir, Road,  
Nagpur-440034

Subject :- Registration for Ph.D. Degree (~~Full time~~ Part time)

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 29/10/2018 has accepted your application for Registration for Ph.D. Degree in the subject of **Mechanical Engineering** under the faculty of **Science & Technology**. The approved topic, Supervisor, Place of Research and Date of Registration are as under :-

Topic of Research : **Performance Evaluation of Automated Rotary Compression Pipe Bending Mechanism**

Supervisor : **Dr. A.V. Kale**

Place of Research : **Yeshwantrao Chavan College of Engineering, Nagpur.**

Date of Registration : **29/10/2018**

Specific Suggestion made :  
by RRC

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4<sup>th</sup> February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 37/2017** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10<sup>th</sup> March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research.
- 6) After receipt of this registration letter undertaking must be submitted as per clause 5 and 6 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research. (**Proforma enclosed**)
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students.
- c) The course work shall be treated as pre-requisite for Ph.D. programme.

- d) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- f) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- g) This letter is subject to correction, if any.

Yours faithfully,

Deputy Registrar  
(Post Exam. & Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

Copy forwarded to :-

- 1) Dr. A.V. Kale, Supervisor & Professor, Yeshwantrao Chavan College of Engineering, Nagpur (Supervisor).
  - 2) The Principal, Yeshwantrao Chavan College of Engineering, Nagpur  
The Head, Place of Research, after the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the Direction No. 37/2017.
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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**Board of Examination and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/ Ph.D CELL/RRC./2020/R1/

089

Dated : 06-08-2020

To ,

**MADHAO BALIRAM BHAMBERE**

Qtr. 7, Sant Tukaram Bhavan, Shree  
Gajanan Maharaj College of  
Engineering Campus, Shegaon,  
Tah-Buldhana-444203

Subject : - Registration for Ph.D Degree      **Part Time Mode**

Sir/Madam ,

This is to inform you that the Research and Recognition Committee meeting held on 27-02-2020 has accepted your application for Registration for Ph.D. Degree in the subject of

**Mechanical Engineering**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :-

**Experimental Investigation of Heat Transfer through perforated fins of Electric Motor and formulation of mathematical model**

Supervisor :-

**Dr. Sharad S Chaudhari**

Place of Research :-

**Yeshwantrao Chavan College of Engineering Nagpur**

Date Of Registration :-

27-02-2020

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4th February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 32/2019** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a years for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) After receipt of this registration letter undertaking must be submitted as per clause 4 and 5 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research.
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be



cancelled.

10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,
- c) **The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.**
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- d) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their thesis to the in-Charge, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The In-Charge, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The In-Charge, University Campus Library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
Ph.D. Cell

Copy forwarded to :-

- 1) **Dr. Sharad S Chaudhari** (Supervisor) Head, Mechanical Engineering Department, YCCE,Wanadongari,  
Hingna road, Nagpur
- 2) The principal /director/Head,(Place of Research) **Yeshwantrao Chavan College of Engineering Nagpur**

The Head ,Place of Research,After the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the direction No.32/2019

\* Please inform supervisor email and mobile no to ph.d cell.

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## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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**Board of Examination and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/ Ph.D CELL/RRC./2020/R1/ 088

Dated : 06-08-2020

To ,

**Ashish Premshankar Umkar**

**Design Development & Performance  
Evaluation of Direct Liquid Fuel Cell**

Subject : - Registration for Ph.D Degree **Part Time Mode**

Sir/Madam ,

This is to inform you that the Research and Recognition Committee meeting held on 27-01-2020 has accepted your application for Registration for Ph.D. Degree in the subject of

**Mechanical Engineering**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- **Design Development & Performance Evaluation of Direct Liquid Fuel Cell**

Supervisor :- **Dr. R. B. Chadge**

Place of Research :- **Yeshwantrao Chavan College of Engineering Nagpur**

Date Of Registration :- 27-01-2020

On the basis of this letter all the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/16/3389 dated 4th February, 2016.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the **Direction No. 32/2019** issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University. .
- 2) **Full time** Ph.D. Degree programme shall be for the minimum duration of three years and **part time** degree programme shall be for the minimum duration of four years and six months including course work and a maximum duration will be of 6 years for full time as well as for Part time.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) **Full time** Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research,
- 5) **Part time** Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a years for the said study, at the place of research of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) After receipt of this registration letter undertaking must be submitted as per clause 4 and 5 with the help of **affidavit on Rs. 100/- Stamp Paper** signed by the Candidate, Supervisor and Head Place of Research.
- 7) Re-Registration/ Extension will not be granted in any circumstance from the expiry of the date of Registration as per the provisions of the Direction.
- 8) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 9) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be

cancelled.

10) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.
- b) He/she shall pay six monthly **retention fee of Rs. 500/-** (from the date of Registration) every six months for retaining his/her name on the register of research students,
- c) **The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.**
- e) It shall be mandatory for the researcher to publish at least one research paper in referred journal/peer reviewed journal/ journal with ISSN or ISBN, relating to his/her topic of Ph.D. Research and make two paper presentation in conferences/ seminar before submission of the Ph.D. Thesis.
- d) Research Scholar shall submit **Progress Report** of his/her research in every six months to the Ph.D. Cell through the **Head, Place of Research and the guide**. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their thesis to the in-Charge, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The In-Charge, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The In-Charge, University Campus Library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
Ph.D. Cell

Copy forwarded to :-

1) **Dr. R. B. Chadge** (Supervisor) Mechanical Engineering Department YCCE, Nagpur

2) The principal /director/Head,(Place of Research) **Yeshwantrao Chavan College of Engineering Nagpur**

The Head ,Place of Research,After the completion of the given period (one and half years) shall send to the Ph.D. Cell within 15 days a report on the non-compliance of the condition in respect of progress report as per the provisions of the direction No.32/2019

\* Please inform supervisor email and mobile no to ph.d cell.

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## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1641

Dated : 04-06-2022

To ,

**Ajinkya Prakash Edlabadkar**

FLAT NO:-12 SHRIRAMJEEVAN APPARTMENT KRIDA SQUARE  
HANUMANNAGAR NAGPUR

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101388115

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 25/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**Mechanical Engineering**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Experimental Investigation on flow of molten metal of Sand-Casting Process for Optimal Performance, to Minimize Defects and Quality Improvement

Supervisor :- Dr. Sharad Sudhakar Chaudhari

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 25/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. if it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.



- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. Sharad Sudhakar Chaudhari **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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**Examination and Evaluation Department**

**(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

NO. RTMNU/PH.D CELL/RRC/2022/R1/1642

Dated : 04-06-2022

To ,

**Ku. Albela Himmatarao Pundkar**

Flat No. 7H, Building B2/1, Nirmal - 7, Nirmal nagari Society  
Near Shitala Mata Mandir, Bapu Nagar, Harapur, Umred Road

Subject : - Registration for Ph.D Degree Full Time

Application Number : PHDRG202100525115

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 25/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**Mechanical Engineering**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Experimental investigation on medium temperature range VCR system for parametric optimization to improve performance using NL/NR

Supervisor :- Dr. Sharad Sudhakar Chaudhari

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 25/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. Sharad Sudhakar Chaudhari **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1581

Dated : 03-06-2022

To ,

**Narendra Janardan Giradkar**

Dr. J. R. Giradkar, Plot No. 9, Jeevan Chhaya Society, Beside Haldiram  
Restaurant, Padoley Hospital Square, Ring Road, Deendayal Nagar,  
Nagpur, Maharashtra-440022

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101355115

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 24/03/2022  
has accepted your application for Registration for Ph.D. Degree in the subject of

**Mechanical Engineering**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Process Parameter Optimization for Drying of Agricultural Products in  
a Fixed Bed Drier

Supervisor :- Dr. J. P. Giri

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 24/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. J. P. Giri **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1640

Dated : 04-06-2022

To ,

**Vivek Marotrao Korde**

Address for correspondence:  
Plot No. 23, Pioneer Society, Flat No. 101-102, Ajinkyamaya Apartment,  
Post Khamla, Nagpur-440025.

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100992115

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 25/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**Mechanical Engineering**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Modified Title :- Experimental Investigations on Fluidized Bed Drying  
of Agricultural Products

Supervisor :- Dr. Jayant P. Giri

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 25/03/2022



On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. Jayant P. Giri **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah.Act No. VI of 2017).)"

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1579

Dated : 03-06-2022

To ,

**Chetan Ambadas Mahatme**

A-5 SATKAR APARTMENT 1 DUBEY LAYOUT NEAR HINGNA T-POINT  
NAGPUR 440036

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101369115

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 24/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**Mechanical Engineering**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Topology Optimization of Digital Imaging and Communication in  
Medicine (DICOM ) files  
for pre-surgical models

Supervisor :- J.P.GIRI

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 24/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : J.P.GIRI **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1577

Dated : 03-06-2022

To ,

**Mohammad Sharique Tufail**

JANNAT PLOT NO C-2, OPPOSITE AMAN TOWER FLATS, SADIQABAD  
ROAD, AWASTHI NAGAR

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202100747

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 24/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**Mechanical Engineering**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Experimental investigation for process parameter optimization of broken tap removal using EDM.

Supervisor :- Dr. Jayant Pratap Giri

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 24/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.

- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. Jayant Pratap Giri **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-





## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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\*\*\*

Examination and Evaluation Department

(Ph.D. Cell)

Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033

NO. RTMNU/PH.D CELL/RRC/2022/R1/1609

Dated : 03-06-2022

To ,

**Mohd. Saquib Anwar**

H.NO Q-333 Naya bazar Tajchowk  
Kamptee 441002

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202101326115

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on 25/03/2022 has accepted your application for Registration for Ph.D. Degree in the subject of

**Mechanical Engineering**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Design, Development and Performance Evaluation of Polymer Electrolyte membrane Fuel Cell

Supervisor :- Rajkumar Chadge

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 25/03/2022

On the basis of this letter the Ph.D. candidates would be required to get themselves registered at the respective place of research by paying prescribed fees for the Ph.D. programme as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022.

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if supervisor of the candidate leaves the place of research and joins another institute/college, before submission of thesis of his/her registered candidate, Ph.D. researcher should be made aware by supervisor about his date of superannuation. Information about the date of superannuation should be communicated by the supervisor/candidate to the Head, Place of Research the Head, Place of Research shall allot another supervisor well in advance to such a candidate by following the necessary procedure for allotment of supervisor and send the proposal to seek approval from the University immediately.

Your date of registration will be considered subject to the fulfillment of the following requirements within 30 days from the receipt of this letter.


- 1) Your application has been considered as per the provisions of the Direction No. 27/2021 issued as per the provisions of the Public Notice issued by the University Grants Commission No. F.No.2014/(PS), dated 10th March, 2017 regarding Regular Mode with reference to the Ph.D. Degree. According to this notice Ph.D. Degree which is pursued either full time or part time will be treated as degree awarded through regular mode provided this is in conformity with the existing Statutes/bylaws/ordinances etc. of the degree awarding University.
- 2) Full time & Part time Ph.D. Degree programme shall be for the minimum duration of three years including course work and a maximum of six years. Registration for Ph. D. under this Direction shall be valid for a period of six year from the date of registration.
- 3) The Women candidates and persons with disability (More than 40% disability) may be allowed a relaxation of two years in the maximum duration for both the Ph.D. Programme. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph.D. Programme for up to 240 days.
- 4) Full time Ph.D. degree course shall be described to mean a course pursued by the candidates who is not in full time or part time employment of any government organisation or private and public enterprise and is devoting six hours a day at the place of Research.
- 5) Part time Ph.D degree course shall be described to mean a course pursued by the candidate who is in some employment and is pursuing the course by devoting at least five hundred clock hours in a year for the said study, at the place of Research to be certified by the concerned Supervisor and Head of the Place of Research,
- 6) During the complete tenure of Registration of Full Time Ph. D. Candidates, it shall be mandatory for them to reside within the territorial jurisdiction of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and he/she must be submitted residential address proof with affidavit on Rs. 100/- Stamp Paper signed by the Candidate who passed-out P.G. Degree other than RTM Nagpur University.
- 7) It is necessary for the supervisor to submit an undertaking stating that he/she will not have more than 8 registered Ph.D. candidates (Grade of Professor) 6 Students (Grade of Associate Professor) 4 Students (Grade of Assistant Professor) in the capacity as guide/co-guide (In prescribed form). Ph.D. candidates shall submit this undertaking provided by the supervisor along with other documents.
- 8) The candidate will be solely responsible for the authenticity of the information and document submitted by him/her. If it is found that the candidate has provided Misleading/ false /incorrect information, Registration would be liable to be cancelled.
- 9) Head/Supervisor of the candidate shall provide the copy of the letter of approval/renewal of approval of place of research to the candidate to submit it along with other documents by the candidate.

In addition to above, the candidate shall follow the instructions as mentioned below :

- a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. Research scholar has to submit marklist/degree verification certificate in original within 30 days from receipt of this letter failing which registration stands cancelled.

- b) He/she shall pay six monthly retention fee of Rs. 600/- (from the date of Registration) every six months for retaining his/her name on the register of research students, as per Notification No. RTMNU/Accounts/367 dated 17th May 2022
- c) The course work shall be treated as pre-requisite for Ph.D. programme. The candidate shall be required to complete prescribed course work within one year after registration of Ph.D. programme.
- d) Research Scholar shall submit Progress Report of his/her research in every six months to the Ph.D. Cell through the Head, Place of Research and the guide. If he/she fails to submit three progress reports consecutively, his/her registration may be cancelled by Research and Recognition Committee on the recommendations of the guide and of Head of Place of Research.
- e) It shall be mandatory to every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and publication of minimum Two research paper (one of them should be in SCOPUS/WoS/UGC Care Listed Journal as first author) and Two paper presentations at International or National Conference (as first author), relating to the topic of his/her research at the time and along with the summary of the thesis & non-plagiarism certificate.
- f) At least three months before the date of submission of the summary of the thesis, each candidate shall make his/her pre-submission presentation at the place of research in the presence of supervisor. The presentation shall be made before the Research Advisory Committee constituted for the subject and shall be arranged by the Head of the Place of Research on the request of the candidate duly endorsed by the supervisor.
- g) Before submission of thesis to the Ph.D. Cell of the University the Ph.D. Student shall submit the soft copy of their to the co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for detecting plagiarism. The co-ordinator, University Campus Library, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur shall issue the certificate of no plagiarism to the candidate after processing the Ph.D. thesis.
- h) The co-ordinator, University Campus library, shall issue the requisite no plagiarism certificate, as far as possible, within the period of 30 days from the date of submission of the thesis.
- i) This letter is subject to correction, if any.

Yours faithfully,



Deputy Registrar  
(Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Rajkumar Chadge **(Supervisor)**
  - 2) Name of Co-supervisor :
  - 3) The principal /director/Head,(Place of Research) : Yeshwantrao Chavan College of Engineering Nagpur
  - 4) Address of Place of Research :
-



Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongari, Nagpur-441110

NAAC Accredited with 'A++' Grade

Ph. : 07104- 295083, 295085

Website : www.ycce.edu , Email : principal@ycce.edu

## Declaration by the Head of the Institution

I hereby declare that the data, information and support documents attached herewith are genuine and correct to my knowledge.

Dr. U.P. Waghe

Principal

Principal

Yeshwantrao Chavan  
College of Engineering  
Wanadongri Hingna Road,  
NAGPUR-441110

