



Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Ra shtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

NAAC Accredited with 'A++' Grade

Ph.: 07104-242919, 242623, 242588

Website : www.ycce.edu E-mail : principal@ycce.edu

## Summary of 3.2.2

Number of teachers having research projects during the year

Year	2023-2024
No. of Teachers having research project	147
No. of full time Teachers	309
Percentage of teachers having research projects	47.57%

### 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



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

# **Index-3.2.2**

## **2023-24**

<b>Sr. No</b>	<b>Name of Supporting Document</b>	<b>Page Nos.</b>
1.	E copies of Sanction Letters of Government and non-Government Agencies	<b>1-59</b>
2.	First Page of Research Based Project Reports	<b>60-167</b>
3.	Notification of Ph.D. and Ph.D. Degree Certificates	<b>168-331</b>



**E copies of Sanction Letters of  
Government and non-Government  
Agencies**



**Innovation, Design, and Entrepreneurship (IDE) Bootcamp Phase-II.  
Sanction Order**

To  
The Drawing and Disbursing Officer,  
All India Council for Technical Education, Nelson Mandela Marg,  
Vasant Kunj,  
New Delhi - 110070

**Sub:** Release of a sum of **Rs 16,00,000/- (Rupees Sixteen Lakhs only)** being the **Grant-in-Aid** for hosting the Innovation, Design and Entrepreneurship (IDE) Bootcamp, Phase-II payable during the current financial year **2023-24**- reg.

Sir,  
With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of **Rs 16,00,000/- (Rupees Sixteen Lakhs only)** as Grant-in-Aid for hosting the Innovation, Design and Entrepreneurship (IDE) Bootcamp Phase-II, as per details given below:

1.	Name and address of the Beneficiary Institution:	<b>Yeshwantrao Chavan College of Engineering</b>
2.	Duration of the Program:	F.Y 2023-24
3.	Total Grant-in-aid Sanctioned:	<b>Rs 16,00,000/- (Rupees Sixteen Lakhs only)</b>
4.	Amount to be released during the year 2023-24:	<b>Rs 16,00,000/- (Rupees Sixteen Lakhs only)</b>
5.	Sanctioned grant-in-aid is debit to:	<b>MoE's Innovation Cell Account (603.7 IDE Bootcamp.)</b>

1. The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the account of the Director/Principal/ Registrar/or any other official nominated by the head of the Institute through RTGS/PFMS.
2. This Grant-in-Aid is being released in conformity with the terms & conditions as well as guidelines as already communicated and also being communicated in this letter.

**The instructions/guidelines to be followed by University/Institution**

**I. Release of funds**

- a. The Principal/ Director/Head of the institute are hereby requested to verify the correctness of the under-mentioned bank account/ RTGS details submitted by them, in which the grant is being released:

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATN0914E	Punjab National Bank	Khamla Branch	Opposite Gulmohar hall, Khamla Nagpur-440025	Yeshwantrao Chavan College of Engineering	Current	1472002100003909	PUNB0147200



In case of any omission the same should be reported to AICTE immediately.

- b. The sanction is issued in exercise of the powers delegated to the council and other terms & conditions laid down in the guidelines of the scheme.

## II. Maintenance of accounts

- a. The Institute shall strictly follow the provisions laid down in the scheme document and sanction order No File No. P/6/2023-05/C171/(IDE) Bootcamp Phase-II Dated 19<sup>th</sup> January 2024 issued by this office. All correspondences related to the scheme must contain this number along with year of sanction of the scheme; failing which correspondence will not be entertained.
- b. The College/Institute shall maintain proper accounts of the expenditure out of this grant.
- c. The Council or its nominee shall have the right to check/verify the accounts to satisfy that the funds has been utilized for the purpose for which it was sanctioned.
- d. The Principal / Director / Registrar shall intimate about the receipt of the grant to AICTE.

## III. Budget details:

### 1.(a) Budget Sanctioned

Budget for organizing the IDE Bootcamps		
Sr No	Budget Heads	Estimated Budget for one Bootcamps (Rs. In Lakhs)
<b>A: (Sr. No.1-10) (Grant-in-Aid)</b>		
1	Food and Accommodation	9.00
2	Venue and logistics Arrangements and Exhibition Stalls	1.50
3	Registration Kit	0.87
4	Standees/Banners for Promotion Media	0.50
5	Felicitation of the experts/guests	0.15
6	Certificates	0.20
7	Contingency	0.53
8	Local Site Tour	1.00
9	Stay, Local travel and food for Experts/ speakers and officials of MIC	1.50
10	Honorarium to the experts	0.75
	<b>Total(Grant-in-Aid) (Sr. No 1-10)</b>	<b>16</b>

### Important Note:

The expenditure incurred by the institution should be within each budgetary head. If, in any case, the expenditure in any particular budgetary head increases the upper limit, the institution can utilize the unutilized funds of some other budgetary head within the total sanctioned budget.

## IV. Requirements from the Host Institute

- a. To provide transportation facility between Venue and accommodation for all participants.
- b. Adequate infrastructure like a state-of-the-art auditorium (at least 400 capacity) to be provided for inauguration/valedictory functions
- c. Seating space arrangement team wise with table and chairs be provided for accommodating 250-300 participants for 5 days during the training session which may include various hands on activities with audio-video aids and High-speed Internet connectivity along with electrical power points for Laptop charging with Wi-Fi facilities



- d. Arrangement of 4 seminar halls (75-100 number capacity) & 4 Conference/Meeting Room with audio-video aids.
- e. Set up of basic Exhibition Stalls equal to number of student teams allocated to the institutes
- f. To provide accommodation, logistics and food (Breakfast, Lunch, Dinner, Tea & snacks (2 times) for 250-300 participants for 5- days (29th Jan-2 Feb 2024). Arrangements of Dinner on the arrival day 28th Jan and Morning Breakfast on departure day 3rd Feb as per actual presence be provided
- g. Separate Hostels/Guest House for Boys and Girls participants including faculty team mentors.
- h. Preparedness for any kind of medical emergency.
- i. Toilets and bathrooms at the venue should be cleaned frequently and equipped with basic toiletries and hot water facility.
- j. The cleanliness and hygiene should be maintained at food venue, training venue, hostel and guest house etc.
- k. Accommodation, food and local pickup/drop arrangement for the officials and experts speakers nominated by the MIC/AICTE
- l. Engagement of faculty/non-teaching staff coordinators (10-15) and student volunteers support (25-30) for smooth conducting of the boot-camp.
- m. Identify and invite around 12 individual experts (innovator, startup founder, incubator, IP experts, angel and VC, knowledge agencies, ecosystem enablers) to act as part of the pitch panel (4 panels consisting of 3 experts each) on Day 5 i.e 2nd Feb 2024.
- n. Event Photography/Videography & audio/video facility and infra to go live whenever required during the event.
- o. The exact number of student participants, team mentors, experts(speakers)and officials will be shared by the MIC/AICTE
- p. To arrange master of ceremony/Anchor during the entire event including inauguration and valedictory etc.
- q. On Day 3 (31<sup>st</sup> Jan,2024) (3:15PM-5:30 PM), the host institution has to make arrangements for all participants to visit host institute's incubator/idea lab and interaction with incubated startups.
- r. On Day 4 (1<sup>st</sup> Jan 2024) post lunch, host institution has to make travel arrangements for all the participants to visit (out of the campus) innovation hubs /incubation centers in the same city in order to experience real world insights. Arrangement for packed food & water needs to be done if required during the local tour.
- s. List of participants will be shared by the MIC/AICTE consisting of student teams including faculty mentors (finalist of SIH 2023 grand finale) and Students of UTs of J&K and Ladakh (Beneficiary of SSSJKL- PMUSP Yojana).

#### Honorarium and TA guidelines

##### (a)Experts: Speakers (To be arranged by AICTE/MIC)

The host institute may be contacted for nominating the experts for the same. As Wadhvani foundation is the knowledge partner of the event, maximum speakers will be arranged by the foundation itself and there is no provision for honorarium and TA for these experts / speakers. For others speakers / Experts Honorarium @ **Rs 5000 per day** may be given from Grant-in-Aid (head no. 10) and TA for local travel may be given from the Contingency head or the balance amount of the total Grant-in-Aid.

##### (b) Pitching Panel Experts (To be arranged by the host institute)

Honorarium @ **Rs. 3500 per day** may be given to these Experts from Grant-in-Aid (head no. 10) and TA for local travel may be given from the Contingency head or the balance amount of the total Grant-in-Aid.

#### V. Refund of grant

The unspent balance amount out of the grant may be refunded to AICTE/MIC through NEFT/RTGS at INNOVATION CELL ACCOUNT, Account No:37903899633, IFSC: SBIN0050203, SBI, Shastri Bhavan, Rajendra Prasad Road, New Delhi-110001

#### VI. Submission of documents by college/institution after completion of the event

The following mandatory relevant documents are required to be submitted by the college/institution within the prescribed period of the completion of the scheme: -



- a. In case of Govt. Institutions Statement of actual expenditure in original in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor

or

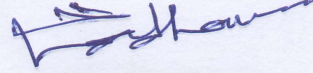
In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.

- b. The **Utilization Certificate (UC)** supported by the Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it was sanctioned shall be furnished to the AICTE immediately after completion of the program along with the verified copy of bills, vouchers, proof of transaction and TA forms. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council. Audited Statement of Expenditure indicating expenditure incurred during the program in the prescribed format and GFR-19 shall be submitted to the Council.

**VII. General instructions**

- a. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.
- b. This Sanction Order may be treated as Offer Letter for all purposes.

Yours sincerely,



(Yogesh Wadhawan)  
Sr. Accounts Officer

Copy forwarded for information and necessary action to:

**Name and Address**

1. Director, Finance Bureau, AICTE
2. **Principal Yeshwantrao Chavan College of Engineering**





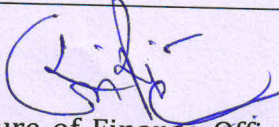

**Audited Utilization Certificate(UC)  
For the FY: 2023-2024**

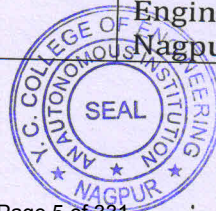
Name of the Institute: Yeshwantrao Chavan College of Engineering

Name of the Scheme under which the Grant was sanctioned: IDE Bootcamp Phase-II 2024

AICTE Sanction Order No. & Date under which Grant was sanctioned	Amount Sanction (Rs.)	CERTIFICATE
File No.P/6/2023-05/C171 (IDE) Bootcamp Phase II Dated 19th January 2024	Rs 16,00,000/- (Rupees Sixteen Lakhs only)	Certified that out of the Grant-in- Aid of <b>Rs. Rs 16,00,000/- (Rupees Sixteen Lakhs only)</b> sanctioned by the AICTE during the Letter mentioned in the margin, <b>Rs. Nil on</b> account of unspent balance of previous year + <b>Rs. NIL</b> on account of Interest, a <b>Sum of Rs. 16,00,000/-</b> has been utilized for the purpose for which it was sanctioned at the end of the FY 2023-24.

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.

 (Signature of Finance Officer*)	 (Signature of Head of the Institute)
Name of FO: Mr. Ravinsingh Bilgaye Full Address of FO: Yeshwantrao Chavan College of Engineering, Wanadongari, Hingna Road, Nagpur, Maharashtra	Name: Dr. U. P. Waghe Designation: Principal Full Address: Yeshwantrao Chavan College of Engineering, Wanadongari, Hingna Road, Nagpur, Maharashtra Principal, Yeshwantrao Chavan College of Engineering Hingna Road, Wanadongri, Nagpur - 441110







Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

(Empowered Autonomous Institution under R.T.M. Nagpur University)

Hingna Road, Wanadongari, Nagpur-441110

NAAC Accredited with 'A++' Grade

Ph. : 07104- 295083, 295085

Website : www.ycce.edu , Email : principal@ycce.edu

## Statement of Expenditure (SoE)



This is to certify that out of the Grant-in-Aid received by the Yeshwantrao Chavan College of Engineering, Nagpur, Maharashtra for Sanctioned Amount **Rs. Rs 16,00,000/- (Rupees Sixteen Lakhs only)** from the Ministry of Education's Innovation Cell (MIC) – AICTE, GoI for hosting the IDE Bootcamp Phase-II 2024 the Yeshwantrao Chavan College of Engineering, Nagpur, Maharashtra has utilized **Rs. 17,08,000** for the purpose for which it has been granted as per below details and the balance amount remains nil hence no amount has been deposited in the **Innovation Cell Account, Account No.: 37903899633, IFSC: SBIN0050203**, SBI, Shastri Bhavan, Rajendra Prasad Road, New Delhi-110001.



Ministry of Education's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)

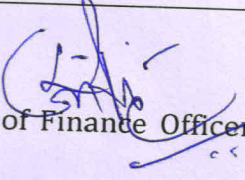
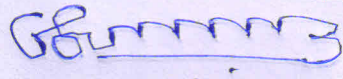
Budget for Organizing the IDE Bootcamp Phase II					
Sr No	Budget Heads	Sanctioned Budget for on IDE Bootcamps As per the sanction letter (Rs. In Lakhs)	Actual Expenditure incurred in IDE Bootcamp phase-II, 2024 (Rs. In Lakhs)	Balance amount. (Rs. In Lakhs)	Remarks (Details of amount utilized from other head if applicable)
<b>A: (Sr. No.1-10) (Grant-in-Aid)</b>					
1	Food and Accommodation	9.00	7.06	1.94	-
2	Venue and logistics Arrangements and Exhibition Stalls	1.50	7.86	-	5.29 Lacks utilized from other heads along with institute given 1.07 Lakhs
3	Registration Kit	0.87	0.48	0.39	-
4	Standees/Banners for Promotion Media	0.50	0.20	0.30	-
5	Felicitation of the experts/guests	0.15	0.22	-	Rs 7000 utilized from Certificate head
6	Certificates	0.20	0.10	0.10	-
7	Contingency	0.53	0.20	0.33	-
8	Local Site Tour	1.00	00	1.00	-
9	Stay, Local travel and food for Experts/ speakers and officials of MIC	1.50	0.49	1.01	-
10	Honorarium to the experts	0.75	0.47	0.29	-
	<b>Total (Sr. No 1-10)</b>	<b>16</b>	<b>17.08</b>		





### Important Points to be Noted

1. \*In case of the Government Institutions, Finance Officer/Controller may verify the UC and relevant documents.
2. \*\* Note: In case of any confusion regarding the account and other details ,please refer the sanction letter.
3. \*\*\*\* Verified Copies of bills/vouchers, invoices, proof of transaction & honorarium receipts need to be attached with the UC and SOE as Annexures.

 (Signature of Finance Officer*)	 (Signature of Head of the Institute)
Name of FO: Mr. Ravinsingh Bilgaye Full Address of CA/FO: Yeshwantrao Chavan College of Engineering, Wanadongari, Hingna Road, Nagpur, Maharashtra	Name: Dr. U. P. Waghe Designation: Principal Full Address: Yeshwantrao Chavan College of Engineering, Wanadongari, Hingna Road, Nagpur, Maharashtra



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

The deadline for submission of UC, SOE, and Unutilized/Balance amount is 20<sup>th</sup> February 2024





**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/2024/000019**

**Dated: 12-Feb-2024**

Subject: Application titled "Global Challenges, Local Solutions: Civil Engineering Symposium"

**Dear Dr. Sanjay Padmakar Raut,**

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 **The committee recommended Rs 50000/-** 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 **"Global Challenges, Local Solutions: Civil Engineering Symposium"** Dated: 15-Mar-2024 to 16-Mar-2024

**You are requested to submit affidavit (Bond) on Rs. 100/- non-judicial stamp paper, in original (by speed / registered post), scan copy through online is also required to submit (format link-[https://serbonline.in/SERB/AbstractFilePath?FileType=E&FileName=BND\\_SSY.pdf&PathKey=DOCUMENT\\_TEMPLATE](https://serbonline.in/SERB/AbstractFilePath?FileType=E&FileName=BND_SSY.pdf&PathKey=DOCUMENT_TEMPLATE)).**

Kindly submit the required document/ RIGS 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 SCRD, convener cannot change the event date, it may not be acceptable.

With kind regards,

(Dr. Sukumar Dey)

Scientist D

Ph:

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

**Dr. Sanjay Padmakar Raut**

**Civil Engineering**

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



**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/2023/001749**

**Dated: 12-Feb-2024**

Subject: Application titled "Two days National seminar on Sustainable Approaches towards Environmental Management"

**Dear Ms. Charuta Subhash Waghmare,**

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 **The committee recommended Rs 75000/-** 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 **"Two days National seminar on Sustainable Approaches towards Environmental Management"**  
**Dated: 16-May-2024 to 17-May-2024**

You are requested to submit affidavit (Bond) on Rs. 100/- non-judicial stamp paper, in original (by speed / registered post), scan copy through online is also required to submit (format link-[https://serbonline.in/SERB/AbstractFilePath?FileType=E&FileName=BND\\_SSY.pdf&PathKey=DOCUMENT\\_TEMPLATE](https://serbonline.in/SERB/AbstractFilePath?FileType=E&FileName=BND_SSY.pdf&PathKey=DOCUMENT_TEMPLATE)).

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 D

Ph:

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

**Ms. Charuta Subhash Waghmare**

**Civil Engineering**

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

**SCIENCE & ENGINEERING RESEARCH BOARD(SERB)**

(a statutory body of the Department of Science &amp; Technology, government of India)

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

Dated: 19 February, 2024

**ORDER**

Subject: Financial assistance for the organizing National Symposium on "Bridging the gap between Theoretical and Physical World in Mechanical Engineering " by **Mr. Ajinkya Prakash Edlabadkar, Yeshwantrao Chavan College Of Engineering**, Hingna Road Wanadongri, Nagpur, Maharashtra-441110 being held from 19-Feb-2024 to 24-Feb-2024 (6 days).

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned project at a total cost of **Rs. 120000/- (Rs. One Lakh Twenty Thousand Only)** to Yeshwantrao Chavan College Of Engineering , Hingna Road Wanadongri, Nagpur, Maharashtra-441110 during the financial year 2023-2024 to meet the expenses related to TA/DA to Young and Senior Indian Scientists, Pre-conference printing in connection with the above event.

2. The amount of **Rs. 120000/- (Rs. One Lakh Twenty Thousand Only)** will be drawn by Under Secretary, SERB and disbursed by the means of Cheque or Electronic Fund Transfer (NEFT/RTGS) as beneficiary's Bank Details given below.

<b>Agency Name</b>	Yeshwantrao Chavan College of Engineering
<b>PFMS Unique Code</b>	MHNG00006832
<b>Account Name</b>	Yeshwantrao Chavan College of Engineering
<b>Account Number</b>	1472000100413852
<b>Bank Name &amp; Branch</b>	Punjab National Bank Near Gulmohar Hall Pande Layout Khamla
<b>IFSC/RTGS Code</b>	PUNB0147200
<b>Email id of A/C Holder</b>	udaywaghe@yahoo.com
<b>Email id of PI</b>	ajinkyae@gmail.com

to **PRINCIPAL, Yeshwantrao Chavan College Of Engineering, Hingna Road Wanadongri**

3. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER)**  
**This release is being made under Seminar/Symposia. (Internal Committee). General**

4. The Sanction has been issued with the approval of competent authority under delegated powers and vide sanction number to Yeshwantrao Chavan College Of Engineering, Hingna Road Wanadongri with the approval of the competent authority under delegated powers on **02 February, 2024** and vide Diary No. **SERB/F/12859/2023-2024** dated **10 February, 2024**

5. As per Rule 211(1) of GFRs, the accounts of the Grantee Institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so.

6. It is **mandatory** that the grantee institution is required to submit to this office, audited Statement of Income-Expenditure, Utilization Certificate (in duplicate as per prescribed format) and brief report of above event (max. 04 pages) within three months after the date of completion. .

7. The balance amount, if any, may be returned through DD in favor of "Fund for Science & Engineering Research" payable at New Delhi.

8. The Organization/Institute/University should ensure that the technical support/financial assistance provided to them by the Science and Engineering Research Board, a statutory body of the Department of Science and Technology (DST), Government of India should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

9. In addition, the investigator / host Institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science and Engineering Research Board, a statutory body of the Department of Science and Technology (DST), Government of India.



10. The logo of SERB is to be displayed on all Conferences / Seminars / Symposium material being used for the event.

*Sukumar Dey*  
(Dr. Sukumar Dey)

Scientist D

seminar.symposia@serb.gov.in

To,  
Under Secretary  
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB , New Delhi.
3.	File Copy
4.	<b>Mr. Ajinkya Prakash Edlabadkar</b> <b>Mechanical Department</b> <b>Yeshwantrao Chavan College of Engineering , Hingna road wanadongri, Nagpur, Maharashtra-441110</b> Email: ajinkyae@gmail.com Mobile: 919764478622 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	<b>PRINCIPAL,</b> <b>Yeshwantrao Chavan College Of Engineering, Hingna Road Wanadongri</b>  (Receipt of Grant may be intimated by name to the undersigned)

*Sukumar Dey*  
(Dr. Sukumar Dey)

Scientist D

seminar.symposia@serb.gov.in



**SCIENCE & ENGINEERING RESEARCH BOARD(SERB)**

(a statutory body of the Department of Science &amp; Technology, government of India)

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

Dated: 05 February, 2024

**ORDER**

Subject: Financial assistance for the organizing National Symposium on "Intricacies of Industrial IOT and Agile Manufacturing" by **Prof. Dipti Navrang Kashyap, Yeshwantrao Chavan College Of Engineering**, Hingna Road Wanadongri, Nagpur, Maharashtra-441110 being held from 05-Feb-2024 to 10-Feb-2024 (6 days).

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned project at a total cost of **Rs. 120000/- (Rs. One Lakh Twenty Thousand Only)** to Yeshwantrao Chavan College Of Engineering, Hingna Road Wanadongri, Nagpur, Maharashtra-441110 during the financial year 2023-2024 to meet the expenses related to TA/DA to Young and Senior Indian Scientists, Pre-conference printing in connection with the above event.

2. The amount of **Rs. 120000/- (Rs. One Lakh Twenty Thousand Only)** will be drawn by Under Secretary, SERB and disbursed by the means of Cheque or Electronic Fund Transfer (NEFT/RTGS) as beneficiary's Bank Details given below.

<b>Agency Name</b>	Yeshwantrao Chavan College of Engineering
<b>PFMS Unique Code</b>	MHNG00006832
<b>Account Name</b>	Yeshwantrao Chavan College of Engineering
<b>Account Number</b>	1472000100413852
<b>Bank Name &amp; Branch</b>	Punjab National Bank Punjab National Bank Near Gulmohar Hall, Pande Layout Khamla, Nagpur
<b>IFSC/RTGS Code</b>	PUNB0147200
<b>Email id of A/C Holder</b>	udaywaghe@yahoo.com
<b>Email id of PI</b>	diptikashyap22@gmail.com

to **PRINCIPAL, Yeshwantrao Chavan College Of Engineering, Hingna Road Wanadongri**

3. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER)**  
**This release is being made under Seminar/Symposia. (Internal Committee). General**

4. The Sanction has been issued with the approval of competent authority under delegated powers and vide sanction number to Yeshwantrao Chavan College Of Engineering, Hingna Road Wanadongri with the approval of the competent authority under delegated powers on **03 January, 2024** and vide Diary No. **SERB/F/12431/2023-2024** dated **05 February, 2024**

5. As per Rule 211(1) of GFRs, the accounts of the Grantee Institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so.

6. It is **mandatory** that the grantee institution is required to submit to this office, audited Statement of Income-Expenditure, Utilization Certificate (in duplicate as per prescribed format) and brief report of above event (max. 04 pages) within three months after the date of completion. .

7. The balance amount, if any, may be returned through DD in favor of "Fund for Science & Engineering Research" payable at New Delhi.

8. The Organization/Institute/University should ensure that the technical support/financial assistance provided to them by the Science and Engineering Research Board, a statutory body of the Department of Science and Technology (DST), Government of India should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

9. In addition, the investigator / host Institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science and Engineering Research Board, a statutory body of the Department of Science and Technology (DST), Government of India.

10. The logo of SERB is to be displayed on all Conferences / Seminars / Symposium material being used for the event.

  
(Dr. Sukumar Dey)

Scientist D

seminar.symposia@serb.gov.in

To,  
Under Secretary  
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB , New Delhi.
3.	File Copy
4.	<b>Prof. Dipti Navrang Kashyap</b> <b>Mechanical Department</b> Yeshwantrao Chavan College of Engineering , Hingna road wanadongri, Nagpur, Maharashtra-441110 Email: diptikashyap22@gmail.com Mobile: 919503133009 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	<b>PRINCIPAL,</b> <b>Yeshwantrao Chavan College Of Engineering, Hingna Road Wanadongri</b> (Receipt of Grant may be intimated by name to the undersigned)

  
(Dr. Sukumar Dey)

Scientist D

seminar.symposia@serb.gov.in



11rd Floor, C. J. Forever, Central Bazar Road,  
Bajaj Nagar, Nagpur - 440010

**KUMAR & JAYAKRISHNAN**  
CHARTERED ACCOUNTANTS

☎ : (0712) 2223354 (R) 2558068 (M) 09370694350 Email : gvkumar102@yahoo.com, cagvk@yahoo.com Website : www.caknj.com

Ref. \_\_\_\_\_

Date : \_\_\_\_\_

FORM G.F.R. 19 A

**UTILIZATION CERTIFICATE**  
(IN DUPLICATE)

**Date: 31.03.2024**

**SERB Sanction No: SSY/2023/000856-05.02.2024**

Certified that out of 1,20,000/- of grants-in-aid sanctioned during the year 2023-24 in favor of YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING vide SERB Order No. SSY/2023/000856 dated:05.02.2024 against which institute has incurred Rs.1,20,000/- & Balance Amount -NIL- purpose of Organizing National Symposium on “ **Intricacies of Industrial IOT and Agile Manufacturing** “ Dated 18.03.2024 to 24.03.2024 for which it was sanctioned and that the balance of NIL remaining un-utilized at the end of the event has been surrendered to SERB [ Vide Cheque/ DD No. — dated)

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)*

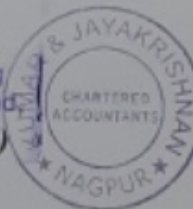
(Head of the Institution i.e.  
Registrar / Director /  
Principal)

Signature of Convener /  
Organizing Secretary

Signature of Accounts /  
Finance Officer/  
(with Seal)

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

*(In case of Societies Association)*



**FOR KUMAR & JAYAKRISHNAN**  
Chartered Accountants  
FRN: 113708W

CAG V. Kuntjar  
Partner  
M. No. 100861

VDIN: 24100861 B322YE2169  
Date: 06/05/2024

Signature of Convener /  
Organizing Secretary

(President/Secretary)

Signature of the Chartered  
Accountants  
(with Seal)

NOTE- STATEMENT OF EXPENDITURE AND UTILIATION 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.





Nagar Yuvak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

(Empowered Autonomous Institution under R.T.M. Nagpur University)

Hingna Road, Wanadongari, Nagpur-441110

NAAC Accredited with 'A++' Grade

Ph. : 07104- 295083, 295085

Website : www.ycce.edu , Email : principal@ycce.edu



## Science and Engineering Research Board

(a statutory body of the Department of Science & Technology, Government of India)

### Statement of Expenditure & Utilization Certificate

(Financial Assistance to Seminar / Symposium)

S & SA, IGF,

Vasant Square Mall

Sector-B, Pocket-3, Vasant Kunj,

New Delhi - 110 070

SERB Sanction No: SSY/2023/000856 dt. 05.02.2024

Date:31/03/2024

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

Yeshwantrao Chavan College of Engineering, Wanadongri Nagpur-441110

2. Title of the Seminar / Conference / Workshop / Symposium etc.:  
National Symposium on "Intricacies of Industrial IOT and Agile Manufacturing"

3. Duration / Period of the organized event:

From			To		
Date	Month	Year	Date	Month	Year
18	March	20 24	23	March	20 24

4. Grant Sanctioned / Released: Rs.120000/- (Rupees One Lakh Twenty Thousand Only)  
5. Out of the Total expenditure, 120000/-SERB Grant has been utilized as per the details given below:

S. No	Budget Head	Amount (₹)
I.	Domestic Travel for Young and Senior Scientists (Indian Only)	Rs.66000/-
II.	Pre-Conference Printing (Announcements, abstracts etc.)	Rs.5880/-
III.	Contingencies (Stationary items, Working Tea / Lunch, Audio-Visual etc.)	Rs.45620/-
IV.	Others	Rs.2500/-
<b>Total (₹ Rupees One Lakh Twenty Thousand only)</b>		<b>Rs.120000/-</b>

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



Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

(Empowered Autonomous Institution under R.T.M. Nagpur University)

Hingna Road, Wanadongari, Nagpur-441110

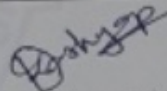
NAAC Accredited with 'A++' Grade

Ph. : 07104- 295083, 295085

Website : www.ycce.edu , Email : principal@ycce.edu

5. Brief details of total income and expenditure:

Income (in `)		Expenditure (in `)	
1. By Registration	Nil	1. Domestic Travel for Young and Senior Scientists (Indian Only)	Rs.66000/-
2. By Donations	Nil	2. Pre-Conference Printing	Rs.5880/-
3. By advertisements	Nil	(Announcements, abstracts etc.)	
4. By Grant from SERB	Rs.120000/-	3. Contingencies (Stationary items, Working Tea / Lunch, Audio-Visuals etc.)	Rs.45620/-
5. By Other Funding Agencies	Nil	4. Printing of Proceedings	Nil
i.		5. Other etc.	Rs.2500/-
ii.		(please specify)	
iii.			
....			
<b>Total (in `)</b> (Rupees One Lakh Twenty Thousand)	Rs.120000/-	<b>Total (in `)</b> (Rupees One Lakh Twenty Thousand only)	Rs.120000/-

  
(Signature of Convener / Organizing 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.

## Innovation Cell

NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI-110070, INNOVATION CELL (2022-23),  
Contact : 01126131576-78,80, E-Mail : finance@aicte-india.org

Date : 28-Aug-2023

Vch. No. : 700

**YASHWANTRAO CHAVAN COLL OF ENGG**

District : NAGPUR

PIN Code : 295083

Sir / Madam,

This is in reference to your bill No. :- 1 Dated 23-Aug-2023 , an amount of ₹ 44,800.00 ( Rs Forty Four Thousand Eight Hundred only ) towards payment of **KAPILA SCHEME** , we wish to inform you that the payment of the said bill has been made through RTGS / NEFT on 28-Aug-2023 , into your Account as per details provided by you. ( PUNJAB NATIONAL BANK , , A/c 1472002100003909. ).

Sr. No.	Particulars	Amount
1	<b>KAPILA SCHEME</b> TA DA HON. MISC INCOME	<b>44,800.00</b>
2	<b>Deductions</b> 1. Advance Adjusted 2. Tax Deducted at Source ( AAATN0914E ) 3. Other Tax ( G.S.T. etc. ) 4. Other Deductions	
3	<b>Net amount</b>	<b>44,800.00</b>

Advisor (Finance)





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/2023-24/ 533

Date: 18 September 2023

To

**Mr. Sagar W. Dhengare**  
**Civil Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of Minor Research & Product Development

Dear Mr. Sagar W. Dhengare

We are pleased to inform you that your proposal titled **Development of Quaternary Concrete** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 30,000/-**

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

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwalla Gawande  
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

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## Research and Development Cell

YCCE/R and D Cell/2023-24/ 534

Date: 18 September 2023

To

**Dr. Prasanna M. Palsodkar/ Dr. Prachi P. Palsodkar**  
**Electronics Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of Minor Research & Product Development

Dear Dr. Prasanna M. Palsodkar/ Dr. Prachi P. Palsodkar

We are pleased to inform you that your proposal titled **Edge Device Based Audio Synthesis for Detection of Cough Intensity** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 25,000/-**

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

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwalla Gawande  
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

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## Research and Development Cell

YCCE/R and D Cell/2023-24/ 535

Date: 18 September 2023

To

**Dr. Nischal P. Mungale**

**Mechanical Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of Minor Research & Product Development

Dear Dr. Nischal P. Mungale

We are pleased to inform you that your proposal titled **Performance Investigation of Solar Dryers for Agriculture Food Product and Green Hurbes** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 30,000/-**

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

Dr. Yogita Chitri  
Assistant Dean,  
Funding Proposal

Dr. Ujwala Gawande  
Dean, R and D

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

Copy To

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





Nagar Yuvak Bhavan Samithi's

# Yeshwantrao Chavan College of Engineering

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Hingna Road, Wanadongri, Nagpur - 441 110

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## Research and Development Cell

YCCE/R and D Cell/2023-24/ 536

Date: 18 September 2023

To

**Mr. Chetan A. Mahatme**

**Mechanical Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of Minor Research & Product Development

Dear Mr. Chetan A. Mahatme

We are pleased to inform you that your proposal titled **A 3-D Printed Training Device for Medical Professionals for Simulating Effective Lumbar Puncture Procedure** 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,  
Funding Proposal

Dr. Ujwala Gawande  
Dean, R and D

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

Copy To

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







Nagar Yuwak Shikshan Sanstha's

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## Research and Development Cell

YCCE/R and D Cell/2023-24/ 537

Date: 18 September 2023

To

**Mr. Gopal H. Waghmare**  
**Mechanical Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of Minor Research & Product Development

Dear Mr. Gopal H. Waghmare

We are pleased to inform you that your proposal titled **Design and Fabrication of Reusable Functional and Effective Wrist Orthosis** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 25,000/-**

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

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal  
Principal,  
Yeshwantrao Chavan College of Engineering  
Hingna Road, Wanadongri,  
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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## Research and Development Cell

YCCE/R and D Cell/2023-24/ 538

Date: 18 September 2023

To

**Mr. Dilip I. Sangotra**

**Mechanical Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of Minor Research & Product Development

Dear Mr. Dilip I. Sangotra

We are pleased to inform you that your proposal titled **Fabrication and Analysis of Aqua Silencer** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 25,000/-**

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

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

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

Copy To

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







Nagar Yuwak Bhadreshan Hanstha'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/2023-24/ 539

Date: 18 September 2023

To

**Mr. Sanket G. Kalamkar**

**Civil Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of Minor Research & Product Development

Dear Mr. Sanket G. Kalamkar

We are pleased to inform you that your proposal titled **Enhancing Quality of Stormwater using Pervious Concrete and Base Layer of Agro-Industrial Wastes Materials** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 20,000/-**

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

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwala Gawande  
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

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

## Research and Development Cell

YCCE/R and D Cell/2023-24/ 540

Date: 18 September 2023

To

**Mr. Dhiraj K. Thote**

**Electronics and Telecommunication**

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Minor Patentable Project

Dear Mr. Dhiraj K. Thote

We are pleased to inform you that your proposal titled **Agriculture Robot using IoT** 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. Nita Rehpade  
Assistant Dean, IPR  
Division

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwalla Gawande  
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

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Research and Development Cell

Date: 18 September 2023

YCCE/R and D Cell/2023-24/ 541

To

**Mrs. Nivedita A. Pande**

**Electronics and Telecommunication**

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Minor Patentable Project

Dear Mrs. Nivedita A. Pande

We are pleased to inform you that your proposal titled **Automatic Robotic Cleaner** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 16,019/-**

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

Dr. Nita Rehpade  
Assistant Dean, IPR  
Division

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwalla Gawande  
Dean, R and D

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

Copy To

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







Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

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

## Research and Development Cell

YCCE/R and D Cell/2023-24/ 542

Date: 18 September 2023

To

**Mr. Abhishek A. Madankar**

**Electronics and Telecommunication**

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Minor Patentable Project

Dear Mr. Abhishek A. Madankar

We are pleased to inform you that your proposal titled **Detection of Vata Doshha using Urine Sample** 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. Nita Rehpade  
Assistant Dean, IPR  
Division

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwala Gawande  
Dean, R and D

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

Copy To

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







Nagar Yuwak Shikshan Sanstha's

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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/2023-24/ 543

Date: 18 September 2023

To

**Mr. Devendra Shahare**  
**Mechanical Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Minor Patentable Project

Dear Mr. Devendra Shahare

We are pleased to inform you that your proposal titled **Multipurpose Medicine Carriers Container** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 30,000/-**

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

Dr. Nita Rehpade  
Assistant Dean, IPR  
Division

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwala Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal  
Principal,  
Yeshwantrao Chavan College of Engineering  
Hingna Road, Wanadongri,  
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/2023-24/ 544

Date: 18 September 2023

To

**Mr. Bhushan U. Bawankar**

**Information Technology**

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Minor Patentable Project

Dear Mr. Bhushan U. Bawankar

We are pleased to inform you that your proposal titled **Nadi Pariksha: Diseases Prediction System** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 16,500/-**

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

Dr. Nita Rehpade  
Assistant Dean, IPR  
Division

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

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

Copy To

- HoD, Department of **Information Technology**, YCCE
- A/C Section, YCCE







Nagar Yuwak Shikshan Sanstha's

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## Research and Development Cell

YCCE/R and D Cell/2023-24/ 545

Date: 18 September 2023

To

**Mr. Surendra S. Nagpure**

**Mechanical Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Minor Patentable Project

Dear Mr. Surendra S. Nagpure

We are pleased to inform you that your proposal titled **Cloth Drying Machine** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 20,500/-**

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

Dr. Nita Rehpade  
Assistant Dean, IPR  
Division

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

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

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## Research and Development Cell

YCCE/R and D Cell/2023-24/ 546

Date: 18 September 2023

To

**Mr. Yogesh S. Kale**

**Electronics and Telecommunication**

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Minor Patentable Project

Dear Mr. Yogesh S. Kale

We are pleased to inform you that your proposal titled **Integrating Environmental Sensors using LORA Technology for Industrial Applications** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 25,150/-**

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

Dr. Nita Rehpade  
Assistant Dean, IPR  
Division

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

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

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- A/C Section, YCCE







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## Research and Development Cell

YCCE/R and D Cell/2023-24/531

Date: 18 September 2023

To

**Mrs. Minal S. Ghute**

**Electronics and Telecommunication**

Subject: Approval of Proposal submitted under In-House Scheme of Innovative UG/ PG Project

Dear Mrs. Minal S. Ghute

We are pleased to inform you that your proposal titled **Design of Drowning Rescue Alert System** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 14,000/-**

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

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwala Gawande  
Dean, R and D

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

Copy To

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





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## Research and Development Cell

YCCE/R and D Cell/2023-24/ 532

Date: 18 September 2023

To

**Dr. Tejaswini Panse**

**Electronics Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of Innovative UG/ PG Project

Dear Dr. Tejaswini Panse

We are pleased to inform you that your proposal titled **Water Quality Assessment and Monitoring System** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 19,000/-**

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

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwalla Gawande  
Dean, R and D

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

Copy To

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





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## Research and Development Cell

YCCE/R and D Cell/2023-24/ 528

Date: 18 September 2023

To

**Dr. Prachi Palsodkar**

**Electronics Engineering**

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

Dear Dr. Prachi Palsodkar

We are pleased to inform you that your proposal titled **Development of Next Generation Intelligent Device Solutions with Embedded Machine Learning** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 9,887/-**

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

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwalla Gawande  
Dean, R and D

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

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## Research and Development Cell

YCCE/R and D Cell/2023-24/ 529

Date: 18 September 2023

To

**Mr. Nilesh U. Sambhe**

**Computer Technology**

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

Dear Mr. Nilesh U. Sambhe

We are pleased to inform you that your proposal titled **Voice Over Internet Protocol (VoIP) Based IPBX System Design** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 25,000/-**

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

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwala Gawande  
Dean, R and D

Dr. U. P. Waghe

Principal,

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

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- HoD, Department of **Computer Technology**, YCCE
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## Research and Development Cell

YCCE/R and D Cell/2023-24/ 530

Date: 18 September 2023

To

**Dr. Bharati N. Patil**

**Physics Department**

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

Dear Dr. Bharati N. Patil

We are pleased to inform you that your proposal titled **Wavelength Measurement of Laser using a Thin Wire of Unknown Thickness** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 20,000/-**

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

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwalla Gawande  
Dean, R and D

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

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## Research and Development Cell

YCCE/R and D Cell/2023-24/ 672

Date: 10 October 2023

To

**Mr. Nilesh Gedam**

**Mechanical Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Minor Patentable Project

Dear Mr. Nilesh Gedam

We are pleased to inform you that your proposal titled **Multistation Power Generation by VAWT** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 20,000/-**

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

Dr. Nita Rehpade  
Assistant Dean, IPR  
Division

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwalla Gawande  
Dean, R and D

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

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Research and Development Cell

YCCE/R and D Cell/2023-24/ 673

Date: 10 October 2023

To

**Mr. J. N. Dehankar**

**Computer Science and Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of **Innovative UG PG Project**

Dear Mr. J. N. Dehankar

We are pleased to inform you that your proposal titled **Food Cold Storage Monitoring and analysis System** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 20,000/-**

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

Dr. Yogita Chitriv  
Assistant Dean, Funding  
Proposal

Dr. Ujwala Gawande  
Dean, R and D

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

Copy To

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- A/C Section, YCCE





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Research and Development Cell

YCCE/R and D Cell/2023-24/ 674

Date: 10 October 2023

To

**Dr. Girish Thote**

**Mechanical Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of **Minor Research and Product Development**

Dear Dr. Girish Thote

We are pleased to inform you that your proposal titled **Study and Development of Rapid Thyroid, Testing Machine for efficient and accurate diagnosis of Hypothermia/underactive thyroid** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 40,000/-**

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

Dr. Yogita Chitriv  
Assistant Dean, Funding  
Proposal

Dr. Ujwalla Gawande  
Dean, R and D

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

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- A/C Section, YCCE







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## Research and Development Cell

YCCE/R and D Cell/2023-24/ 675

Date: 10 October 2023

To

**Mrs. Megha Sawangikar**

**Applied Chemistry**

Subject: Approval of Proposal submitted under In-House Scheme of **Minor Research and Product Development**

Dear Mrs. Megha Sawangikar

We are pleased to inform you that your proposal titled **Investigation of Soil Carbon in Agriculture land and suggest the appropriate solution of its improvement** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 40,000/-**

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

Dr. Yogita Chitriv  
Assistant Dean, Funding  
Proposal

Dr. Ujwalla Gawande  
Dean, R and D

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

Copy To

- HoD, Department of **Applied Chemistry**, YCCE
- A/C Section, YCCE





Nagar Yuwak Shikshan Sanstha's

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## Research and Development Cell

YCCE/R and D Cell/2023-24/ 676

Date: 10 October 2023

To

**Mrs. S. L. Tiwari**

**Electrical Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of Innovative Minor Patentable Project

Dear Mrs. S. L. Tiwari

We are pleased to inform you that your proposal titled **Improved Wireless Electric Vehicle Charging System** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 20,000/-**

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

Dr. Nita Rehpade  
Assistant Dean, IPR  
Division

Dr. Yogita Chitriv  
Assistant Dean,  
Funding Proposal

Dr. Ujwala Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

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

Copy To

- HoD, Department of **Electrical Engineering**, YCCE
- A/C Section, YCCE







Nagar Yuwak Shikshan Sanstha's

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## Research and Development Cell

YCCE/R and D Cell/2023-24/910

Date: 06 December 2023

To

**Mrs. S. K. Mohod**

**Electrical Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of **Innovative Minor Patentable Project**

Dear Mrs. S. K. Mohod

We are pleased to inform you that your proposal titled **Refrigerant Base Air Cooler** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 18,500/-**

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

Dr. Nita Rehpade  
Assistant Dean,  
IPR Division

Dr. Yogita Chitriv  
Assistant Dean, Funding  
Proposal Division

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

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

Copy To

- HoD, Department of **Electrical Engineering**, YCCE
- A/C Section, YCCE





Nagar Yuwak Shikshan Sanstha's

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## Research and Development Cell

YCCE/R and D Cell/2023-24/911

Date: 06 December 2023

To

**Mr. Roshan Bhanuse**

**Computer Technology**

Subject: Approval of Proposal submitted under In-House Scheme of **Innovative Minor Patentable Project**

Dear Mr. Roshan Bhanuse

We are pleased to inform you that your proposal titled **Adaptive ML Model for Drowsiness Detection using Developed ML Model Based on Created Dataset** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 11,500/-**

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

Dr. Nita Rehpade  
Assistant Dean,  
IPR Division

Dr. Yogita Chitriv  
Assistant Dean, Funding  
Proposal Division

Dr. Ujwalla Gawande  
Dean, R and D

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

Copy To

- HoD, Department of **Computer Technology**, YCCE
- A/C Section, YCCE







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## Research and Development Cell

YCCE/R and D Cell/2023-24/912

Date: 06 December 2023

To

**Mr. Aniket Munshi**

**Electrical Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of **Innovative Minor Patentable Project**

Dear Mr. Aniket Munshi

We are pleased to inform you that your proposal titled **Solar Based Running Zebra Crossing System** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 14,890/-**

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

Dr. Nita Rehpade  
Assistant Dean,  
IPR Division

Dr. Yogita Chitriv  
Assistant Dean, Funding  
Proposal Division

Dr. Ujwalla Gawande  
Dean, R and D

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

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- A/C Section, YCCE





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# Yeshwantrao Chavan College of Engineering

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## Research and Development Cell

YCCE/R and D Cell/2023-24/913

Date: 06 December 2023

To

**Mr. Rohan Khonde**

**Electrical Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of **Innovative Minor Patentable Project**

Dear Mr. Rohan Khonde

We are pleased to inform you that your proposal titled **Surface Solar Bricks** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 18,750/-**

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

Dr. Nita Rehpade  
Assistant Dean,  
IPR Division

Dr. Yogita Chitriv  
Assistant Dean, Funding  
Proposal Division

Dr. Ujwalla Gawande  
Dean, R and D

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

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- A/C Section, YCCE







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## Research and Development Cell

YCCE/R and D Cell/2023-24/314

Date: 06 December 2023

To

**Mr. Yogesh Kale**

**Electronics and Telecommunication**

Subject: Approval of Proposal submitted under In-House Scheme of **Innovative Minor Patentable Project**

Dear Mr. Yogesh Kale

We are pleased to inform you that your proposal titled **Multiple Output Voltage Current Supply** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 12,932/-**

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

Dr. Nita Rehpade  
Assistant Dean,  
IPR Division

Dr. Yogita Chitriv  
Assistant Dean, Funding  
Proposal Division

Dr. Ujwalla Gawande  
Dean, R and D

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

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Nagar Yuwak Shikshan Sanstha's

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## Research and Development Cell

YCCE/R and D Cell/2023-24/915

Date: 06 December 2023

To

**Mr. Vaibhav R. Doifode**

**Electrical Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of **Innovative UG PG Project**

Dear Mr. Vaibhav R. Doifode

We are pleased to inform you that your proposal titled **Solar Powered Smart Refrigerator** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 24,650/-**

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

Dr. Yogita Chitriv  
Assistant Dean, Funding  
Proposal Division

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

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

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- A/C Section, YCCE







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## Research and Development Cell

YCCE/R and D Cell/2023-24/916

Date: 06 December 2023

To

**Dr. Boskey Bahoria**

**Civil Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of **Innovative UG PG Project**

Dear Dr. Boskey Bahoria

We are pleased to inform you that your proposal titled **Investigation of Acoustic Material for the Design and Development of Sound Absorbing Bricks** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 25,000/-**

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

Dr. Yogita Chitriv  
Assistant Dean, Funding  
Proposal Division

Dr. Ujwalla Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

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

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## Research and Development Cell

YCCE/R and D Cell/2023-24/917

Date: 06 December 2023

To

**Dr. Jayant M. Raut**

**Civil Engineering**

Subject: Approval of Proposal submitted under In-House Scheme of **Minor Research and Product Development**

Dear Dr. Jayant M. Raut

We are pleased to inform you that your proposal titled **Dual Stage Drilling Mechanism for Construction of Pile Foundation** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 53,000/-**

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

Dr. Yogita Chitriv  
Assistant Dean, Funding  
Proposal Division

Dr. Ujwalla Gawande  
Dean, R and D

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

Copy To

- HoD, Department of **Civil 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/2023-24/ 919

Date: 06 December 2023

To

**Mr. Fazil Sheikh**

**Computer Science and Engineering**

Subject: Approval of proposal submitted under In-House Scheme of **Minor Research and Product Development**

Dear Mr. Fazil Sheikh

We are pleased to inform you that your proposal titled **A Smart Safety Jacket for Bikers** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 32,778/-**

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

Dr. Yogita Chitriv  
Assistant Dean, Funding  
Proposal Division

Dr. Ujwala Gawande  
Dean, R and D

Dr. U. P. Waghe  
Principal

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

Copy To

- HoD, Department of Computer Science and Engineering, YCCE
- A/C Section, YCCE



# Yeshwantrao Chavan College of Engineering

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

## Cost Centre: Electronics & Telecomm. [ E & T ]

Under Ledger: Student Project Expenses

1-Sep-2023 to 31-Mar-2024 \*

Page 1  
Credit

Date	Particulars	Vch Type	Vch No	Debit
20-9-2023	Cr (as per details)	JOURNAL_	YCCE/ JV- 853	19,845.00
	Student Project Expenses	19,845.00 Dr		
	<b>Ghute Minal S.</b>	19,845.00 Cr		
	<i>being Expenses submitted by Dept of E &amp; T Student - Project Name-IoT Based Pet Daycare Robot- Student Name-Shreyas Deshpande, Abhishek Sondawle, Mayur Deshmukh &amp; Swaraj Bhalerao/ 4 No.s Student</i>			
	Cr (as per details)	JOURNAL_	YCCE/ JV- 854	18,336.00
	Student Project Expenses	18,336.00 Dr		
	<b>Niranjane Vaishali</b>	18,336.00 Cr		
	<i>being Expenses submitted by Dept of E &amp; T Student - Project Name-Canal Water data monitoring and controlling sysytem- Shivam Patil &amp; Manish Bhosale &amp; Trushant Dharpure Rutik Pawar- 4 Nos student</i>			
	Cr (as per details)	JOURNAL_	YCCE/ JV- 855	14,514.00
	Student Project Expenses	14,514.00 Dr		
	<b>Pande N. A.</b>	14,514.00 Cr		
	<i>being Expenses submitted by Dept of E &amp; T Student - Project Name-Voice Controller Elevator with solar Backup and SoS messanging-Shubhankar Gupta &amp; Vaishnavi Jadhav &amp; Janhavi Chikhalkar &amp; Riya Wagmare - 4 Nos Students</i>			
	Cr (as per details)	JOURNAL_	YCCE/ JV- 856	6,333.00
	Student Project Expenses	6,333.00 Dr		
	<b>Dorge Prabhakar</b>	6,333.00 Cr		
	<i>being Expenses submitted by Dept of E &amp; T Student - Project Name-Smart Shoe for human fall detection and prevention- Dhanshri Nasre &amp; Priya Sawarkar &amp; Vrushali Talkhande &amp; Harshita Nedunuri- 4 Nos Student</i>			
	Cr (as per details)	JOURNAL_	YCCE/ JV- 857	3,646.00
	Student Project Expenses	3,646.00 Dr		
	<b>MASRAM BHARATI</b>	3,646.00 Cr		
	<i>being Expenses submitted by Dept of E &amp; T Student - Project Name-Overloading detection in transport Vehicles- Aakansha Nimje &amp; Arnita Raut &amp; Neha Mehatre &amp; Sayli Humane-4 Nos Student</i>			
	Cr (as per details)	JOURNAL_	YCCE/ JV- 858	21,851.00
	Student Project Expenses	21,851.00 Dr		
	<b>Thote Dhiraj K</b>	21,851.00 Cr		
	<i>being Expenses submitted by Dept of E &amp; T Student - Project Name-MEMS Gesture controlled Robot- Nandini Farkade &amp; Vedant Khobragade &amp; Mehul Mahakalkar &amp; Shubhangi Tayade- 4 nos of Students</i>			

Date	Particulars	Vch Type	Vch No.	Debit	Credit
	Brought Forward			84,525.00	
20-9-2023	Cr Student Project Expenses <i>being Expenses submitted by Dept of E &amp; T Student - Project Name-Developing a sliding gate using CV &amp; ML Technologies- Utkarsh Dafe &amp; Pranav Sawarkar &amp; Manu Varghese &amp; Nandini Sakhare- 4 nos of Students</i>	JOURNAL_	YCCE/ JV- 859	13,819.00	
	Cr (as per details) Student Project Expenses Dubey Y. K./ Chitriv	JOURNAL_ 9,866.00 Dr 9,866.00 Cr	YCCE/ JV- 860	9,866.00	
	<i>being Expenses submitted by Dept of E &amp; T Student - Project NameFootprint Count using face Recognition- Samruddhi Uplapwar &amp; Nikita Parate &amp; Saloni Giratkar &amp; Yashaswi Rewatkar-4 nos of Student</i>				
	Cr (as per details) Student Project Expenses Dubey Y. K./ Chitriv	JOURNAL_ 8,260.00 Dr 8,260.00 Cr	YCCE/ JV- 861	8,260.00	
	<i>being Expenses submitted by Dept of E &amp; T Student - Project Name-Android App for heart disease Prediction using ML- Sukhada Ajmire &amp; Vedika Mathurkar &amp; Sayalee Ambulkar &amp; Chinmayee Didolkar- 4 nos of Students</i>				
	Cr (as per details) Student Project Expenses Madankar A A	JOURNAL_ 12,579.00 Dr 12,579.00 Cr	YCCE/ JV- 862	12,579.00	
	<i>being Expenses submitted by Dept of E &amp; T Student - Project Name-Electronics Midi Pad- Shreyas Kothiwari &amp; Rohit Rahangdale &amp; Ishani Zoting &amp; Mansi Madan- 4 nos of Students</i>				
	Cr (as per details) Student Project Expenses Madankar A A	JOURNAL_ 12,108.00 Dr 12,108.00 Cr	YCCE/ JV- 863	12,108.00	
	<i>being Expenses submitted by Dept of E &amp; T Student - Project Name-Vata dosh detection- Sainath Gunde &amp; Vibha Bopche &amp; Leenal Nikhare &amp; Payal Parate- 4 nos of Students</i>				
16-3-2024	Dr Student Project Expenses <i>Received from Minal Ghute Being ch received as per DFC counter No. c -12 dtd 16.03.2024</i>	Bank Receipt	YCCE/BR/ 1305		19,845.00
	Dr Closing Balance			1,41,157.00	19,845.00
				<u>1,41,157.00</u>	<u>1,41,157.00</u>



# Yeshwantrao Chavan College of Engineering

Hingna Road Wanadongri,  
NAGPUR - 441110

## Cost Centre: Civil Department [ C E ]

Under Ledger: Student Project Expenses

1-Apr-2023 to 31-Mar-2024

Page 1  
Credit

Date	Particulars	Vch Type	Vch No.	Debit	Credit
14-8-2023	Cr (as per details)	JOURNAL_	YCCE/ JV- 657	2,300.00	
	Student Project Expenses	2,300.00 Dr			
	<b>Nandurkar Bhupesh</b>	2,300.00 Cr			
	6 nos				
	<i>"being amount of Project Expenses submitted by Dept of Civil [Rs. 2300/- Topics-Light Weight Concrete using EPS Beads- Student Name -Sejal Nagpure, Sneha Sonawane, Srushti Balki, Rushikesh Bhubatwar, Rohit Singanjude &amp; Swaraj Naware- 6 Nos]</i>				
	Cr (as per details)	JOURNAL_	YCCE/ JV- 658	24,569.00	
	Student Project Expenses	24,569.00 Dr			
	<b>Bhagat Madhuri S</b>	8,677.00 Cr			
	6 nos				
	<b>Bhagat Madhuri S</b>	15,892.00 Cr			
	6 nos				
	<i>being amount of Project Expenses submitted by Dept of Civil [Rs.8677/- Topics-Design &amp; Development of a Water Conservation Model -Student Name - Ritika Thakur , Smaruddhi Moundekar , Soundaryya Meshram, &amp; Nishan Joseph, Shubhamk Tonge &amp; Tanmay Kawekar &amp; Rs.15892/- Topics-Design and Development of a Solid Waste Recycling Model and Bumer Student Name- Komal Talmale, Shital Gotefode, Kalpak Dongre, Krishna Harinkhede, Swapnil Bhujade &amp; Nikhil Badwaik</i>				
	Cr (as per details)	JOURNAL_	YCCE/ JV- 659	36,160.00	
	Student Project Expenses	36,160.00 Dr			
	<b>Raut Sanjay Padmakar</b>	15,762.00 Cr			
	Raut Sanjay Padmakar	20,398.00 Cr			
	<i>"being amount of Project Expenses submitted by Dept of Civil [Rs.15762/- Topics- Development of Concrete panel Using TextileEffuent Studge-Student Name -Ashitosh Mishra, Nikhl kate, Vikas Madke, Swapnil Debre, , Darshana Ingale, - 6nos &amp; Rs. 20398 /- Topics-Development of Sustainable Bricks using Textile Effuent Studge- Student Name-Atharva Shahade, Shardul Naidu, Siddeesh Kulkami- 3 Nos</i>				

Carried Over

63,029.00

continued ...

Date	Particulars	Vch Type	Vch No.	Debit	Credit
	Brought Forward			63,029.00	
14-8-2023	Cr (as per details)	JOURNAL_	YCCE/ JV- 600	15,727.00	
	Student Project Expenses	15,727.00 Dr			
	Mendhe Vaishali N	15,727.00 Cr			
	<i>being amount of Project Expenses submitted by Dept of Civil [Rs.15727/- Topics- to Study the Flexural Strength and Compressive Strength of Bamboo Fiber, Steel Fiber, Limestone, and Hybrid Composite -Student Name --Ayush kanekar, Samin Dahikar, Sanket Khadse, Sudhansh Wasade, &amp; Swamin Ghadse] 5 nos]</i>				
	Cr (as per details)	JOURNAL_	YCCE/ JV- 661	19,433.00	
	Student Project Expenses	19,433.00 Dr			
	Waghmare Charuta S	19,433.00 Cr			
	<i>being amount of Project Expenses submitted by Dept of Civil [Rs.19433/- Topics- Performance Evaluation of Pomegranate Peel Bio Adsorbent for Removal of Dye from Aqueous Solution-Student Name -[Sanskruiti Lohakare, Sejal Wagh, Vrushali Sowkuwar, Ankit Aghav, Gaurav Sarkar, Hardki Shendre 6 nos]</i>				
	Cr (as per details)	JOURNAL_	YCCE/ JV- 662	6,461.00	
	Student Project Expenses	6,461.00 Dr			
	ANSARI KHALID SHAMIM	6,461.00 Cr			
	<i>being amount of Project Expenses submitted by Dept of Civil [Rs.6461/- Topics-Experimental Study on Composing of tea waster, and its optimization by Taguchi method-Student Name-Rutuj Jivlode, Ashwini Kakade, Chahul Danao, Mrunal Bobde, Sanket Sondawale &amp; Sohel Khan- 6 nos]</i>				
	Cr (as per details)	JOURNAL_	YCCE/ JV- 663	15,830.00	
	Student Project Expenses	15,830.00 Dr			
	Raut Jayant M	15,830.00 Cr			
	<i>being amount of Project Expenses submitted by Dept of Civil [Rs.15830/- Topics-Effect of Variation in Rainfall, Intensity of slope Stability in India-Student Name-Sejal Dhanvijay, Amav Kumar, Aryan Kumar, Kailash dharmik, Saurabh Channe, Aman Mahant- 6 nos]</i>				
	Cr (as per details)	JOURNAL_	YCCE/ JV- 664	16,050.00	
	Student Project Expenses	16,050.00 Dr			
	Agrawal Dhiraj G	16,050.00 Cr			
	<i>being amount of Project Expenses submitted by Dept of Civil [Rs.-16050/- Topics-Investigation of Durability of Ruberized Concrete-Student Name-Aman Mahant, Abhishek Rathod, Aniket Khobragade, Harshal Uparwat, kapil Zode &amp; Sanajy Sagar &amp; Prashik Valdyia 6 nos]</i>				
	Carried Over				1,36,530.00

continued ...



Date	Particulars	Vch Type	Vch No.	Debit	Credit
	Brought Forward			1,36,530.00	
14-8-2023	Cr (as per details)	JOURNAL_	YCCE/ JV- 665	2,340.00	
	Student Project Expenses	2,340.00 Dr			
	Hinge Pawan	2,340.00 Cr			
	<i>being amount of Project Expenses submitted by Dept of Civil [Rs.-2340/- Topics-Experimental Investigationon Use of Elecronics Waste in high Strength Concrete-Student Name-Avanti Patre, Gajal vuirulkar, Samikha Dahule, Roshan Kolhe Samyak Chandankhede-5 nos]</i>				
	Cr (as per details)	JOURNAL_	YCCE/ JV- 666	39,749.00	
	Student Project Expenses	39,749.00 Dr			
	Meshram Sangita S	39,749.00 Cr			
	<i>being amount of Project Expenses submitted by Dept of Civil [Rs.-39749/-- Topics-Development and Small Scale, Model House using Cupola Stag-Student Name- -Viplao Gharade, Prasad Bhogekar, Rudeprakash Khandere,Samyak Pusare, Soham Banshpal &amp; Yogesh Kosare-6 nos]</i>				
	Cr (as per details)	JOURNAL_	YCCE/ JV- 667	21,191.00	
	Student Project Expenses	21,191.00 Dr			
	Pande Prashant B.	16,191.00 Cr			
	Pande Prashant B.	5,000.00 Cr			
	<i>being amount of Project Expenses submitted by Dept of Civil [Rs.-16191/- Topics-Casting and analysis of Brick by using Foam Agent and Adhesive Cement -Student Name-Anchal Shirke, kasif Patel, Sahrood Pathan, Amer Shaikh, Vaishanvani Tonge, Shabab Pathan-6 nos &amp; Topics- Casting and Analysis of Hollow Fly Ash Bricks- Name of the Students- Jagdish Anchal Chinmay Chitanwar, Jay Bhore, Omakr Potdar, Pragag Bhave, Deepali Dhage-6 nos]</i>				
	Cr (as per details)	JOURNAL_	YCCE/ JV- 668	12,740.00	
	Student Project Expenses	12,740.00 Dr			
	Kurzekar Atual S	12,740.00 Cr			
	<i>being amount of Project Expenses submitted by Dept of Civil [Rs.12740/- Topics-An Experinmental Investigation on Artificial Aggregate Concrete- Student Name -Aishware Bobade, Nikita Chaware, Shravani Danav, Abhinav Thakare, Abhishek Shelke &amp; Chaitanya Kakde- 6 nos ]</i>				
	Carried Over			2,12,550.00	

continued ...



Date	Particulars	Vch Type	Vch No.	Debit	Credit
	Brought Forward			2,12,550.00	
14-8-2023	Cr (as per details)	JOURNAL_	YCCE/ JV- 669	30,449.00	
	Student Project Expenses	30,449.00 Dr			
	Chakole Pallavi S.	14,849.00 Cr			
	Chakole Pallavi S.	15,600.00 Cr			
	<i>being amount of Project Expenses submitted by Dept of Civil [Rs.-14849/- Topics-comparative Study of Rotating Biological Contactor for Treatment of Wasterwater using Different Midias-Student Name -Khsuhi Pawar, nadshri ladke, Jandardhan Purva, Abhimanyu Bhanot, Nishan Badly, Prajwal Jikate, -6 nos &amp; Rs, 15600/-Topics-Treat of Dairy Wastewater by Rotating Biological Contractor - Students Name-Hittul Vaidya , Bhisahn Dhoble, Pranay Shankar, Rushikesh Ghime, Shival Dakhale &amp; Shreyas Joshi-6 nos]</i>				
	Cr (as per details)	JOURNAL_	YCCE/ JV- 670	8,518.00	
	Student Project Expenses	8,518.00 Dr			
	Kamble Snehal K	8,518.00 Cr			
	<i>being amount of Project Expenses submitted by Dept of Civil [Rs.8518/- Topics-Comparative Study of Physicochemical Properties of Sewage Studge form Sewage Treatment plant- Student Name -Aman kadbe, paunikar amol, Govind Sharma, Samayak Gaidwad, Saurabhi Chawane, Saurabh Bhone- 6 nos]</i>				
	Cr (as per details)	JOURNAL_	YCCE/ JV- 671	11,800.00	
	Student Project Expenses	11,800.00 Dr			
	Kalamkar Sanket G	11,800.00 Cr			
	<i>being amount of Project Expenses submitted by Dept of Civil [Rs.11800- Topics- Development of Previous ConcreteUsing Industrial Waser to Enhance Water Quality- Student name- Anjali Gabhane, Dhanashree Sawarkar, Sejal bhoyar, Rohit Sahu, Rutuj Khawas &amp; Siddhey Phatkar-6 nos]</i>				
	Cr (as per details)	JOURNAL_	YCCE/ JV- 672	5,310.00	
	Student Project Expenses	5,310.00 Dr			
	WAGH Monali R	5,310.00 Cr			
	<i>being amount of Project Expenses submitted by Dept of Civil [Rs.5310/- Topics- Study on Self Compacting Concreteusing bagasse Ash,Melakoalin and glass Fiber- Student name-Dilip Kartik, Abshiek Chavan , Mahesh bhinge, Shreyas Goswami &amp; Vrushabh Mohod &amp; RAMteke Paras-6 nos]</i>				
				2,68,627.00	
Dr	Closing Balance				2,68,627.00
				2,68,627.00	2,68,627.00

# Yeshwantrao Chavan College of Engineering

Hingna Road Wanadongri,

N A G P U R - 441110

## Cost Centre: Electronics Engg.[ E E ]

Under Ledger: Student Project Expenses

1-Apr-2023 to 31-Mar-2024

Page 1

Date	Particulars	Vch Type	Vch No.	Debit	Credit
28-6-2023	<b>Cr (as per details)</b> <b>Student Project Expenses</b> 4,354.00 Dr <b>Palsodkar Prachi P.</b> 4,354.00 Cr <i>being amount of Project Expense submitted by Student for Topic- Streetlight Energy Conservation and Line following Car[ [Robo Studio- 142-11.07.2022- Rs. 227.40/- &amp; 270-27.10.22-Rs.944/- &amp; 376-26.12.2022-Rs. 1132.80/- [ Atharva Kulkarni, Dhanshree Joshi, Amish kale &amp; Madhav Tejpal &amp; Sakshi Nagdive- 5 nos.]</i>	JOURNAL_	YCCE/ JV- 418	4,354.00	
	<b>Cr (as per details)</b> <b>Student Project Expenses</b> 29,971.00 Dr <b>Panse T G</b> 29,971.00 Cr <i>being amount of Project Expense submitted by Student for Topic- Fire Extinguisher Drone[navdurga Electrical &amp; Rewinding Works -Inv No. 069-dt. 02.08.2022 for Rs. 1140/- &amp; Amazon .in Inv No. DEL4-41130-16.07.2022 for Rs. 358/- Robu.In-Tax Inv No.. Inv2223 /60630-17.07.2022 for Rs. 2929/- &amp; Yuvraj Global Traders-Inv No. 0567-27.07.22-R. 3200/- &amp; Robu.In-Tax Inv No. Inv2223 /146381-20.12.2022-Rs. 7013/- &amp; Robu.In-Inv No. Inv2223/59848-15.07.2022-Rs. 15331/- &amp; [Bhushan Sable, Shreyas Tarudkar, Harshada Thakare, Ankit Nagdeote &amp; Tarkeshwar Satdeve- 5 nos.]</i>	JOURNAL_	YCCE/ JV- 419	29,971.00	
	<b>Cr (as per details)</b> <b>Student Project Expenses</b> 4,593.00 Dr <b>Tijare Ankita</b> 4,593.00 Cr <i>being amount of Project Expense submitted by Student for Topic- Soldier Robot[Robu In -Tax Inv No. 2223/62970-20.07.2022-Rs. 2624/- &amp; ElectronicsComp.com- Inv No. Inv -22-23/45827-21.07.2022-Rs. 1969.42/- [Yash Parate, Mohit chandekar, Runal Yerpude, Amar Nankani &amp; Ankita Dongre- 5 nos.]</i>	JOURNAL_	YCCE/ JV- 420	4,593.00	
	Carried Over				38,918.00

Date	Particulars	Vch Type	Vch No.	Debit	Credit
	Brought Forward			38,918.00	
28-6-2023	Cr (as per details)	JOURNAL_	YCCE/ JV- 421	7,181.00	
	Student Project Expenses			7,181.00 Dr	
	Gaidhani Y. A.			7,181.00 Cr	
	<i>being amount of Project Expense submitted by Student for Topic- Data Transmission using Li-Fi- Technology [Engineers lab-Tax Inv NO. FE-01-14.03.2023 [ Gauri Dambhare, Riya Singh, Ajay Khot, Tushar Waghamare- 4 nos.]</i>				
	Cr (as per details)	JOURNAL_	YCCE/ JV- 422	9,358.00	
	Student Project Expenses			9,358.00 Dr	
	Pande K. G.			9,358.00 Cr	
	<i>being amount of Project Expense submitted by Student for Topic- Zigbee Based Controlling and Monitoring Systems[Engineers lab-Tax Inv NO. FE-01-25.02.2023 [ Shruti Joshi, Dhiraj Dave, shrutika Paunikar &amp; Mayant Raut- 4 nos.]</i>				
	Cr (as per details)	JOURNAL_	YCCE/ JV- 423	3,080.00	
	Student Project Expenses			3,080.00 Dr	
	Thakare R D			3,080.00 Cr	
	<i>being amount of Project Expense submitted by Student for Topic- IOT Based Monitoring of Fruit Freshness using Arduino Uno[Engineers lab-Tax Inv No. 003-16.01.2023 for Rs. 2780/- &amp; 007-16.01.2023 for Rs. 300/- [ Soham katae, Hitesh Meshram Dip Paliwal, Shreyas Suryawanshi &amp; Rushbh HUmane- 5 nos.]</i>				
				58,537.00	
Dr	Closing Balance				58,537.00
				<b>58,537.00</b>	<b>58,537.00</b>





Nagar Yuwak Shikshan Sanstha's  
**Yeshwantrao Chavan College of Engineering**  
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

(Accredited 'A' Grade by NAAC)  
Hingna Road, Wanadongri, Nagpur - 441 110

**DEPARTMENT OF MECHANICAL ENGINEERING (Project: 2022-23)**

**NOTE**

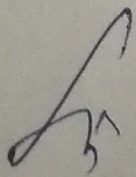
DATE:12-07-2024

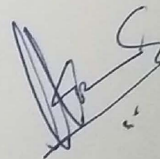
**SUBJECT:** Sanction of Expenditure regarding UG project for session 2023-24.

The following is the Expenditure incurred for completion of UG project for the session 2023-24.

SR.	PROJECT GUIDE	TITLE OF THE PROJECTS	TOTAL BILL AMOUNT
1	Prof. V. M. Korde	Investigation of Drying curve of pearl millet, sorghum & green peas using fluidized bed dryer	10176
2	Prof. R. V. Adakane	Design of fabrication of automatic Cercals Weighing & Packaging Machine.	41475.00
3	Prof. R. V. Adakane	Automated Comnod Cleaning System	16026.00
		<b>Total</b>	<b>67677.00</b>

FOR NA  
GOURNA  
02-08  
AL

  
(Dr. J. P. Giri)  
HOD ME

  
(V. M. KORDE)  
Co-Ordinator

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

# **IOT based Pet Daycare Robot**

*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 Electronics & Telecommunication Engineering**

*By*

**Shreyas Deshpande  
Abhishek Sondavle  
Mayur Deshmukh  
Swaraj Bhalerao**

*Under the guidance of*

**Prof. M.S. Ghute**



**Department of Electronics & Telecommunication Engineering**

Nagar Yuwak Shikshan Sanstha's

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

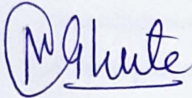
**NAGPUR – 441110**

**2022-23**



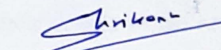
## CERTIFICATE OF APPROVAL

This is to Certify that the project report entitled "IOT Based Pet Daycare Robot" has been successfully completed by **Shreyas Deshpande, Abhishek Sondavle, Swaraj Bhalerao, Mayur Deshmukh** under the guidance of **Prof. M.S. Ghute** in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Electronics & Telecommunication Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



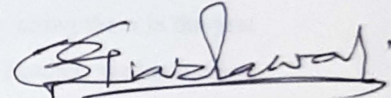
Signature

**Prof. Minal S. Ghute**  
**Project Guide**



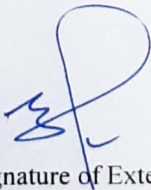
Signature

**Mr. Shrikant Bhandarkar**  
**Electus Technologies**



Signature

**Dr. M.S. Narlawar**  
**HOD ET Dept**



Signature of External Examiner

Name:- **S.A. Bogal**

Date of Examination:

# **Canal Water Data Monitoring and Controlling System.**

*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 Electronics & Telecommunication  
Engineering**

*by*

**Mr. Shivam Devanand Patil.  
Mr. Trushant Vinayak Dharpure.  
Mr. Manish Dnyoba Bhosle.  
Mr. Rutik Murlidhar Pawar.**

*Under the guidance of*

**Prof. Vaishali Niranjane.**



**DEPARTMENT OF Electronics & Telecommunication 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**  
**2022-2023**

## CERTIFICATE OF APPROVAL

This is to Certify that the project report entitled “Canal Water Data Monitoring and Controlling System.” has been successfully completed by **Shivam Patil, Trushant Dharpure, Manish Bhosle, Rutik Pawar** under the guidance of **Prof. Vaishali Niranjane** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electronics & Telecommunication Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



**Prof. V. B. Niranjane**  
**Project Guide**



**Mr. Pravin Zod**  
**Project Co guide**



**Dr. M. S. Narlawar**  
**HoD, ET Dept.**



Signature of External Examiner

Name: **Dr Bharati B. Sayankar**

Date of Examination: **06/06/2023**



# Voice Controlled Elevator with Solar Backup and SOS Messaging

*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*

**Bachelor of Engineering in Electronics & Telecommunication  
Engineering**

*By*

**Shubhankar Guha  
Janhavi Chikhalkar  
Vaishnavi Jadhav  
Riya Waghmare**

*Under the guidance of*

**Prof. Nivedita Pande**



**DEPARTMENT OF Electronics & Telecommunication 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**

**2022-2023**

## CERTIFICATE OF APPROVAL

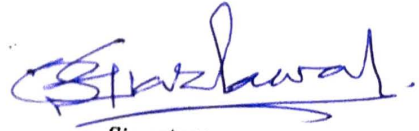
This is to Certify that the project report entitled “**Voice Controlled Elevator with Solar Backup and SOS Messaging**” has been successfully completed by **Janhavi Chikhalkar, Riya Waghmare, Vaishnavi Jadhav and Shubhankar Guha** under the guidance of **Prof. Nivedita Pande** in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Electronics & Telecommunication Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**.



*Signature*

**Prof. Nivedita Pande**

**Project Guide**



*Signature*

**Dr. M. S. Narlawar**

**HOD ET Dept**



**Signature of External Examiner**

**Name: -**

**Date of Examination:**

# **Smart Shoe for Human Fall Detection and Prevention**

*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 Electronics & Telecommunication Engineering**

*by*

**Dhanshri Narse**

**Harshita Nedunuri**

**Priya Sawarkar**

**Vrushali Talkhande**

*Under the guidance of*

**Dr. Prabhakar D. Dorge**

**Dr. Kiran Pettewar**  
**Dhanwantari Clinic, Nagpur**



**DEPARTMENT OF Electronics & Telecommunication 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**

**2022-2023**



## CERTIFICATE OF APPROVAL

This is to Certify that the project report entitled “**Smart Shoe for Human Fall detection and Prevention**” has been successfully completed by **Dhanshri Narse, Harshita Nedunuri, Priya Sawarkar and Vrushali Talkhande** under the guidance of **Dr. Prabhakar D. Dorge** and **Dr. Kiran Pettewar** in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Electronics & Telecommunication Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



Dr. P. D. Dorge  
(Guide)



Dr. Kiran Pettewar  
(Co-Guide)



Dr. M. S. Narlawar  
(HoD, ET Dept.)



Signature of External Examiner:

Name: **Dr. A.C. Kailuke**

Date of Examination: **06/06/2023**

# Overloading Detection in Transport Vehicles

*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 Electronics & Telecommunication  
Engineering**

*by*

**Aakansha Nimje**

**Arpita Raut**

**Neha Mehatre**

**Sayli Humane**

*Under the guidance of*

**Dr. B. Y. Masram**



**DEPARTMENT OF Electronics & Telecommunication 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**

**2022-2023**

Page 68 of 331

## CERTIFICATE OF APPROVAL

This is to Certify that the project report entitled "Overloading Detection in Transport Vehicles" has been successfully completed by Aakansha Nimje, Arpita Raut, Neha Mehatre, Sayli Humane under the guidance of Dr. Bharati Y. Masram in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Electronics & Telecommunication Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University).



Dr. B. Y. Masram  
(Guide)



Mr. Kiran Shinde (RTO Officer)  
(Co-Guide)



Dr. M. S. Narlawar  
(HoD, ETDept.)

Signature of External Examiner



Name:- Dr. P. D. Khondait

Date of Examination: 05/01/23



# ELECTRONIC NOSE - FOR INDUSTRIAL SAFETY

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 Electronics &  
Telecommunication Engineering

*by*

Unnati Singh , Anagha Kalejwar, Renuka Bhingare, Rujuta Baxy

*Under the guidance of*

**Prof. Dhiraj Thote**



DEPARTMENT OF Electronics & Telecommunication  
Engineering

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF  
ENGINEERING,

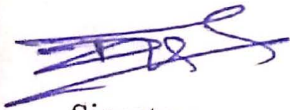
(An autonomous institution affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur)

NAGPUR – 441 110

2022-2023

## Certificate Of Approval

This is to Certify that the project report entitled "Electronic Nose - For Industrial Safety" has been successfully completed by **Unnati Singh, Anagha Kalejwar, Renuka Bhingare, Rujuta Baxy** under the guidance of **Prof. Dhiraj Thote** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electronics & Telecommunication Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



Signature

**Prof. D.K.Thote**

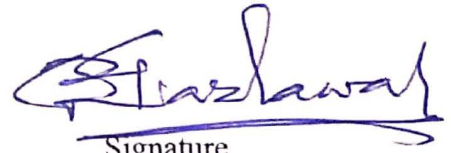
(Guide)



Signature

Mr. Anand Patil

(Co Guide/Industry Person )



Signature

Dr.M.S.Narlawar

(HOD, ET Dept.)



Signature of External Examiner

Name:-

D. N. S. Aurbakh

Date of Examination:

# **AUTOMATIC WASTE SEGREGATOR AND MONITORING SYSTEM**

*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  
Bachelor of Engineering in Electronics & Telecommunication Engineering*

*of*

**Bachelor of Engineering in Electronics & Telecommunication  
Engineering**

*by*

**Prarthi Manish Joshi  
Ayushi Prashant Dharmik  
Sayali Sunil Wade**

*Under the guidance of*

**Prof. D. K. Thote**



**Department of Electronics & Telecommunication 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**

**2022-23**



## CERTIFICATE OF APPROVAL

This is to Certify that the project report entitled "Automatic Waste Segregator and Monitoring System" has been successfully completed by Prarthi Manish Joshi, Ayushi Prashant Dharmik and Sayali Sunil Wade under the guidance of Prof. D. K. Thote in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electronics & Telecommunication Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



Signature

**Prof. D. K. Thote**

(Guide)



Signature

**Dr. Gajendra Mahalle**

(Co Guide)



Signature

**Dr. M. S. Narlawar**

(HoD, ET Dept.)



Signature of External Examiner

Name:- **Dr. N. S. Ambath**

Date of Examination: **27/05/2023**

# DEPLOYING A SLIDING GATE BY UTILIZING COMPUTER VISION AND MACHINE LEARNING TECHNIQUES

*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 Electronics and Telecommunication Engineering**

*By*

**Utkarsh Dafe  
Nandini Sakhare  
Manu Varghese  
Pranav Sawarkar**

*Under the guidance of*

**Prof. Yogesh Kale (Guide)**

**Prof. Devendra Shahare (Co-guide)**



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

**Nagar Yuwak Shikshan Saustha's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

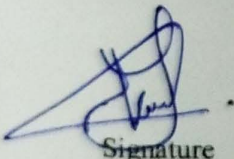
**(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)**

**NAGPUR – 441 110**

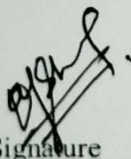
**2022-23**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled "DEPLOYING A SLIDING GATE BY UTILIZING COMPUTER VISION AND MACHINE LEARNING TECHNIQUES" has been successfully completed by **UTKARSH DAFE, NANDINI SAKHARE, MANU VARGHESE, PRANAV SAWARKAR** under the guidance of **PROF. YOGESH KALE** in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Electronics and Telecommunication Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)**.



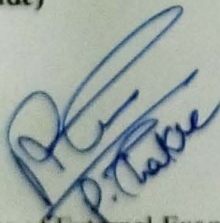
Signature  
**Prof. Y. S. Kale**  
(Guide)



Signature  
**Prof. Devendra Shahare**  
(Co-guide)



Signature  
**Dr. M. S. Narlawar**  
(HOD, ETC Dept.)



Signature of External Examiner:

Name: **Prasheel Thakre**

Date of Examination: **05/06/2023**



# **"FOOTPRINT COUNT USING FACE RECOGNITION"**

*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 Electronics & Telecommunication Engineering**

*by*

**Saloni Giratkar**

**Samruddhi Uplapwar**

**Yashaswi Rewatkar**

**Nikita Parate**



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION**

**Nagar Yuwak Shikshan Sanstha's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**


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

**NAGPUR – 441 110**

**2022-2023**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled "**Footprint Count Using Face Recognition**" has been successfully completed by **Saloni Giratkar, Yashaswi Rewatkar, Samruddhi Uplapwar, Nikita Parate** under the guidance of **Dr. Yogita Chitriv (Dubey)** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electronic & Telecommunication Engineer, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)**

  
Signature


**Dr. Yogita Chitriv (Dubey)**  
(Guide)

  
Signature

**Ms. Neelam Mulmuley**  
(Co-guide)

  
Signature

**Dr. M.S. Narlawar**  
(HOD ET Dept.)

Signature of External Examiner: 

Name: **Dr. P. P. D. D. D. D.**

Date of Examination **05/06/23**

# **Android App for Heart Disease Prediction Using Machine Learning Algorithms**

*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 Electronics & Telecommunication Engineering**

*by*

**Vedika Mathurkar  
Sukhada Ajmire  
Sayalee Ambulkar  
Chinmayee Didolkar**

*Under the guidance of*

**Dr. Yogita Chitriv (Dubey)**



**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION 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**

**2022-2023**



## CERTIFICATE OF APPROVAL

This is to Certify that the project report entitled “**Android App For Heart Disease Prediction Using Machine Learning Algorithms**” has been successfully completed by **Vedika Mathurkar, Sukhada Ajmire, Sayalee Ambulkar , Chinmayee Didolkar,** Under The Guidance Of **Dr. Yogita Chitriv (Dubey)** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electronics & Telecommunication Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



Signature

**Dr. Yogita Chitriv (Dubey)**

Guide



Signature

**Dr. Nandkishor Bankar**

Co-Guide



Signature

**Dr. M. S. Narlawar**

HOD



Signature of External Examiner:

Name: **Dr. N. S. Ambekar**

Date of Examination:

# Detection of Vata dosha using Blood sample

*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 Electronics & Telecommunication Engineering**

*By*

**Sainath Gunde  
Leenal Nikhare  
Vibha Bopche  
Payal Parate**

*Under the guidance of*

**Prof. A. A. Madankar**



**Department of Electronics & Telecommunication Engineering**

**Nagar Yuwak Shikshan Sanstha's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

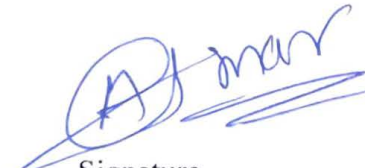
**(An autonomous institution affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur)**

**NAGPUR – 441110**

**2022-2023**

## CERTIFICATE OF APPROVAL

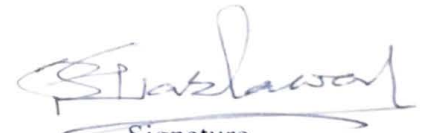
This is to certify that the project report entitled "Detection of vata dosha using blood sample" has been successfully completed by **Sainath Gunde, Vibha Bopche, Leenal Nikhare and Payal Parate** under the guidance of **Prof. A. A. Madankar and Dr. Arun Wankhede** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electronics & Telecommunication Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



Signature  
**Prof. A. A. Madankar**  
(Guide)



Signature  
Dr. Arun Wankhede  
(Co Guide)



Signature  
Dr. M. S. Narlawar  
(HoD, ET Dept.)



Signature of External Examiner:

Name:

Date of Examination:



# ELECTRONIC MIDI PAD

*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 Electronics & Telecommunication  
Engineering**

*by*

**Shreyas Kothiwan  
Rohidas Rahangdale  
Ishani Zoting  
Mansi Madavi**

*Under the guidance of*

**Prof. Abhishek Madankar**



**DEPARTMENT OF Electronics & Telecommunication Engineering**

**Nagar Yuwak Shikshan Sanstha's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

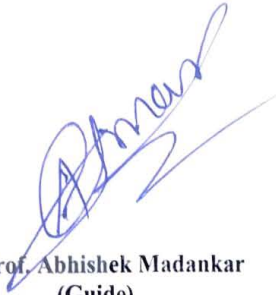
**(An autonomous institution affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur)**

**NAGPUR – 441 110**


**2022-2023**

## CERTIFICATE OF APPROVAL


This is to Certify that the project report entitled “**Electronic Midi Pad**” has been successfully completed by **Shreyas Kothiwan, Rohidas Rahangdale, Mansi Madavi, Ishani Zoting** under the guidance of **Prof. Abhishek. Madankar** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electronics & Telecommunication Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



Prof. Abhishek Madankar  
(Guide)



Mr. Rahul Koradkar  
(Co-Guide)



Dr. M.S. Narlawar  
(HOD)



Signature of External Examiner

Name:

Date of Examination:

# LIGHT WEIGHT CONCRETE USING EPS BEADS

*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 Technology in Civil Engineering**

*By*

<b>Sneha Sonwane</b>	<b>Swaraj Naware</b>
<b>Rohit Singanjude</b>	<b>Rushikesh Bhujbatkar</b>
<b>Sejal Nagpure</b>	<b>Srushti Balki</b>

*Under the guidance of*  
**Prof. B.P. Nandurkar.**



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**

**2022-2023**



## CERTIFICATE OF APPROVAL

Certified that the project report entitled "**LIGHT WEIGHT CONCRETE USING EPS BEADS**" has been successfully completed by **Sneha Sonwane, Rohit Singanjude, Sejal Nagapure, Swaraj Naware, Rushikesh Bhujbatkar, Srushti Balki** under the guidance of Prof. B.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)**



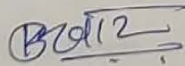
Dr. B.P. Nandurkar  
(Guide)



Prof. Snehal Kamble  
(Coordinator)



Dr. S.P. Raut  
(HoD)



Signature of External Examiner

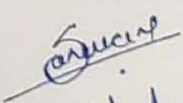
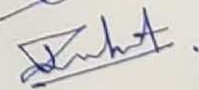
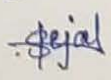

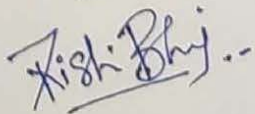
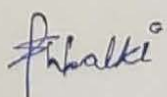
Name **PROF. KAMLESH V. MADURWAR**

Date of Examination: **05/06/2023**

## DECLARATION

I/ We certify that,

- a. We have done the work contained in this project under the guidance of our supervisors.
- b. The work has not been submitted to any other Institute for any degree or diploma.
- c. We have followed the guidelines provided by the Institute in preparing the project report.
- d. We have confirmed the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- e. 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.

Name of Student	Enrollment Number	Signature Of Students
1. Sneha Sonwane	19010305	
2. Rohit Singanjude	19010165	
3. Sejal Nagapure	19010403	
4. Swaraj Naware	19011047	
5. Rushikesh Bhujbatkar	19010670	
6. Srushti Balki	19010750	

# DESIGN AND DEVELOPMENT OF SOLID WASTE RECYCLING MODEL

*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*

**Swapnil Bhujade**  
**Nikhil Bidwaik**  
**Kalpak Dongare**  
**Krishna Harinkhede**  
**Komal Talmale**  
**Shital Gotefode**

*Under the guidance of*

**Prof. Dr. Ms. M.S. Bhagat**



**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)*

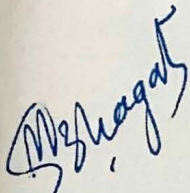
**NAGPUR – 441 110**

**2022-23**



## CERTIFICATE OF APPROVAL

Certified that the project report entitled "DESIGN AND DEVELOPMENT OF WASTE RECYCLING MODEL" has been successfully completed by Swapnil Bhujade, Nikhil Bidwaik, Kalpak Dongare, Krishna Harinkhede, Komal Talmale, Shital Gotefode under the guidance of Prof. Dr. Ms. M. S. Bhagat 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*)



Signature

Name of Guide

**Prof. Dr. Ms. M. S. Bhagat**

—  
Signature

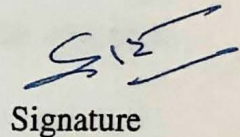
Name of Co-Guide (Co-Guide)



Signature

Name of Co-ordinator

**Prof. Ms. S. K. Kamble**



Signature

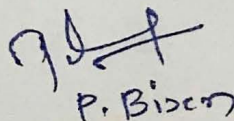
Name of Head of Dept

**Prof. Dr. S. P. Raut**

Signature of External Examiner

Name

Date of Examination



P. Bisen

P. Bisen

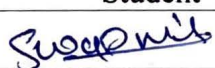
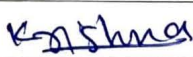
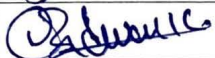
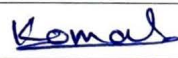


2/6/23

## DECLARATION

I / we certify that

- The work contained in this project has been done by me under the guidance of my supervisor(s).
- 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 the Student/ s

Name of the student	Signature of the Student	Name of the student	Signature of the Student
1. Swapnil Bhujade		4.. Krishna Harinkhede	
2. Nikhil Bidwaik		5 .Komal Talmale	
3. Kalpak Dongare		6. Shital Gotefode	



# DESIGN AND DEVELOPMENT OF WATER CONSERVATION MODEL

*This project report is submitted to*

**Yeshwantrao Chavan College of Engineering, Nagpur**

*(An Autonomous Institution Affiliated with 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*

1) Ritika Thakur

3) Soundarya Meshram

5) Shubham Tonge

2) Samruddhi Moundekar

4) Nishant Joseph

6) Tanmay Kawthekar

*Under the guidance of*

**DR. M. S. BHAGAT**

**(ASSISTANT PROFESSOR)**



**DEPARTMENT OF CIVIL ENGINEERING**

Nagar Yuwak Shikshan Sanstha's

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

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

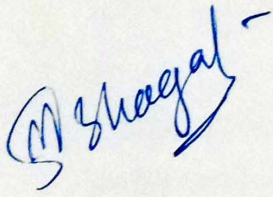
**NAGPUR – 441110**

**2022-2023**



## CERTIFICATE OF APPROVAL

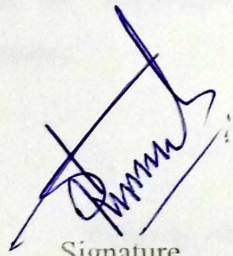
Certified that the project report entitled "**DESIGN AND DEVELOPMENT OF WATER CONSERVATION MODEL**" has been successfully completed by RITIKA THAKUR, SAMRUDDHI MOUNDEKAR, SOUNDARYA MESHAM, NISHANT JOSEPH, SHUBHAM TONGE, TANMAY KAWTHEKAR under the guidance of ASST. PROF. Dr. MADHURI S. BHAGAT in recognition 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

Prof. Dr. M. S. Bhagat

(Guide)



Signature

Prof. Dr. R. G. Surose

Dept. of Chemistry

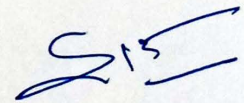
(Co-Guide)



Signature

Prof. Snehal Kamble

(Co-ordinator)

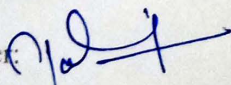


Signature

Dr. S. P. Raut

(HOD)

Signature of External Examiner:

Name:   
Dr. Pallavi Bisen

Date of Examination:



## DECLARATION

I / We certify that,

- 1) We have done the work contained in this project under the guidance of our supervisors.
- 2) The work has not been submitted to any other Institute for any degree or diploma.
- 3) We have followed the guidelines provided by the Institute in preparing the project report.
- 4) We have confirmed the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- 5) 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.

Name of the student

Signature of the Student

1 Ritika Thakur

Ritika

2 Samruddhi Moundekar

Samruddhi Moundekar

3 Soundarya Meshram

SMesh

Name of the student

Signature of the Student

4 Nishant Joseph

Nishant

5 Shubham Tonge

Shubham Tonge

6 Tanmay Kawthekar

Tanmay

# DEVELOPMENT OF CONCRETE PANELS USING TEXTILE EFFLUENT SLUDGE

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

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

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

*By*  
**Ashutosh Mishra**

**Nikhil Kate**

**Vikas Madke**

**Swapnil Dabre**

**Darshana Ingle**

*Under the guidance of*

**Dr. S.P. Raut**  
**Prof. Udaysingh Patil**



**DEPARTMENT OF CIVIL ENGINEERING**  
**Nagar Yuvak Shikshan Sanstha's**  
**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING**  
*(An Autonomous Institution Affiliated to Rastrasant Tukdoji Maharaj Nagpur University)*

**NAGPUR - 441 110**


**2022-23**

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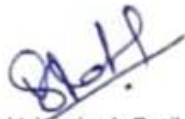


## CERTIFICATE OF APPROVAL

Certified that the project report entitled "DEVELOPMENT OF CONCRTE PANELS USING TEXTILE EFFLUENT SLUDGE" has been successfully completed by Ashutosh Mishra, Nikhil Kate, Vikas Madke, Swapnil Dabre, and Darshana Ingale under the guidance of **Dr. S. P. Raut** and **Prof. Udaysingh Patil** in the recognition to the partial fulfillment for the award of the degree of Bachelor Of Engineering, in **Yeshwantrao Chavan College Of Engineering (An Autonomous Institution Affilliated to Rastrasant Tukdoji Maharaj Nagpur University)**



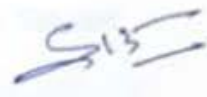
Dr. S. P. Raut  
(Guide)



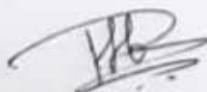
Prof. Udaysingh Patil  
(Co-Guide)



Prof. Ms. S.K. Kamble  
(Coordinator)



Dr. S. P. Raut  
(HoD)



Signature of External Examiner :

Name

: Prof. P. S. Bhandari

Date of Submission

:

||

# DEVELOPMENT OF SUSTAINABLE BRICKS USING TEXTILE EFFLUENT SLUDGE

*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*

**Atharva Kanchan Shahade  
Shardul Sandeep Naidu  
Siddhesh Jitendra Kulkarni**

*Under the guidance of*

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



**DEPARTMENT OF CIVIL ENGINEERING**


Nagar Yuwak Shikshan Sanstha

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

**2022-23**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled "DEVELOPMENT OF SUSTAINABLE BRICKS USING TEXTILE EFFLUENT SLUDGE" has been successfully completed by **ATHRAVA K. SHAHADE, SHARDUL S. NAIDU, SIDDHESH J. KULKARNI** 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)**



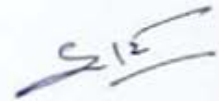
Dr. S.P. Raut  
(Guide)



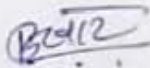
Prof. Uday Singh Patil  
(Co-Guide)



Prof. S. K. Kamble  
(Coordinator)



Dr. S.P. Raut  
(HoD)



Signature of External Examiner

Name: PROF. KAMLESH V. MADHWAR

Date of Examination: 05/06/2023



**TO STUDY THE FLEXURAL STRENGTH AND COMPRESSIVE  
STRENGTH OF BAMBOO FIBER, STEEL FIBER, LIMESTONE AND  
HYBRID COMPOSITES**

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

AYUSH KANEKAR  
SWARNIM GHADSE

SAMIN DAHIKAR

SANKET KHADSE  
SUDHANSHU WASADE

Under The Guidance Of

**Prof. V.N MENDHE**



**DEPARTMENT OF CIVIL ENGINEERING**

Nagar Yuwak Shikshan Sanstha's

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,  
NAGPUR441110**

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

**2022-2023**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled "TO STUDY THE FLEXURAL STRENGTH AND COMPRESSIVE STRENGTH OF BAMBOO FIBER, STEEL FIBER, LIMESTONE AND HYBRID COMPOSITES" has been successfully completed by AYUSH KANEKAR, SAMIN DAHIKAR, SANKET KHADSE, SWARNIM GHADSE, SUDHANSHU WASADE under the guidance of Prof. V.N 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

Prof. V.N MENDHE

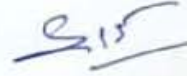
(Guide)



Signature

Mrs. SNEHAL KAMBLE

(Coordinator)

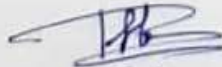


Signature

Dr. S.P RAUT

(HoD)

Signature of Examiner :



Examiner Name : Prof. P.S Binandaw

Date of Examination : 05/06/2023

**Performance Evaluation of Pomegranate Peel Bio  
Adsorbent for the Removal of Methylene Blue  
Dye from an Aqueous Solution**

*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*

Sanskriti Lohakare	Ankit Aghav
Sejal Wagh	Gaurav Surkar
Vrushali Somkuwar	Hardik Shendre

*Under the guidance of*

**Prof. Charuta Waghmare**



**DEPARTMENT OF CIVIL ENGINEERING**  
Nagar Yuwak Shikshan Santha's  
**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**  
*(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)*

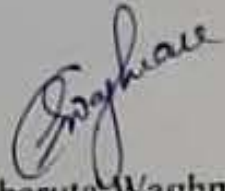
**NAGPUR – 441 110**

**2022-23**



CERTIFICATE OF APPROVAL

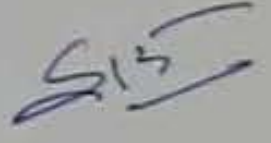
Certified that the project report entitled "**Performance Evaluation of Pomegranate Peel Bio Adsorbent for the Removal of Methylene Blue Dye from Aqueous Solution**" has been successfully completed by Sanskruti Lohakare, Sejal Wagh, Vrushali Somkuwar, Ankit Aghav, Gaurav Surkar, Hardik Shendre under the guidance of **Prof. Charuta Waghmare** in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



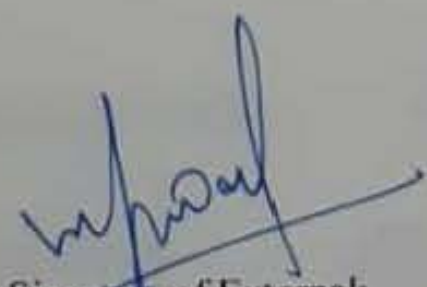
Prof. Charuta Waghmare  
(Project Guide)



Prof. Snehal Kamble  
(Co-Ordinator)



Dr. S. P. Raut  
(HoD)



Signature of External:

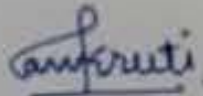

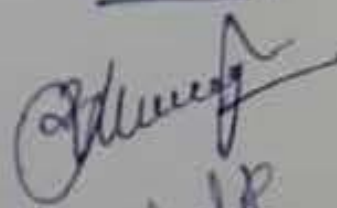
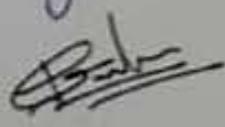

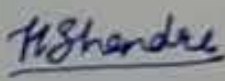
Examiner Name:

Date of Submission:

## DECLARATION

We certify that

- a. The work contained in this project has been done by us under the guidance of our supervisor.
- b. The work has not been submitted to any other Institute for any degree or diploma.
- c. we have followed the guidelines provided by the Institute in preparing the project report.
- d. we have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- e. 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.

Name of Student	Signature Of Student	Name of Student	Signature Of Student
1. Sanskruti Lohakare		4. Ankit Aghav	
2. Sejal Wagh		5. Gaurav Surkar	
3. Vrushali Somkuwar		6. Hardik Shendre	

# EXPERIMENTAL STUDY ON COMPOSTING OF TEA WASTE AND ITS OPTIMIZATION BY TAGUCHI METHOD AND RESPONSE 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 requirement*

*For the award of the degree*

*Of*

Bachelor of Engineering in Civil Engineering

*By*

Sohel Z. Khan	Mrunal P. Bobade
Sanket B. Sondawale	Ashwini A. Kakde
Chahul V. Danao	Rutuja A. Jivtode

*Under the guidance of*

**Mr. KHALID S. ANSARI (Guide)**

Dr. PRAJAKTA .U. WAGHE (Co-Guide)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuvak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)  
NAGPUR-441110

2022-23



## CERTIFICATE OF APPROVAL

Certified that the project report entitled “**EXPERIMENTAL STUDY ON COMPOSTING OF TEA WASTE AND IT’S OPTIMIZATION BY TAGUCHI METHOD AND RESPONSE SURFACE METHODOLOGY**” has been successfully completed by Sohel Z. Khan, Sanket B. Sondawale, Chahul V. Danao, Mrunal P. Bobade, Ashwini A. Kakde, Rutuja A. Jivtode under the guidance of **Mr. Khalid S. Ansari and Dr. Prajakta.U.Waghe** in the 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

Dr. Prajakta U. Waghe  
(Co-Guide)



Signature

Prof. Snehal K. Kamble  
(Coordinator)



Signature

Dr. S. P. Raut  
(HOD)



Signature of External Examiner:







Name: Vikas Agarwal

Date of Examination: 05/06/2023

## DECLARATION

We clarify that,

1. We have done the work contained in this project under the guidance of our supervisors.
2. We have followed all the instructions given by our guide and mentors.
3. We have followed the guidelines provided by the institute in preparing the project report.
4. We have taken the permission from HOD and our project guide regarding the use of equipment in the laboratory.
5. Wherever we have used materials or data from the other sources, we have given due credit to them by giving their details in references

SR.NO	NAME OF STUDENTS	SIGNATURE OF STUDENTS
1	Sohel Z. Khan	
2	Chahul V. Danao	
3	Sanket B. Sondawale	
4	Mrunal P. Bobade	
5	Ashwini A. Kakade	
6	Rutuja A. Jiotode	

# **EFFECT OF VARIATIONS IN RAINFALL INTENSITY ON STABILITY OF SLOPES IN INDIA**

*This project is submitted to*

**Yeshwantrao Chavan College of Engineering**

*(An Autonomous Institution Affiliated with 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*

- |                         |                          |
|-------------------------|--------------------------|
| 1) Sejal Dhanvij (A-20) | 4) Kalash Dharmik (A-48) |
| 2) Arnav Kumar (A-36)   | 5) Saurabh Channe (A-65) |
| 3) Aryan Kumar (A-38)   | 6) Aman Mahant (B-135)   |

*Under the guidance of*

**Dr. J. M. Raut**

(Assistant Professor)



**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 - 441110**

**2022-2023**



## CERTIFICATE OF APPROVAL

Certified that the project report entitled "EFFECT OF VARIATIONS IN RAINFALL INTENSITY ON STABILITY OF SLOPE IN INDIA" has been successfully completed by SEJAL DHANVIJ, ARNAV KUMAR, ARYAN KUMAR, KALASH DHARMIK, SAURABH CHANNE, AMAN MAHANT under the guidance of DR. J.M 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).



Signature

Dr. J.M. Raut  
(Guide)



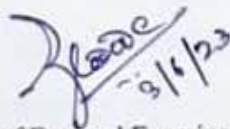
Signature

Prof. Snehal kamble  
(Co-Ordinator)



Signature

Dr. S.P. Raut  
(HOD)



Signature of External Examiner:

Signature of External Examiner:

Name: DR. AMIT PADADE

Date of Examination: 03/06/2023

# INVESTIGATION OF DURABILITY OF RUBBERIZED CONCRETE

*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*

<b>Abhishek Rathod</b>	<b>Kapil Zode</b>
<b>Aniket Khobragade</b>	<b>Sagar Thakre</b>
<b>Harshal Uparwat</b>	<b>Prashik Vaidya</b>

*Under the guidance of*

**Prof. Dhiraj Agrawal**



**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 1110**

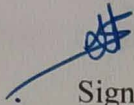
**2022-23**

## CERTIFICATE OF APPROVAL

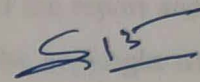
Certified that the project report entitled "INVESTIGATION OF DURABILITY FOR RUBBERIZED CONCRETE" has been successfully completed by ABHISHEK RATHOD, ANIKET KHOBRADE, HARSHAL UPARWAT, KAPIL ZODE, SAGAR THAKRE, PRASHIK VAIDYA under the guidance of PROF. DHIRAJ AGRAWAL in recognition to the partial fulfillment for the award of the degree of Master of Technology in Civil Engineering, **Yeshwantrao Chavan College of Engineering( An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



Sign



Sign

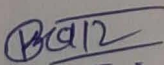


Sign

Prof. Dhiraj Agrawal  
(Guide)

Prof. Snehal Kamble  
(co-ordinator)

Dr. S. P. Raut  
(HoD)



Signature of External Examiner:

Name: PROF. KAMLESH V. MADURWAR

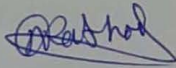
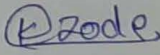
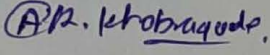
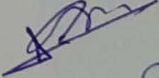
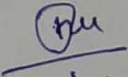
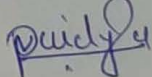
Date of Examination: 05/06/2023



## DECLARATION

We certify that

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

Name of Student	Signature	Name of Student	Signature
1. Abhishek Rathod		4. Kapil Zode	
2. Aniket Khobragade		5. Sagar Thakre	
3. Harshal Uparwat		6. Prashik Vaidya	

**Date:** - 08/05/2023

**Place:** - YCCE, Nagpur.

# Experimental Investigation on Use of Electronic Waste in High Strength Concrete

*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*

*Bachelor of Engineering in Civil Engineering*

*By*

AVANTI PATRE

GAJAL VIRULKAR

SAMIKSHA DAHULE

ROSHAN KOLHE

SAMYAK CHANDANKHEDE

*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**  
**2022-23**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled **Experimental Investigation on Use of Electronic Waste in High Strength Concrete** has been successfully completed by **AVANTI PATRE, GAJAL VIRULKAR, SAMIKSHA DAHULE, ROSHAN KOLHE** and **SAMYAK CHANDANKHEDE** 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**

Project (Guide)



Signature:

**Prof. Snehal Kamble**

Project(Coordinator)



Signature:

**Dr. Sanjay Raut**

(HOD) Civil Dept



Signature:

**Name of external examiner:**

**PROF. K.V. MADURWAR**

Date Of Examination: **05/06/23**



## DECLARATION

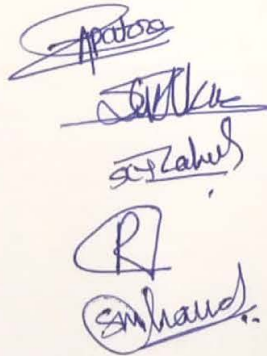
We certify that,

- a. The work contained in this project has been done by me under the guidance of my supervisor(s).
- b. The work has not been submitted to any other Institute for any degree or diploma.
- c. We have followed the guidelines provided by the Institute in preparing the project report.
- d. We have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- e. 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.

Name of the student

Signature of the Student

1. AVANTI PATRE
2. GAJAL VIRULKAR
3. SAMIKSHA DAHULE
4. ROSHAN KOLHE
5. SAMYAK CHANDANKHEDE



The image shows five handwritten signatures in blue ink, corresponding to the student names listed to the left. The signatures are: 1. Avanti Patre, 2. Gajal Virulkar, 3. Samiksha Dahule, 4. Roshan Kolhe, and 5. Samyak Chandankhede.

# DEVELOPMENT OF SMALL SCALE MODEL HOUSE USING CUPOLA 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*

Soham Banshpal  
Rudraksh Khandare  
Yogesh Kasare

Prasad Bhogekar  
Samyak Pusate  
Viplav Ghurde

*Under the guidance of*

**Prof. Sangita S. 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

2022-23

## CERTIFICATE OF APPROVAL

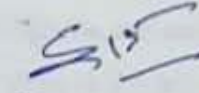
Certified that the project report entitled "DEVELOPMENT OF SMALL SCALE MODEL HOUSE USING CUPOLA SLAG" has been successfully completed by Soham Banshpal, Prasad Bhogekar, Rudraksh Khandare, Samyak Pusate, Yogesh Kasare, Viplav Ghurde under the guidance of Prof. Sangita S Meshram in recognition to the 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)

  
Signature

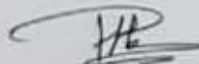
Prof.S.S.Meshram  
(Guide)

  
Signature

Ms.Snehal K Kamble  
(Coordinator)

  
Signature

Dr. Sanjay P Raut  
(HoD)

  
Signature of External Examiner:  
Name: Prof. P. S. Bhandari  
Date of Examination: 03/06/2023



# CASTING AND ANALYSIS OF HOLLOW FLY ASH BRICK

*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*

**Anchal Donode**

**Omkar Potdar**

**Chinmay Chintawar**

**Parag Bhawe**

**Jay Bhore**

**Deepali Dhage**

*Under the guidance of*

**Dr. P. B. Pande**



**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**

**2022-23**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled "CASTING AND ANALYSIS OF HOLLOW FLY ASH BRICK" has been successfully completed by Anchal Donode, Chinmay Chintawar, Jay Bhore, Omkar Potdar, Parag Bhawe, Deepali Dhage under the guidance of Dr.P.B. Pande 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

Dr. P.B. Pande  
(Guide)



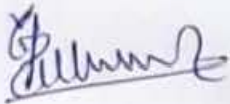
Signature

Prof. Snehal Kamble  
(Coordinator)



Signature

Dr. S.P. Raut  
(HoD)



Signature of External Examiner:

Name: M.D. Pidurkar

Date of Examination: 02/06/2023

# **CASTING AND ANALYSIS OF LIGHT WEIGHT BRICKS BY USING FOAM AGENT AND ADHESIVE CEMENT**

*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*

SHAHABAZ KHAN  
ACHAL SHIRKE  
SHAROOF KHAN

KASIFA PATEL  
VAISHNAVI TONGE  
AMER SHAIKH

Under the guidance of

**Dr. P.B.PANDE**



**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**  
**2022-2023**



**CERTIFICATE OF APPROVAL**

Certified that the project report entitled "CASTING AND ANALYSIS OF LIGHT WEIGHT BRICKS BY USING FOAM AGENT AND ADHESIVE CEMENT" has been successfully completed by Shahabaz Khan, Kasifa Patel, Achal Shirke, Vaishnavi Tonge, Sharoof Khan, Amer Shaikh, under the guidance of DR. P. B. PANDE 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.P.B. Pande  
(Guide)



Prof. Snehal Kamble  
(Co-ordinator)



Dr. S.P. Raut  
(HOD)



Signature of External Examiner

Name *M. D. P. P. P. P.*

Date of Examination: *02. June 2023*

# AN EXPERIMENTAL INVESTIGATION ON ARTIFICIAL AGGREGATE 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  
Of*

**Bachelor of Engineering in Civil Engineering  
By**

**ABHINAV THAKARE**

**ABHISHEK SHELKE**

**AISHWARYA BOBDE**

**CHAITANYA KAKDE**

**NIKITA CHAWARE**

**SHRAVANI DANAV**

*Under the guidance of*

**Prof. ATUL S. KURZEKAR**



**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  
2022-2023**


## CERTIFICATE OF APPROVAL

Certified that the project report entitled "AN EXPERIMENTAL INVESTIGATION ON ARTIFICIAL AGGREGATE CONCRETE" has been successfully completed by **Abhinav Thakare, Abhishek Shelke, Aishwarya Bobde, Chaitanya Kakde, Nikita Chaware, Shravani Danav** under the guidance of Mr. Atul S. Kurzekar 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  
Prof. Atul S. Kurzekar  
(Guide)

  
Signature  
Prof. Snehal Kamble  
(Co-ordinator)

  
Signature  
Dr. S. P. Raut  
(HOD)

  
Signature of External Examiner  
Name *M. D. P. D. P. D.*  
Date of Examination: *02/06/23*



## CERTIFICATE OF APPROVAL

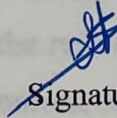
Certified that the project report entitled – “Comparative study of Rotating Biological Contactor for treatment of waste water using different media” has been successfully completed by Purva Naktode, Nadshri Ladke, Khushi Pawar, Nishant Badlu, Prajwal Jikate, Abhimanyu Bhanot, under the guidance of degree of Bachelor of Technology in Civil Engineering, Yeshwantrao Chavan College of Engineering. (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



Signature

Prof. Pallavi.S.Chakole

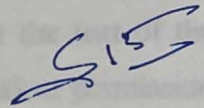
(Guide)



Signature

Prof. Snehal Kamble

(Coordinator)



Signature

Dr. Sanjay.P.Raut

(HOD)

Signature of External Examiner



Name : Mohit Singh Katoch

Date of Examination : 5/06/23

## DECLARATION

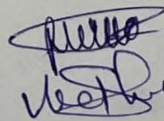
We certify that

- a. The work contained in this project has been done by me under the guidance of my supervisor(s).
- b. The work has not been submitted to any other Institute for any degree or diploma.
- c. We have followed the guidelines provided by the Institute in preparing the project report.
- d. We have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- e. 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.

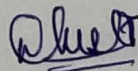
Name of Students

Signature

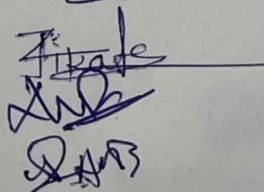
Ms.Purva Naktode



Ms.Nadshri Ladke



Ms.Khushi Pawar



Mr.Prajwal Jikate

Mr.Nishant Badlu

Mr.Abhimanyu Bhanot



# TREATMENT OF INDUSTRIAL DAIRY WASTE WATER USING ROTATING BIOLOGICAL CONTACTOR

*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

Hitul Vaidya  
Bhushan Dhole  
Rushikesh Ghime

Pranay Tonge  
Shival Dakhale  
Shreyas Joshi

*Under the guidance of*

**Prof. Ms. Pallavi S. Chakole**



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-441110**

**2022-2023**



## CERTIFICATE OF APPROVAL

Certified that the project report entitled "TREATMENT OF INDUSTRIAL DAIRY WASTE WATER USING ROTATORY BIOLOGICAL CONTACTOR UNIT" has been successfully completed By HITUL VAIDYA , PRANAY TONGE , SHIVAL DHAKLE , BHUSHAN DHOLE , RUSHIKESH GHIME , SHREYAS JOSHI under the guidance of Prof.Ms. **PALLAVI S. CHAKOLE** 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).



Signature

Prof. Pallavi .S. Chakole  
(Guide)



Signature

Prof. Snehal Kamble  
(Co-ordinator)



Signature

Dr .Sanjay .P. Raut  
(HOD)

Signature of External Examiner :

Name: *Manish Singh Katseli*

Date of Examination: : *05/06/2023*

# COMPARATIVE STUDY OF PROPERTIES OF SEWAGE SLUDGE FROM SEWAGE TREATMENT PLANT

*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*

**Aman Kadbe**

**Amol Paunikar**

**Govind Sharma**

**Samyak Gayakwad**

**Saurabh Bonde**

**Saurabh Chawne**

*Under the guidance of*

**Ms. Snehal K. Kamble**



**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**

**2022-23**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled "Comparative study of properties of sewage sludge from sewage treatment plant" has been successfully completed by Aman Kadbe, Amol Paunikar, Govind Sharma, Samyak Gayakwad, Saurabh Bonde, Saurabh Chawne under the guidance of **Ms. Snehal K. Kamble** 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

Ms. Snehal K. Kamble

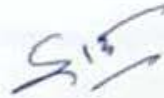
**(Guide)**



Signature

Ms. Snehal K. Kamble

**(Coordinator)**



Signature

Dr. Sanjay P. Raut

**(HoD)**

Signature of External Examiner

Name **Prof. Mohitsingh Kotach**

Date of Examination:



# DEVELOPMENT OF PERVIOUS CONCRETE USING INDUSTRIAL WASTE TO ENHANCE WATER QUALITY

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

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

*Of*  
Bachelor of Engineering in Civil Engineering

*By*  
Dhanshree Sawarkar                      Siddhey Phatkar  
Sejal Bhojar                                Rohit Sahu  
Anjali Gabhane                             Rutuj Khawas

*Under the guidance of*

**Prof. Sanket G. Kalamkar**



DEPARTMENT OF CIVIL ENGINEERING  
Nagar Yuvak Shikshan Sanstha's  
YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING  
(An Autonomous Institution Affiliated to Rastrasant Tukdoji Maharaj Nagpur University)

NAGPUR-441 110

Batch – 2022-23

CERTIFICATE OF APPROVAL

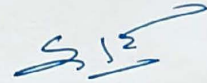
Certified that the project report entitled "DEVELOPMENT OF PERVIOUS CONCRTE USING INDUSTRIAL WASTE TO ENHANCE WATER QUALITY" has been successfully completed by Dhanshree Sawarkar, Siddhey Phatkar, Sejal Bhoyar, Rohit Sahu, Anjali Gabhane & Rutuj khawas under the guidance of **Prof. Sanket G. Kalamkar** in the recognition to the partial fulfillment for the award of the degree of Bachelor Of Engineering, in **Yeshwantrao Chavan College Of Engineering (An Autonomous Institution Affiliated to Rastrasant Tukdoji Maharaj Nagpur University)**



Prof. Sanket G. Kalamkar  
(Guide)



Prof. Snehal Kamble  
(Co-ordinator)



Dr. S. P. Raut  
(HOD)

Signature of External Examiner :



Name

: Prof. P. S. Bhandarkar

Date of Submission

: 03/06/2023



## DECLARATION

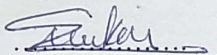
I/ we clarify that,

1. We have done the contained in this project under the guidance of our supervisors.
2. We have followed all the instructions given by our guide and mentors.
3. We have followed the guidelines provided by the institute in preparing the project report.
4. We have taken the permission from HOD and our project guide regarding the use of equipment in the laboratory.
5. Wherever we have used materials or data from the other sources, we have given due credit to them by giving their details in references.

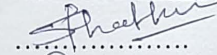
### **Name of student**

### **Signature of student**

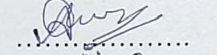
Dhanshree Sawarkar



Siddhey Phatkar



Anjali Gabhane



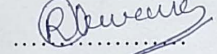
Rohit Sahu



Sejal Bhoyar



Rutuj Khawas





# Study of Self-compacting Concrete with Bagasse Ash, Metakaolin and Glass Fibre

This project report is submitted to  
Yeshwantrao Chavan College of Engineering, Nagpur  
(An Autonomous Institution Affiliated with 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

- |                            |                            |
|----------------------------|----------------------------|
| 1) Abhishek Chavan (A-34)  | 4) Shreyas Goswami (B-176) |
| 2) Kartik Tarodekar (A-49) | 5) Paras Ramteke (B-162)   |
| 3) Mahesh Bhinge (B-151)   | 6) Vrushabh Mohod (C-283)  |

Under the guidance of

**Ms. Monali Wagh**

(Assistant Professor)



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 – 441110 (2022-2023)

## CERTIFICATE OF APPROVAL

Certified that the project report entitled " **Study Of Self-compacting Concrete With Bagasse Ash, Metakaolin and Glass Fibre** " has been successfully completed by **Abhishek Chavan , Kartik Tarodekar , Mahesh Bhinge , Shreyas Goswami , Paras Ramteke & Vrushabh Mohod** under the guidance of Ms. Monali Wagh Mam 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).**



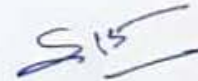
Professor Monali Wagh

(Guide)



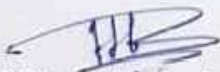
Prof. Snehal Kamble

(Co-ordinator)



Dr. S.P.Raut

(HOD)



Signature of External Examiner:

Name: Prof. P. S. Bhandari

Date of Examination - 5-06-2023

# Streetlight Conservation Model and Line Following Car

*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 Electronics Engineering**

*By*

**Atharva Kulkarni**

**Amisha Kale**

**Madhav Tejpal**

**Sakshi Nagdive**

*Under the guidance of*

**Dr. Prasanna Palsodkar**



**DEPARTMENT OF ELECTRONICS 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**

**2022-2023**



## CERTIFICATE OF APPROVAL

Certified that the project report entitled “**Streetlight Conservation Model and Line Following Car**” has been successfully completed by **Atharva Kulkarni, Amisha Kale, Madhav Tejpal, and Sakshi Nagdive** under the guidance of **Dr. Prasanna Palsodkar** in recognition to the partial fulfillment for the award of the degree of B.E. Electronics Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)**, Nagpur during session 2022-23



**Dr. Prasanna Palsodkar**

(Guide)



**Dr. P.P. Palsodkar/ Dr. U.S. Ghodeswar**

(Project Co-coordinators)



**Dr. R. D. Thakare**

(HOD, EE Dept.)



Signature of External Examiner:

Name: **Dr. P. R. Selpkar**

Date of Examination: **09/06/23**

# **FIRE EXTINGUISHER DRONE**

*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 Electronics Engineering**

*By*

*Bhushan Sable*

*Shreyas Tarudkar*

*Ankit Nagdeote*

*Tarkeshwar Satdeve*

*Harshada Thakare*

*Under the guidance of*

**Dr. Tejaswini G. Panse**



**DEPARTMENT OF ELECTRONICS ENGINEERING**

**Nagar Yuvak Shikshan Sanstha's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

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

**NAGPUR – 441110**

**2022-2023**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled “**FIRE EXTINGUISHER DRONE**” has been successfully completed by **BHUSHAN SABLE, SHREYAS TARUDKAR, ANKIT NAGDEOTE, TARKESHWAR SATDEVE** and **HARSHADA THAKARE** under the guidance of **Dr. TEJASWINI G. PANSE** in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in **Electronics Engineering**, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)** during 2022-2023.



Signature

**Dr. Tejaswini G. Panse**  
(Guide)

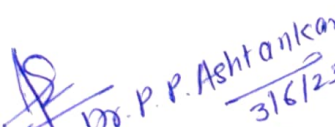


Signature

**Dr. Prachi P. Palsodkar**  
(Coordinator)



Signature  
**Dr. R. D. Thakare**  
(HoD ,EE)



Signature of External Examiner:

Name:

Date of Examination:



# Data Transmission using LiFi

CERTIFICATE OF APPROVAL

*This project report is submitted to*

**Yeshwantrao Chavan College of Engineering**

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

**Bachelor of Engineering in Electronics Engineering**

*by*

**Gauri Dambhare**

**Riya Singh**

**Tushar Waghmare**

**Ajay Khot**

*Under the guidance of*

**Dr. Yashika Gaidhani**



**DEPARTMENT OF ELECTRONICS ENGINEERING**

Nagar YuwakShikshan Sanstha's

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**  
*(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)*

**NAGPUR – 441 110**

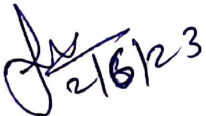
**2022-23**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled "Data Transmission using LiFi" has been successfully completed by Gauri Dambhare, Riya Singh, Tushar Waghmare, Ajay Khot under the guidance of **Dr. Yashika Gaidhani** of in recognition to the partial fulfillment for the award of the degree of B.E. Electronics Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaja Nagpur University), Nagpur during session 2022-23



**Dr. Yashika Gaidhani**  
(Project Guide)



**Dr. P.P. Palsodkar**  
(Project Co-coordinators)



**Dr. R. D. Thakare**  
(HOD, EE Dept.)



Signature of External Examiner

Name : **Dr. P. R. Sebkar**

Date of Examination : **02/06/23**

# **ZigBee Based Controlling and Monitoring System**

*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*

**Bachelor of Engineering in Electronics Engineering**

**By**

***Shruti Joshi***

***Shrutika Paunikar***

***Mayank Raut***

***Dhiraj Dave***

*Under the guidance of*

***Prof. K.G. Pande***



**DEPARTMENT OF ELECTRONICS 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**

**2022-2023**



## CERTIFICATE OF APPROVAL

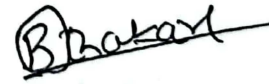
Certified that the project report entitled “**Zigbee Based Controlling and Monitoring System**” has been successfully completed by **Shruti Joshi, Shrutika Paunikar, Mayank Raut and Dhiraj Dave** under the guidance of **Prof. K.G. Pande** in recognition to the partial fulfilment for the award of the degree of Bachelor in Electronics Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)**, Nagpur.



**Prof. K. G. Pande**  
(Project Guide)



**Dr. P. P. Palsodkar**  
(Project Coordinator)



**Dr. R. D. Thakare**  
(HOD, EE Dept.)



Signature of External Examiner

Name: (R Pethe)

Date of Examination:

# WI-FI CONTROLLED SURVEILLANCE ROBOT

*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 Electronics Engineering**

*By*

*Yash Parate*

*Runal Yerpude*

*Mohit Chandekar*

*Aman Nankani*

*Ankita Dongre*

*Under the guidance of*

**Dr. Ankita Tijare**



**DEPARTMENT OF ELECTRONICS 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**

**2022-2023**

Page 140 of 331



## CERTIFICATE OF APPROVAL

Certified that the project report entitled “WIFI CONTROLLED SURVEILLANCE ROBOT” has been successfully completed by YASH PARATE, RUNAL YERPUDE, MOHIT CHANDEKAR, AMAN NANKANI, and ANKITA DONGRE under the guidance of **Dr. Ankita Tijare** in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in **Electronics Engineering**, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University).



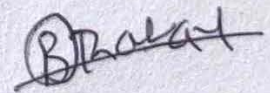
Signature

**Dr. A. D. Tijare**  
(Guide)



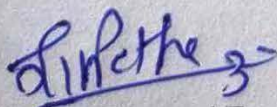
Signature

**Dr. Prachi P. Palsodkar**  
(Coordinator)



Signature

**Dr. R. D. Thakare**  
(HoD, EE)



Signature of External Examiner:

Name:

Date of Examination:



# IOT Based Monitoring of Fruit Freshness Using Arduino Nano

*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 Electronics Engineering**

*By*

**Soham Katare  
Shreyas Suryawanshi  
Dip Paliwal  
Hitesh Meshram  
Rushabh Humane**

*Under the guidance of  
Guide*

**Prof Dr. R.D. Thakare**

**(HoD Electronics Department YCCE)**

**Co-Guide**

**Prof Dr. A. R. Maske**

**(HoD Govt. Agriculture College, Nagpur)**



**DEPARTMENT OF ELECTRONICS ENGINEERING**

**Nagar Yuwak Shikshan Sanstha's**

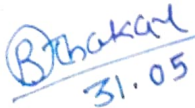
**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**  
*(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)*

**NAGPUR – 441 110**

**2022-23**

## CERTIFICATE OF APPROVAL

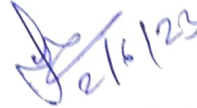
Certified that the project report entitled "IOT based Monitoring of Fruit Freshness using Arduino Nano" has been successfully completed by Soham Katare, Shreyas Suryawanshi, Dip Paliwal, Hitesh Meshram, Rushabh Humane under the guidance of **Dr. R.D. Thakare** and **Dr. A.R.Maske** of in recognition to the partial fulfillment for the award of the degree of B.E. Electronics Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University), Nagpur during session 2022-23.

  
31.05.2023

**Prof Dr. R.D. Thakare**

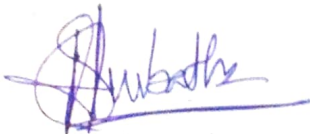
(Guide)

(Head of Department,  
Electronics Department)

  
2/6/23

**Dr.P.P.Palsodkar/Dr.U.S.Ghodeswar**

(Project Coordinators)



(External Examiner)

Name: **Dr. N.S. Ambath**

Date: **02/06/23**



**Dr. A. R. Maske**

(Co-Guide)

**Head**

Agril Engineering Section  
College of Agriculture, Nagpur



Nagar Yuwak Shikshan Sanstha's  
**Yeshwantrao Chavan College of Engineering**  
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

(Accredited 'A' Grade by NAAC)  
Hingna Road, Wanadongri, Nagpur - 441 110

**DEPARTMENT OF MECHANICAL ENGINEERING (Project: 2022-23)**

**NOTE**

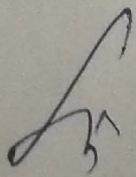
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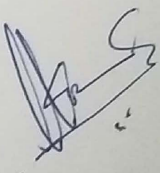
**SUBJECT:** Sanction of Expenditure regarding UG project for session 2023-24.

The following is the Expenditure incurred for completion of UG project for the session 2023-24.

SR.	PROJECT GUIDE	TITLE OF THE PROJECTS	TOTAL BILL AMOUNT
1	Prof. V. M. Korde	Investigation of Drying curve of pearl millet, sorghum & green peas using fluidized bed dryer	10176
2	Prof. R. V. Adakane	Design of fabrication of automatic Cercals Weighing & Packaging Machine.	41475.00
3	Prof. R. V. Adakane	Automated Comnod Cleaning System	16026.00
		<b>Total</b>	<b>67677.00</b>

FOR NA  
GOURNAD  
02-08  
AL

  
(Dr. J. P. Giri)  
HOD ME

  
(V. M. KORDE)  
Co-Ordinator



**INVESTIGATION OF DRYING CURVE OF PEARL  
MILLET, SORGHUM, GREEN PEAS BY USING  
FLUIDIZED BED DRYER**

*This major 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 degree*

*Of*

*Bachelor of Technology in Mechanical Engineering*

*By*

**Vaibhav Tandulkar**

**Priyadarshan Munjewar**

**Shraddha Mishra**

*Under the guidance of*

**Prof. VIVEK KORDE**



**DEPARTMENT OF MECHANICAL 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**

**2023-24**

# INVESTIGATION OF DRYING CURVE OF PEARL MILLET, SORGHUM, GREEN PEAS BY USING FLUIDIZED BED DRYER

*Submitted by*

**Vaibhav Tandulkar**

**Priyadarshan Munjewar**

**Shraddha Mishra**

Under the guidance of

**Prof. VIVEK KORDE**



**DEPARTMENT OF MECHANICAL 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**

**2023-24**



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

2023-24



**DEPARTMENT OF MECHANICAL ENGINEERING**

**CERTIFICATE OF APPROVAL**

**Certified that the Major-Project report entitled  
INVESTIGATION OF DRYING CURVE OF PEARL MILLET, SORGHUM,  
GREEN PEAS BY USING FLUIDIZED BED DRYER  
has been successfully completed by**

S. No.	Roll No.	Registration No.	Name of Student
1	53	21030025	Priyadarshan Munjewar
2	163	21030081	Vaibhav Tandulkar
3	106	21030046	Shraddha Miishra

**under the guidance of**

***Prof. VIVEK KORDE***


**in recognition to the partial fulfillment for the award of the degree of**

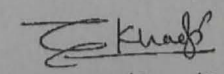
**Bachelor of Technology in Mechanical Engineering,**


**Yeshwantrao Chavan College of Engineering**

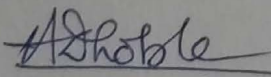
*(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)*

  
**Prof. V. M. KORDE**  
(Guide & Coordinator)

  
**Prof. N.J. Giradkar**  
(Co-Guide)

  
**ER. DEVESH KHADGI**  
(Industrial Co-Guide)

  
**Dr. J. P. GIRI**  
(HOD, ME Dept.)

  
Name & Signature of External Examiner:  
Date of Examination: 22/5/24



**“DESIGN AND FABRICATION OF AUTOMATIC  
CEREALS WEIGHING AND PACKAGING MACHINE”**

*Submitted By*

**Akshay Patne**

**Ashish Jivtode**

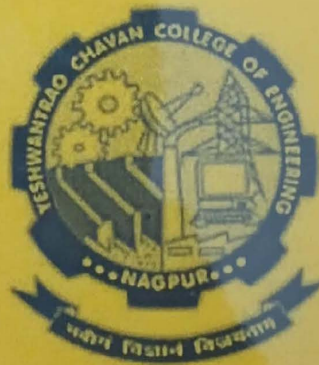
**Himanshu Gundawar**

**Swayamdeep Bhange**

*Under the guidance of*

**Prof. Rakesh Adakane**

**Er. Rushabh Bokde**



**DEPARTMENT OF MECHANICAL ENGINEERING**

**Nagar Yuwak Shikshan Sanstha's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING**

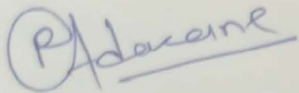
**(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur  
University, Nagpur)**

**NAGPUR – 441110**

**2023-24**

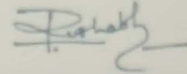
## CERTIFICATE OF APPROVAL

Certified that the project report entitled "Design and Fabrication of Automatic Weighing and Packaging Machine" has been successfully completed by Akshay Patne, Ashish Jivtode, Himanshu Gundawar, Swayamdeep Bhange under the guidance of **Prof. Rakesh Adakane** in recognition to the partial fulfillment for the award of the degree of Bachelor of Technology in Mechanical Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**.



*Prof. Rakesh Adakane*

*(Guide)*



*Er. Rushabh Bokde*

*GET – Design Engineer*

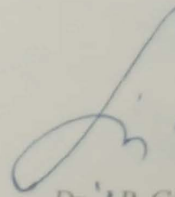
*Carraro Technology*

*(Co-guide)*



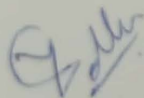
*Prof. V.M. Korde*

*(Project Co-ordinator)*



*Dr. J.P. Giri*

*(HOD, ME Department)*



Signature of External Examiner

Name:

Date:

## DECLARATION

I / we certify that

- a. The work contained in this project has been done by me under the guidance of my supervisor(s).
- b. The work has not been submitted to any other Institute for any degree or diploma.
- c. We have followed the guidelines provided by the Institute in preparing the project report.
- d. We have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- e. 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, have taken permission from the copyright owners of the sources, whenever necessary.

Name of Student

Signature of Student

1. Akshay Patne

*Patne*

2. Ashish Jivtode

*Ajivtode*

3. Himanshu Gundawar

*Gundawar*

4. Swayamdeep Bhange

*S Bhange*



# DESIGN AND FABRICATION OF AUTOMATED COMMODE CLEANING MACHINE

*Submitted by*

**Abhishek Dharme**

**Ankit Kumar**

**Suvarsh Rajankar**

**Utkarsh Patil**

*Under the guidance of*

**Prof. Rakesh Adakane**

And

**Er. Rushabh Bokde**



**DEPARTMENT OF MECHANICAL ENGINEERING**

**Nagar Yuwak Shikshan Sanstha's**

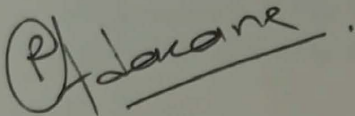
**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**  
(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

**NAGPUR – 441 110**

**2023-24**

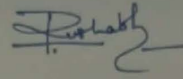
## CERTIFICATE OF APPROVAL

Certified that the project report entitled "Design and Fabrication of Automated Commode Cleaning Machine" has been successfully completed by Abhishek Dharme, Ankit Kumar, Suvarsh Rajankar and Utkarsh Patil under the guidance of Prof. Rakesh Adakane and GET- Design Engineer Rushabh Bokde in recognition to the partial fulfillment for the award of the degree of Bachelor in Mechanical Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University), Nagpur.



**PROF. RAKESH ADAKANE**

(Project Guide)



**Er. RUSHABH BOKDE**

GET – Design Engineer

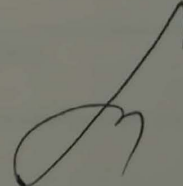
Carraro Technologies

(Project Co-guide)



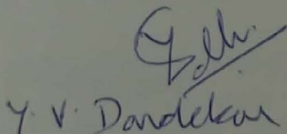
**PROF. V. M. KORDE**

(Coordinator)



**Dr. J. P. GIRI**

(HOD, ME Dept.)



Name & Signature of External Examiner :

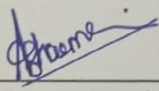
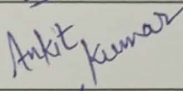
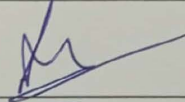

Date : 22/05/24

## DECLARATION

We certify that

- The work in this project has been done by us under the guidance of my supervisor(s).
- 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 the Students

Name of Student	Signature of the Student
Abhishek Dharme	
Ankit Kumar	
Suvarsh Rajankar	
Utkarsh Patil	



# Classification of Lung Diseases from CXR Images Using Transfer Learning

*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 Technology in Computer Technology**  
*By*

<b>Badal Wanjari</b>	<b>Enrolment No: 20011045</b>
<b>Sanjana Verma</b>	<b>Enrolment No: 20010795</b>
<b>Arya Deshmukh</b>	<b>Enrolment No: 20010704</b>
<b>Somesh Mallewar</b>	<b>Enrolment No: 20011071</b>

*Under the guidance of*

**DR. RAKHI D. WAJGI**



**DEPARTMENT OF COMPUTER TECHNOLOGY**

Nagar Yuwak Shikshan Sanstha's

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

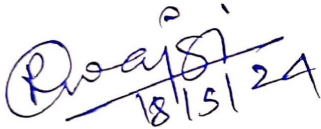
(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

**NAGPUR – 441 110**

**2023-2024**

## CERTIFICATE OF APPROVAL

It is certified that the project report entitled “Classification of Lung Diseases from CXR Images Using Transfer Learning” has been successfully completed by **Badal Wanjari, Sanjana Verma, Arya Deshmukh** and **Somesh Mallewar** under the guidance of **Dr Rakhi D. Wajgi** in recognition to the partial fulfillment for the award of the degree of Bachelor of Technology in Computer Technology, Yeshwantrao Chavan College of Engineering, Nagpur (An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University).



Dr. Rakhi Wajgi  
(Guide)



Prof. Smita Kapse  
(Coordinator)



Dr. Rakhi Wajgi  
(HoD)



Signature of External Examiner

Name: **V.V. Deshpande**

Date of Examination:

# MediSync Guardian: An IoT-Based Smart Medicine Box to Provide Smart Healthcare Services

*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 Technology in Computer Technology**

*By*

**Gunjan Balpande (09)**  
**Shravani Kale (25)**  
**Manthan Jadhav (48)**  
**Sahil Lawankar (63)**  
**Vikrant Jaunjale (73)**

*Under the guidance of*

Prof. Smita R Kapse



**DEPARTMENT OF COMPUTER TECHNOLOGY**

Nagar Yuwak Shikshan Sanstha's

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**  
*(An autonomous institution affiliated to Rashtrasant Tukdoji Maharaj University Nagpur)*  
**NAGPUR – 441 110**

**2023-2024**



## CERTIFICATE OF APPROVAL

Certified that the project report entitled “**MediSync Guardian: An IoT-Based Smart Medicine Box to Provide Smart Healthcare Services**” has been successfully completed by **Gunjan Balpande, Shravani Kale, Manthan Jadhav, Sahil Lawankar, Vikrant Jaunjale** under the guidance of **Prof. S. R. Kapse** in recognition to the partial fulfillment for the award of the degree of Bachelor of Technology in Computer Technology, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



Signature  
18/05/2024

Prof. S. R. Kapse  
(Guide)



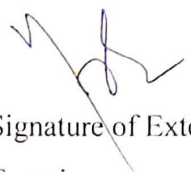
Signature

Prof. S. R. Kapse  
(Co-ordinator)



Signature  
18/5/24

Dr. R. D. Wajgi  
(HoD)



Signature of External  
Examiner:

Name: **v. v. deshpande**  
Date of Examination: **18/5/24**

# **“Adaptive Machine Learning(ML) Model for Driver Drowsiness Detection using Developed ML Model”**

*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 Technology in**

**Computer Technology**

*By*

**Kshitij Mehatkar**

**Aryan Baraskar**

**Tanmay Zerbade**

**Atharva Kawale**

*Under the guidance of*

**Prof. Roshan S. Bhanuse**



**DEPARTMENT OF Computer Technology**

**Nagar Yuwak Shikshan Sanstha's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

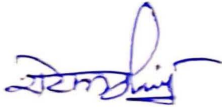
*(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)*

**NAGPUR – 441 110**

**2023-24**

## CERTIFICATE OF APPROVAL

Certified that the project report entitled "ADAPTIVE MACHINE LEARNING (ML) MODEL FOR DRIVER DROWSINESS DETECTION USING DEVELOPED ML MODEL" has been successfully completed by ATHARVA KAWALE, KSHITIJ MEHATKAR, ARYAN BARASKAR, TANMAY ZERBADE under the guidance of **PROF. ROSHAN S. BHANUSE** in recognition to the partial fulfillment for the award of the degree of Bachelor of Technology in Computer Technology, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



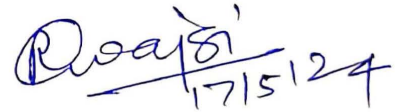
Prof. Roshan S. Bhanuse

Guide



Prof. Smita Kapse

Coordinator



Dr. Rakhi Wajgi

HOD

Signature of External Examiner:

Name: **DR. P.N. Fale**

Date of Examination:

**17/05/2024**



**Multi-Disease Prediction using Ensemble Techniques with  
Deep Learning Models**

*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 Technology in Information Technology**

*By*

**Mr. Ayush Wankhede (42)**

**Mr. Devansh Mahant (47)**

**Mr. Aryan Waranashiwar (37)**

**Mr. Parth Kakde (66)**

**Mr. Saurabh Chopade (158)**

**Ms. Pranjal Raut (18)**

*Under the guidance of*

**Prof. Mr. Abhay Yeole**

**Dr. Anushree Aserkar**



**DEPARTMENT OF INFORMATION TECHNOLOGY**  
Nagar Yuwak Shikshan Sanstha's

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

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

**NAGPUR – 441 110**

**2023-2024**

## CERTIFICATE OF APPROVAL

Certified that the Major Project entitled "MULTI-DISEASE PREDICTION USING ENSEMBLE TECHNIQUES WITH DEEP LEARNING MODELS" has been successfully completed by MR. AYUSH WANKHEDE , MR. DEVANSH MAHANT , MR. ARYAN WARANASHIWAR , MR. PARTH KAKDE , MR. SAURABH CHOPADE , MS. PRANJAL RAUT under the guidance of **Prof. Mr. Abhay Yeole** in recognition of the fulfillment for the award of the degree of Bachelors of Technology in Information Technology, **Yeshwantrao Chavan College of engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj University)** Nagpur.



**Prof. Mr. Abhay Yeole**  
Guide

Assistant Professor

Department of Information Technology  
YCCE, NAGPUR



**Dr. Anushree Aserkar**

Co-Guide

Assistant Professor  
Department of Mathematics  
YCCE, NAGPUR



**Prof. Priyanka Jaiswal**

Project co-ordinator

Department of Information Technology  
YCCE, NAGPUR



**Dr. R. C. Dharmik**

Head Of Department

Department of Information Technology  
YCCE, NAGPUR

Signature of External Examiner  
Name:



Date of Examination

# SENTIMENT ANALYSIS

*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 Technology in Information Technology**

*By*

**Janhvi Ambade (09)**  
**Pragati Likhari (17)**  
**Anurag Zawar (36)**  
**Himanshu Saurkar (57)**  
**Pawan Dawake (67)**  
**Swapnil Patil (163)**

*Under the guidance of*

**Prof. M. K. Hadap**



**DEPARTMENT OF INFORMATION TECHNOLOGY**  
Nagar Yuwak Shikshan Sanstha's

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**  
(An autonomous institution affiliated to Rashtrasant Tukdoji Maharaj University Nagpur)  
**NAGPUR – 441 110**

**2023-2024**



## CERTIFICATE OF APPROVAL

Certified that the Major Project entitled "SENTIMENT ANALYSIS" has been successfully completed by JANHVI AMBADE, PRAGATI LIKHAR, ANURAG ZAWAR, PAWAN DAWAKE, HIMANSHU SAURKAR, SWAPNIL PATIL under the guidance of **Prof. M. K. Hadap** in recognition of the fulfillment for the award of the degree of Bachelors of Technology in Information Technology, **Yeshwantrao Chavan College of engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj University)** Nagpur.

  
**Prof. M. K. Hadap**

Guide

Associate Professor

Department of Information Technology  
YCCE, NAGPUR

  
**Prof. Priyanka Jaiswal**


Project Co-ordinator

Department of Information Technology  
YCCE, NAGPUR

  
**Dr. R. C. Dharmik**

Head Of Department

Department of Information Technology  
YCCE, NAGPUR

Signature of External Examiner 

Name:

Date of Examination:

# **Mastering the Art of Note-Taking : Convert YouTube Lectures into Comprehensive Notes with AI's Assistance and Audio-to-Transcript Integration**

*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 Technology in Information Technology**

*By*

**Tanushree Deshmukh (23)**

**Aasim Shaikh (31)**

**Budharam Kumbhre (44)**

**Himanshu Samrit (56)**

**Musab Shaikh (61)**

**Vedang Patil (79)**

*Under the guidance of*

**Prof. Chandrayani N. Rokde**

**Ms. Nidhi Patwardhan**



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Nagar Yuwak Shikshan Sanstha's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

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

**NAGPUR – 441 110**

**2023-2024**

## CERTIFICATE OF APPROVAL

Certified that the Major Project entitled “Mastering the Art of Note-Taking : Convert YouTube Lectures into Comprehensive Notes with AI’s Assistance and Audio-to-Transcript Integration” has been successfully completed by TANUSHREE DESHMUKH, AASIM SHAIKH, BUDHARAM KUMBHRE, HIMANSHU SAMRIT, MUSAB SHAIKH, VEDANG PATIL under the guidance of **Prof. Chandrayani N. Rokde And Co-Guide Nidhi Patwardhan** in recognition of the fulfillment for the award of the degree of Bachelors of Technology in Information Technology, **Yeshwantrao Chavan College of engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj University) Nagpur.**

**Prof. Chandrayani N. Rokde**  
Guide  
Associate Professor  
Department of Information Technology  
YCCE, NAGPUR

**Nidhi Patwardhan**  
Co-Guide  
Taxonomy Analyst,  
Data Manager eBay  
San Francisco Bay Area

**Prof. Priyanka Jaiswal**  
Project co-ordinator  
Department of Information Technology  
YCCE, NAGPUR

**Dr. R. C. Dharmik**  
Head Of Department  
Department of Information Technology  
YCCE, NAGPUR

Signature of External Examiner  
Name:  
Date of Examination



# DISEASE PREDICTION USING MACHINE LEARNING

*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 Technology in Information Technology**

*By*

**Deepali Lanjewar (05)**

**Divita Meshram (06)**

**Amit Rathod (132)**

**Neha Khadse (14)**

**Harsh Sawal (50)**

*Under the guidance of*

**Dr. K. K. Bhoyar**

**Prof. Priti Matre**



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Nagar Yuwak Shikshan Sanstha's**

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,**

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

**NAGPUR – 441 110**

**2023-2024**

## CERTIFICATE OF APPROVAL

Certified that the Major Project entitled “**Disease Prediction Using Machine Learning**” has been successfully completed by Deepali Lanjewar, Divita Meshram, Neha Khadse, Harsh Sawal and Amit Rathod under the guidance of **Dr. K. K. Bhoyar** And Co-Guide **Prof. Priti Matre** in recognition of the fulfilment for the award of the degree of Bachelors of Technology in Information Technology, **Yeshwantrao Chavan College of engineering**(An Autonomous Institution Affiliated to **Rashtrasant Tukdoji Maharaj University**) Nagpur.



**Dr. K. K. Bhoyar**

Guide

Professor

Department of Information Technology  
YCCE, NAGPUR



**Prof. Priti Matre**

Co-Guide

Assistant Professor

Department of Information Technology  
YCCE, NAGPUR



**Prof. Priyanka Jaiswal**

Project co-ordinator

Department of Information Technology  
YCCE, NAGPUR



**Dr. R. C. Dharmik**

Head of Department

Department of Information Technology  
YCCE, NAGPUR

Signature of External Examiner

Name:

Date of Examination:

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





## **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/2023/R1/773

Dated : 28-Dec-2023

To ,

**Shraddha Somulu Gugulothu**

Flat no.101, Shree Sudhakar Residency 1, Wanadongri,Hingna

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202303197234

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **17/12/2023** 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 an Electronic Glass System to Support Visually Impaired Persons

Supervisor :- Dr.Dinesh B.Bhoyar

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 18/09/2023

Based on 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. program as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022 (\*\*Fees applicable as per Notification Published by University time to time).

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if the supervisor of the candidate leaves the place of research and joins another institute/college, before submission of a thesis of his/her registered candidate, the Ph. D. researcher should be made aware by a 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 sending 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 **Direction No. 11/2023** 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 that is pursued either full time or part time will be treated as a 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. The degree program shall be for a 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 years from the date of admission to the Research center.**

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. Program. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph. D. Program for up to 240 days.

4) **Full time** Ph. D. Program candidates under full time mode shall undertake research work in University Departments or Colleges/Autonomous Colleges/Conducted Colleges/Place of Higher learning and Research (HLR) and shall be available during the working hours for research activities.

Candidates in employment, who wish to pursue full time shall be required to submit a No Objection Certificate from his/her employer & should avail leave for the research period.

5) **Part time** Ph. D. Program through part-time mode will be permitted. Provided all the conditions stipulated in this direction are fulfilled.

The Higher educational institution concerned shall obtain a “**No Objection Certificate**” through the candidate for a part-time Ph. D. program from the appropriate authority in the organization where the candidate is employed, clearly stating that:

- i) The candidate is permitted to pursue studies on a part-time basis.
- ii) His/her office will permit him/her to devote sufficient time to research.
- iii) If required, he/she will be relieved from the duty to complete the coursework.

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 submit residential address proof with an 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 canceled.

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

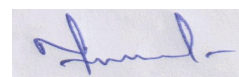
In addition to the above, the candidate shall follow the instructions as mentioned below :

a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. The

research scholar has to submit a 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 fees 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(\*\* Fees applicable as per Notification Published by University time to time).
- c) **The course work shall be treated as a pre-requisite for the Ph. D. program. The candidate shall be required to complete the prescribed course work within one year after registration for the Ph. D. program.**
- d) **The Research Scholar shall submit a 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 canceled by the Research and Recognition Committee on the recommendations of the guide and Head of Place of Research.**
- e) It shall be mandatory for every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and the publication of a minimum of Two research papers (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 the 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 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,



Dr. Navin Parshuram Mungle  
Deputy Registrar (Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr.Dinesh B.Bhojar **(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/2023/R1/805

Dated : 29-Dec-2023

To ,

**Swati Ravi Nitnaware**

Ravi Packers and Movers 2nd Bus Stop Gopal Nagar Nagpur-22

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202303480549

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **17/12/2023** 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 :- Deep Learning Models for Seizure Prediction Using Electroencephalogram Data

Supervisor :- Dr. Atish S. Khobragade

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 22/08/2023

Based on 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. program as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022 (\*\*Fees applicable as per Notification Published by University time to time).

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if the supervisor of the candidate leaves the place of research and joins another institute/college, before submission of a thesis of his/her registered candidate, the Ph. D. researcher should be made aware by a 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 sending 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 **Direction No. 11/2023** 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 that is pursued either full time or part time will be treated as a 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. The degree program shall be for a 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 years from the date of admission to the Research center.**

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. Program. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph. D. Program for up to 240 days.

4) **Full time** Ph. D. Program candidates under full time mode shall undertake research work in University Departments or Colleges/Autonomous Colleges/Conducted Colleges/Place of Higher learning and Research (HLR) and shall be available during the working hours for research activities.

Candidates in employment, who wish to pursue full time shall be required to submit a No Objection Certificate from his/her employer & should avail leave for the research period.

5) **Part time** Ph. D. Program through part-time mode will be permitted. Provided all the conditions stipulated in this direction are fulfilled.

The Higher educational institution concerned shall obtain a “**No Objection Certificate**” through the candidate for a part-time Ph. D. program from the appropriate authority in the organization where the candidate is employed, clearly stating that:

- i) The candidate is permitted to pursue studies on a part-time basis.
- ii) His/her office will permit him/her to devote sufficient time to research.
- iii) If required, he/she will be relieved from the duty to complete the coursework.

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 submit residential address proof with an 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 canceled.

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

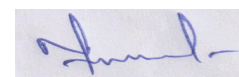
In addition to the above, the candidate shall follow the instructions as mentioned below :

a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. The

research scholar has to submit a 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 fees 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(\*\* Fees applicable as per Notification Published by University time to time).
- c) **The course work shall be treated as a pre-requisite for the Ph. D. program. The candidate shall be required to complete the prescribed course work within one year after registration for the Ph. D. program.**
- d) **The Research Scholar shall submit a 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 canceled by the Research and Recognition Committee on the recommendations of the guide and Head of Place of Research.**
- e) It shall be mandatory for every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and the publication of a minimum of Two research papers (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 the 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 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,



Dr. Navin Parshuram Mungle  
Deputy Registrar (Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. Atish 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**

"(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/2023/R1/085

Dated : 22-Dec-2023

To ,

**Vaishali Barkuji Niranjane**

c/o Dr.Rahul Patil, Bunglow No.2, Radha-rani Palace, Ramesh Estate  
Ghogali, Besa- Pipala ,Nagpur

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202303710625

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **17/12/2023**  
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 :- ResNet based Channel estimation for mmWave Massive MIMO Systems

Supervisor :- A.S.khobragade

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 22/08/2023

Based on 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. program as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022 (\*\*Fees applicable as per Notification Published by University time to time).

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if the supervisor of the candidate leaves the place of research and joins another institute/college, before submission of a thesis of his/her registered candidate, the Ph. D. researcher should be made aware by a 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 sending 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 **Direction No. 11/2023** 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 that is pursued either full time or part time will be treated as a 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. The degree program shall be for a 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 years from the date of admission to the Research center.**

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. Program. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph. D. Program for up to 240 days.

4) **Full time** Ph. D. Program candidates under full time mode shall undertake research work in University Departments or Colleges/Autonomous Colleges/Conducted Colleges/Place of Higher learning and Research (HLR) and shall be available during the working hours for research activities.

Candidates in employment, who wish to pursue full time shall be required to submit a No Objection Certificate from his/her employer & should avail leave for the research period.

5) **Part time** Ph. D. Program through part-time mode will be permitted. Provided all the conditions stipulated in this direction are fulfilled.

The Higher educational institution concerned shall obtain a “**No Objection Certificate**” through the candidate for a part-time Ph. D. program from the appropriate authority in the organization where the candidate is employed, clearly stating that:

- i) The candidate is permitted to pursue studies on a part-time basis.
- ii) His/her office will permit him/her to devote sufficient time to research.
- iii) If required, he/she will be relieved from the duty to complete the coursework.

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 submit residential address proof with an 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 canceled.

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

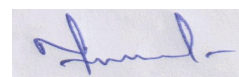
In addition to the above, the candidate shall follow the instructions as mentioned below :

a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. The

research scholar has to submit a 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 fees 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(\*\* Fees applicable as per Notification Published by University time to time).
- c) **The course work shall be treated as a pre-requisite for the Ph. D. program. The candidate shall be required to complete the prescribed course work within one year after registration for the Ph. D. program.**
- d) **The Research Scholar shall submit a 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 canceled by the Research and Recognition Committee on the recommendations of the guide and Head of Place of Research.**
- e) It shall be mandatory for every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and the publication of a minimum of Two research papers (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 the 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 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,



Dr. Navin Parshuram Mungle  
Deputy Registrar (Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : 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/R1/1574

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 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/R1/1605

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.
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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.
- 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**

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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**

"(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.

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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.
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- 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.

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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.
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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.
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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).)"

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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/R1/1636

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 :
-



## **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/2023/R1/1154

Dated : 19-Oct-2024

To ,

**Kanchan Praveen Kamble**

C/O P. B. Kamble, Plot. No. 8, Santaji Society, Menghre Layout,  
Manishnagar, Nagpur

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202303343235

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **26/09/2024** 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 Fractal Antenna with Multi-resonance Response

Supervisor :- Dr. Sachin Sheshrao Khade

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 22/08/2023

Based on 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. program as per Notification No. RTMNU/Accounts/367 dated 17thMay, 2022 (\*\*Fees applicable as per Notification Published by University time to time).

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if the supervisor of the candidate leaves the place of research and joins another institute/college, before submission of a thesis of his/her registered candidate, the Ph. D. researcher should be made aware by a 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 sending 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 **Direction No. 11/2023 & 34/2023** 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 that is pursued either full time or part time will be treated as a 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. The degree program shall be for a 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 years from the date of admission to the Research center.**

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. Program. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph. D. Program for up to 240 days.

4) **Full time** Ph. D. Program candidates under full time mode shall undertake research work in University Departments or Colleges/Autonomous Colleges/Conducted Colleges/Place of Higher learning and Research (HLR) and shall be available during the working hours for research activities.

Candidates in employment, who wish to pursue full time shall be required to submit a No Objection Certificate from his/her employer & should avail leave for the research period.

5) **Part time** Ph. D. Program through part-time mode will be permitted. Provided all the conditions stipulated in this direction are fulfilled.

The Higher educational institution concerned shall obtain a “**No Objection Certificate**” through the candidate for a part-time Ph. D. program from the appropriate authority in the organization where the candidate is employed, clearly stating that:

- i) The candidate is permitted to pursue studies on a part-time basis.
- ii) His/her office will permit him/her to devote sufficient time to research.
- iii) If required, he/she will be relieved from the duty to complete the coursework.

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 submit residential address proof with an 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 canceled.

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

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

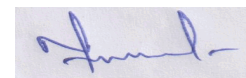
a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. The



research scholar has to submit a 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 fees 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(\*\* Fees applicable as per Notification Published by University time to time).
- c) **The course work shall be treated as a pre-requisite for the Ph. D. program. The candidate shall be required to complete the prescribed course work within one year after registration for the Ph. D. program.**
- d) **The Research Scholar shall submit a 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 canceled by the Research and Recognition Committee on the recommendations of the guide and Head of Place of Research.**
- e) It shall be mandatory for every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and the publication of a minimum of Two research papers (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 the 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 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,



Dr. Navin Parshuram Mungle  
Deputy Registrar (Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. Sachin Sheshrao Khade **(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 :



FORMAT NO. - 2

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

“(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> August, 1923 & presently a State University governed by Maharashtra Universities Act, 1994.)”

PH.D. (CELL)

Ph. No. 2542982

Fax No. 2542983

No. Ph.D. (Cell)/RRC/Guide/2244 /B/979

Nagpur, Dated the (8/4/2012)

From

The Deputy Registrar (Post Exams & Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University  
Nagpur

To

**Dr. Pradeep T. Karule**  
Asst. Professor  
Dept. of Electronics Engineering  
YCCE, Hingna Road  
Nagpur

Subject :- Recognition as a Supervisor for Ph.D.

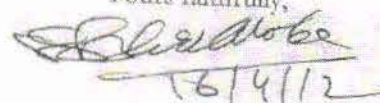
Reference :- Your application dated 14/05/2010

Sir/Madam,

With reference to above, I am directed to inform you that the Hon'ble Vice-Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendations of the Research and Recognition Committee on 11/4/2012 granting recognition as a Supervisor for a Ph.D. in the Subject **Electronics Engineering** Under the faculty of **Engineering and Technology**.

This is for your information.

Yours faithfully,

  
16/4/12





FORMAT NO. - 2

**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 Universities Act, 1994.)\*

**Ph.D. Cell**

Pariksha Bhavan, Laxminarayan Institute of Tech. R.T.M. Nagpur University, Amravati Road, Nagpur- 440033.

Phone No. & Fax No. (0712) 2542982, (0712) 2542983,

(0712) 2561347,

Mob.No. 08275045007

email ID :- [drphdcell@rediffmail.com](mailto:drphdcell@rediffmail.com)

No. Ph.D. (Cell)/RRC/ **156**

Nagpur, dated , **13/03/2015**.

**From :** Mr. Manish Zodpey,  
Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

**To,**

**Dr. Atish S. Kholragade,**

Asstt. Prof., Deptt. of Electronics Engineering,  
Yeshwantrao Chavan College of Engineering,  
Hingna Road, Nagpur.

**Subject :- Recognition as a Supervisor for Ph.D.**

**Reference :- Your application dated 18/01/2014.**

Sir/Madam,

With reference to above, I am directed to inform you that the Hon'ble Vice-Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendations of the Research and Recognition Committee on **29/01/2015** granting recognition as a Supervisor for a Ph.D. in the Subject **Electronics Engineering** Under the faculty of **Engineering & Technology**.

You are therefore, directed to submit your Mark list/ Degree /Ph.D. Degree Verification Certificate in Original within 30 days from receipt of this letter failing which your approval of Supervisor-ship will stands cancelled.

Yours faithfully,

  
**(Manish Zodpey)**

Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur 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)”



**Examinations and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/2023/ 703

Dated : 25/5/23

To,

**Dr. Pravin P. Zode**

Asst. Professor

Yeshwantrao Chavan College of Engineering

Nagpur

**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Electronics Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 29.01.2022 & 19.09.2022**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on **09.05.2023** has **granted** recognition as a Guide/Supervisor for Ph.D. in the subject **Electronics Engineering** under the faculty of **Science & Technology**.

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)”



**Examinations and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/2023/ 704

Dated : 15/5/23

To,

**Dr. Prasanha Mukund Palsodkar**

Asst. Professor

Yeshwantrao Chavan College of Engineering

Nagpur

**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Electronics Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 05.01.2022 & 12.09.2022**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on **09.05.2023** has **granted** recognition as a Guide/Supervisor for Ph.D. in the subject **Electronics Engineering** under the faculty of **Science & Technology**.

Yours faithfully,

Deputy Registrar  
(Ph.D. Cell)

\* \* \*



FORMAT NO. - 2

**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 Universities Act, 1994.)\*

**Ph.D. Cell**

Pariksha Bhavan, Laxminarayan Institute of Tech. R.T.M. Nagpur University, Amravati Road, Nagpur- 440033.  
Phone No. & Fax No. (0712) 2542982, (0712) 2512983, (0712) 2561347, Mob.No. 08275045007 email ID :- drphdcell@rediffmail.com

No. Ph.D. (Cell)/RRC/ 160

Nagpur, dated, 13/03/2015.

**From :** Mr. Manish Zodpey,  
Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

**To,**

**Dr. (Mrs) Shul Wasai V. Pathkantiwar,**  
Asstt. Prof., Deptt. of Elec. ronics Engg,  
Yeshwantrao Chavan College of Engineering,  
Hingna Rd, Wagholing, Nagpur.

**Subject :- Recognition as a Supervisor for Ph.D.**

**Reference :- Your application dated 10/01/2014.**

Sir/Madam,

With reference to above, I am directed to inform you that the Hon'ble Vice-Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendations of the Research and Recognition Committee on 29/01/2015 granting recognition as a Supervisor for a Ph.D. in the Subject **Electronics Engineering** Under the faculty of **Engineering & Technology**.

You are therefore, directed to submit your Mark list/ Degree /Ph.D. Degree Verification Certificate in Original within 30 days from receipt of this letter failing which your approval of Supervision shall stand cancelled.

Yours faithfully

(Manish Zodpey)

Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur 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 and Evaluation Bhawan, Laxminarayan Institute of Technology Premises,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/B/2019/667

Dated : 19 /10 /2019

To

**Dr. Yogesh Ashok Suryawanshi,**  
Asstt. Professor  
Yeshwantrao Chavan College of Engineering,  
Nagpur

**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Electronics Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 09/05/2019**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on **30/08/2019** has **granted recognition as a Guide/Supervisor** for Ph.D. in the subject **Electronics Engineering** under the faculty of **Science & Technology**.

Yours faithfully,

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

\* \* \*

**This is an electronically generated report, hence does not required signature**



**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)”



**Examinations and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/2021/1773

Dated : 31/12/2021

To,

**Dr. Ujwala Sushil Ghodeswar,**

Asso. Professor,

Yeshwantrao Chavan College of Engineering,  
Nagpur.


**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Electronics Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 10.02.2021**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on **26.11.2021** has **granted** recognition as a Guide/Supervisor for Ph.D. in the subject **Electronics Engineering** under the faculty of **Science & Technology**.

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

---

No. RTMNU/Ph.D.Cell./RRC/Guide/B/2019/669

Dated : 19 /10 /2019

To

**Dr. Rajesh D. Thakare,**  
Professor,  
Yeshwantrao Chavan College of Engineering,  
Nagpur

**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Electronics Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 15/03/2019**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on **30/08/2019** has **granted recognition as a Guide/Supervisor** for Ph.D. in the subject **Electronics Engineering** under the faculty of **Science & Technology**.

Yours faithfully,

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

**This is an electronically generated report, hence does not required signature**



3

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

“(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> August, 1923 & presently a State University governed by Maharashtra Universities Act, 1994.)”

**PH.D. (CELL)**

\*\*\*

Ph. No. 6580303  
2542982

No. Ph.D. (Cell)/RRC/Guide/ 39 B/82

Nagpur, Dated the 11/12/2010

From  
Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University  
Nagpur

To  
✓ Dr. Milind M. Mushrif,  
Asstt. Prof. Deptt.  
Pf Electronics and Telecommunication  
Engineering, VCCE,  
Hingna Road,  
Nagpur.

Subject :- Recognition as a Ph.D. & M.E. By Research Supervisor ✓

Reference :- Your application dated 13<sup>th</sup> May, 2010 ✓

Sir/Madam,

With reference to above, I am directed to inform you that the Hon'ble Vice-Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendations of the Research and Recognition Committee on 18/11/2010 granting recognition as a Supervisor for a Ph.D. & M.E. By Research in the Subject Electronics Engineering, Under the faculty of Engineering & Technology.

This is for your information.

Yours faithfully,

Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur 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)”



**Examinations and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/2020/ **1133**

Dated : **02/01/2021**

To,

**Dr. Dinesh Baburao Bhoyar**

Asst. Professor

Yeshwantrao Chavan College of Engineering

Nagpur


**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Electronics Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 27.01.2020**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on **05.12.2020** has **granted** recognition as a Guide/Supervisor for Ph.D. in the subject **Electronics Engineering** under the faculty of **Science & Technology.**

Yours faithfully,

  
Deputy Registrar  
f<sub>1</sub> (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)”



**Examinations and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/2022/94

Dated : 22/08/2022

To,

**Dr. Sachin Sheshrao Khade,**

Asstt. Professor

Yeshwantrao Chavan College of Engineering Wanadongri Hingna Road,

Nagpur- 441110

**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Electronics Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 24.09.2021**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on 22.07.2022 has **granted** recognition as a Guide/Supervisor for Ph.D. in the subject **Electronics Engineering** under the faculty of **Science & Technology**.

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)”

**Examinations and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/2022/97

Dated : 22/08/2022

To,

**Dr. Yogita Ujjwal Chitriv,**

Asstt. Professor,

Yeshwantrao Chavan College of Engineering Wanadongri Hingna Road

Nagpur-441110

**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Electronics Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 24.09.2021**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on 22.07.2022 has **granted** recognition as a Guide/Supervisor for Ph.D. in the subject **Electronics Engineering** under the faculty of **Science & Technology**.

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)”



**Examinations and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/2023/ 702

Dated : 15/5/23

To,

**Dr. Amoli Devesh Belsare**

Asst. Professor

Yeshwantrao Chavan College of Engineering

Nagpur

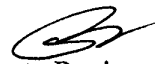
**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Electronics Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 30.12.2021 & 19.09.2022**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on **09.05.2023** has **granted** recognition as a Guide/Supervisor for Ph.D. in the subject **Electronics Engineering** under the faculty of **Science & Technology**.

Yours faithfully,

  
Deputy Registrar  
(Ph.D. Cell)

\* \* \*



FORMAT NO. - 2

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

“(Established by Government of Central Provinces Education Department by Notification No. 311 dated the 1<sup>st</sup> August, 1921 & presently a State University governed by Maharashtra Universities Act, 1954.)”

**PH.D. (CELL)**

No. Ph.D. (Cell)/RRC/Guide/58

Nagpur, Dated , 05/04/ 2014.

From

Shri F.K. Bhagat  
Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

Mob.No. 08275045007  
Ph. No. - (0712) - 2542982  
Fax. No. - (0712) - 2542983

To

**Dr. Manish D. Chavhan,**  
Asstt. Prof.  
Deptt. of Electronics Engineering,  
Ramdeobaba College of Engineering & Mang,  
Nagpur.

Subject :- Recognition as a Supervisor for Ph.D.

Reference :- Your application dated 05/09/2013.

Sir/Madam,

With reference to above, I am directed to inform you that the Hon'ble Vice-Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendations of the Research and Recognition Committee on 13/03/2014 granting recognition as a Supervisor for a Ph.D. in the Subject Electronics Engineering. Under the faculty of Engineering & Technology.

You are therefore, directed to submit your Mark list/ Degree /Ph.D. Degree Verification Certificate in Original within 30 days from receipt of this letter failing which your approval of Supervisorship will stands cancelled.

Yours faithfully,

Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University



(21)

FORMAT NO. - 2

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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PH.D. (CELL)

Ph. No. 2542982

Fax No. 2542983

No. Ph.D. (Cell)/RRC/Guide/ 2178 / B / 1073

Nagpur, Dated the 18/4/2012

From

The Deputy Registrar (Post Exams & Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University  
Nagpur

To

Dr. Udaykumar P. Waghe  
C.E.O. and Dean  
Yeshwantrao Chavan College of Engineering  
Hingna Road  
Nagpur

Subject :- Recognition as a Supervisor for Ph.D.

Reference :- Your application dated 06/07/2010

Sir/Madam,

With reference to above, I am directed to inform you that the Hon'ble Vice-Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendations of the Research and Recognition Committee on 11/4/2012 granting recognition as a Supervisor for a Ph.D. in the Subject Civil Engineering Under the faculty of Engineering and Technology.

This is for your information.

Yours faithfully,

  
16/4/12

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





FORMAT NO. - 2

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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PH.D. (CELL)

Ph. No. 2542982

Fax No. 2542983

No. Ph.D. (Cell)/RRC/Guide/ 2180 /B/1084

Nagpur, Dated the 18/4/2012

From

The Deputy Registrar (Post Exams & Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University  
Nagpur

To

Dr. Ajay Ramdas Gajbhiye  
Asst. Professor  
Dept. of Civil Engineering  
YCCE  
Nagpur

Subject :- Recognition as a Supervisor for Ph.D.

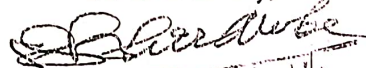
Reference :- Your application dated 24/11/2010

Sir/Madam,

With reference to above, I am directed to inform you that the Hon'ble Vice-Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendation of the Research and Recognition Committee on 11/4/2012 granting recognition as a Supervisor for the Subject Civil Engineering Under the faculty of Engineering and Technology.

This is for your information.

Yours faithfully,

  
16/4/12

Deputy Registrar (Post Exams & Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur 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)”



**Examinations and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/2021/1755

Dated : 31/12/2021

To,

**Dr. Abhay Vinayakrao Patil**

Professor,

Yeshwantrao Chavan College of Engineering,  
Nagpur.


**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject Civil Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated .....**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on 26.11.2021 has granted recognition as a Guide/Supervisor for Ph.D. in the subject Civil Engineering under the faculty of Science & Technology.

Yours faithfully,

  
Deputy Registrar  
(Ph.D. Cell)



D-31-A

**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)"

**Examinations and Evaluation Department**  
**(Ph.D. Cell)**  
**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,**  
**Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/2023/1939

Dated : 30/12/2023

To,

**Dr. Khalid Shamim Ansari**  
Asstt. Professor  
Yeshwantrao Chavan College of Engineering  
Wanadongri, Hingna Road  
Nagpur - 441110


**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject Civil Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 10.08.2023 / 20/06/2023**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on **30.11.2023** has **granted** recognition as a Guide/Supervisor for Ph.D. in the subject **Civil Engineering** under the faculty of **Science & Technology**.

Yours faithfully,

  
(Dr. Navin Parshuram Mungle)  
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/Guide/B/2019/1319

Dated : 02/03 /2019

To

**Dr. Sanjay P. Raut**

Asstt. Professor, Yeshwantrao Chavan College of Engineering  
Wanadongri, Nagpur

**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject Civil Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 12/04/2018**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on 18/02/2019 has granted recognition as a Guide/Supervisor for Ph.D. in the subject Civil Engineering under the faculty of Science & Technology.

Yours faithfully,

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

\* \* \*





## **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).)"

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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/R1/1805

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).)"

\*\*\*

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/2023/R1/271

Dated : 23-Dec-2023

To ,

**Sagar Wasudeo Dhengare**

Flat no. 113, Krishna Landmark apartment, Building A1, Near Rose  
Lawn, Ashtavinayak Road, Wanadongari, Taluka-Hingna, Dist.  
Nagpur-441110

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG20230306663

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **17/12/2023**  
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 :- Performance Evaluation of Quaternary Concrete by using Sugarcane  
Bagasse ash, Copper Slag and Hatchery Waste

Supervisor :- Dr. U.P.Waghe

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 24/08/2023

Based on 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. program as per Notification No. RTMNU/Accounts/367 dated 17th May, 2022 (\*\*Fees applicable as per Notification Published by University time to time).

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if the supervisor of the candidate leaves the place of research and joins another institute/college, before submission of a thesis of his/her registered candidate, the Ph. D. researcher should be made aware by a 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 sending 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 **Direction No. 11/2023** 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 that is pursued either full time or part time will be treated as a 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. The degree program shall be for a 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 years from the date of admission to the Research center.**

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. Program. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph. D. Program for up to 240 days.

4) **Full time** Ph. D. Program candidates under full time mode shall undertake research work in University Departments or Colleges/Autonomous Colleges/Conducted Colleges/Place of Higher learning and Research (HLR) and shall be available during the working hours for research activities.

Candidates in employment, who wish to pursue full time shall be required to submit a No Objection Certificate from his/her employer & should avail leave for the research period.

5) **Part time** Ph. D. Program through part-time mode will be permitted. Provided all the conditions stipulated in this direction are fulfilled.

The Higher educational institution concerned shall obtain a “**No Objection Certificate**” through the candidate for a part-time Ph. D. program from the appropriate authority in the organization where the candidate is employed, clearly stating that:

- i) The candidate is permitted to pursue studies on a part-time basis.
- ii) His/her office will permit him/her to devote sufficient time to research.
- iii) If required, he/she will be relieved from the duty to complete the coursework.

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 submit residential address proof with an 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 canceled.

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

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

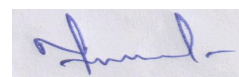
a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. The



research scholar has to submit a 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 fees 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(\*\* Fees applicable as per Notification Published by University time to time).
- c) **The course work shall be treated as a pre-requisite for the Ph. D. program. The candidate shall be required to complete the prescribed course work within one year after registration for the Ph. D. program.**
- d) **The Research Scholar shall submit a 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 canceled by the Research and Recognition Committee on the recommendations of the guide and Head of Place of Research.**
- e) It shall be mandatory for every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and the publication of a minimum of Two research papers (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 the 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 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,



Dr. Navin Parshuram Mungle  
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 :



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/R1/

127

Dated : 07-08-2020

To,

Sujhilkumar 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 Science

Faculty of Science & Technology

and Date of Registration are as under :-

The approved topic, Supervisor, Place of Research

under the

Topic of Research :-

Information Retrieval from Object for Ranking using Machine Learning Techniques

Supervisor :-

Dr. M. M. Raghuwanshi

Place of Research :-

Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :-

31-01-2020



FORMAT NO. 2

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**  
“(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> August, 1923 & presently a State University governed by Maharashtra Universities Act, 1994.)”

PH.D. (CELL)

Ph. No. 0712-25-42982  
Fax No 0712-25-42983

No. Ph.D. (Cell)/RRC/Guide/368

Nagpur, Dated the 6<sup>th</sup> May, 2013

From

The Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University  
Nagpur

To

**Dr. Kishor Kesharao Bhojar,**  
Asstt. Professor,  
Deptt. of Information Technology,  
Yeshwantrao Chavhan College of Engineering,  
Hingna Road, Wanadongri,  
Nagpur- 441110.

Subject :- Recognition as a Supervisor for Ph.D.

Reference :- Your application dated 15/08/2010.

Sir/Madam,

With reference to above, I am directed to inform you that the Hon<sup>ble</sup> Vice Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendations of the Research and Recognition Committee on 02/05/2013 granting recognition as a Supervisor for a Ph.D. in the Subject Computer Science & Technology Under the faculty of Engineering Technology.

This is for your information.

Yours faithfully,

Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj



## DATTA MEGHE INSTITUTE OF MEDICAL SCIENCES

(Declared As deemed to be university under section 3 of UGC Act, 1956)

Conferred 'A' Grade Status by HRD Ministry, Govt. of India

Re-accredited by NAAC (3<sup>rd</sup> cycle) with A+ Grade (Score 3.53 on 4 Point Scale)

Placed under Group-I category (Autonomous Deemed to be University) by UGC

Ph. No. : 0712- 2244766 , Email : coedmimsdu@gmail.com Website: dmims.org

### :-: NOTIFICATION :-:

No: - DMIMS (DU)/PhD-Sup./41

Date: - 08.06. 2021

It is notified for the information of all the concerned that the Hon'ble Vice-Chancellor in pursuance of powers vested in him has approved, **Dr. Rajesh C. Dharmik**, to be recognized as **Ph.D. Supervisor** in the speciality of 'Computer Science and Engineering' under the **Faculty of Engineering & Technology** for a period of five years.

Registrar

Copy with compliments to -

1. Hon. Pro Chancellor & Chief Advisor, DMIMS (D.U.), Nagpur.
2. Hon. Vice Chancellor, DMIMS (D.U.), Nagpur
3. Hon. Pro Vice-Chancellor, DMIMS (D.U.), Nagpur.
4. The Chief Co-ordinator, DMIMS (D.U.), Sawangi (Meghe), Wardha
5. **Dr. Rajesh C. Dharmik, Asst. Prof. Dept. of IT, YCCE, Wanadongri, Nagpur.**
6. **The Principal, YCCE, Wanadongri, Nagpur**
7. The Dean, JNMC, Sawangi (Meghe), Wardha
8. The Dean, SPDC, Sawangi (Meghe), Wardha
9. The Principal, MGACH&RC, Salod (H), Wardha
10. The Principal, SRMMCON Sawangi (Meghe), Wardha
11. The Principal, R.N.P.C., Sawangi (Meghe), Wardha.
12. The Principal, DMCP, Salod (H), Wardha
13. The Dean, DMMC, Wanadongri, Nagpur
14. The Dean (Examinations), DMIMS (DU), Wardha
15. The Dean (Academics), J.N.M.C., Sawangi (Meghe), Wardha
16. The Dean (Academics), S.P.D.C., Sawangi (Meghe), Wardha
17. The Dean (Academics), MGACH&RC, Salod (H), Wardha
18. The Dean (Academics), SRMMCON, Sawangi (Meghe), Wardha
19. The Dean (Academics), Pharmaceutical Sciences, DMCP, Salod (H), Wardha
20. The Dean, Faculty of Interdisciplinary Health Sciences, & Director Innovations
21. The Director, School of Advanced Studies, Sawangi (Meghe), Wardha.
22. The Director, School for Health Professionals Education & Research, DMIMS (DU), Wardha.
23. The Director, (Personnel & Planning), D.M.I.M.S. (D.U.), Nagpur
24. The Director (Strategic Initiatives & International Relations) DMIMS (D.U.), Nagpur
25. The Director, I.Q.A.C., Wardha
26. **The H.O.D., Dept. of IT, YCCE, Wanadongri, Nagpur**
27. The Director, EAE, DMIMS(DU), Nagpur
28. Finance Officer, D.M.I.M.S. (D.U.), Wardha
29. Website In-charge, D.M.I.M.S. (D.U.), Wardha



**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 Universities Act, 1994.)

Phone No. & Fax No. (0712) 2542982, (0712) 2542983, Ph.D. Cell  
Pariksha Bhavan, Laxminarayan Institute of Tech. R.T.M. Nagpur University, Amravati Road, Nagpur-440033.  
email ID :- [drphdcell@rediffmail.com](mailto:drphdcell@rediffmail.com)  
(0712) 2561347, Mob.No. 98275045007

No. Ph.D. (Cell)/RRC/H7

Nagpur, dated 09/02/2015.

From : Mr. Manish Zodpey,  
Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

To,

Dr. (Ms) Ujwala H. Gawande,  
Asstt. Prof., Deptt. of Computer Technology,  
Yeshwantrao Chavhan College of Engineering,  
Hingna Rd, Wanadongri, Nagpur.

Subject :- Recognition as a Supervisor for Ph.D. &amp; M.E. By Research.

Reference :- Your application dated 08/05/2014.

Sir/Madam,

With reference to above, I am directed to inform you that the Hon'ble Vice-Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendations of the Research and Recognition Committee on 29/01/2015 granting recognition as a Supervisor for a Ph.D. & M.E. By Research, in the Subject Computer Sci. & Technology Under the faculty of Engineering & Technology.

You are therefore, directed to submit your Mark list/ Degree /Ph.D. Degree Verification Certificate in Original within 30 days from receipt of this letter failing which your approval of Supervisor-ship will stands cancelled.

Yours faithfully,

  
(Manish Zodpey)

Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University



## DATTA MEGHE INSTITUTE OF MEDICAL SCIENCES

(Declared As deemed to be university under section 3 of UGC Act,1956)

Conferred 'A' Grade Status by HRD Ministry, Govt. of India

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Placed under Group-I category (Autonomous Deemed to be University) by UGC

Ph. No. : 0712- 2244766 , Email : coedmimsdu@gmail.com Website: dmims.org

### **:-: NOTIFICATION :-:**

No: - DMIMS (DU)/PhD-Sup./21

Date: - 01.04. 2021

It is notified for the information of all the concerned that the Hon'ble Vice-Chancellor in pursuance of powers vested in him has approved, **Dr. Ujwalla H. Gawande**, to be recognized as **Ph.D. Supervisor** in the speciality of 'Information Technology' under the **Faculty of Engineering & Technology** for a period of five years.

Registrar

Copy with compliments to -

1. Hon. Pro Chancellor & Chief Advisor, DMIMS (D.U.), Nagpur.
2. Hon. Vice Chancellor, DMIMS (D.U.), Nagpur
3. Hon. Pro Vice-Chancellor, DMIMS (D.U.), Nagpur.
4. The Chief Co-ordinator, DMIMS (D.U.), Sawangi (Meghe), Wardha
5. **Dr. Ujwalla Gawande, Prof. Dept. of IT, YCCE, Wanadongri, Nagpur.**
6. **The Principal, YCCE, Wanadongri, Nagpur**
7. The Dean, JNMC, Sawangi (Meghe), Wardha
8. The Dean, SPDC, Sawangi (Meghe), Wardha
9. The Principal, MGACH&RC, Salod (H), Wardha
10. The Principal, SRMMCON Sawangi (Meghe), Wardha
11. The Principal, R.N.P.C., Sawangi (Meghe), Wardha.
12. The Principal, DMCP, Salod (H), Wardha
13. The Dean, DMMC, Wanadongri, Nagpur
14. The Dean (Examinations), DMIMS (DU), Wardha
15. The Dean (Academics), J.N.M.C., Sawangi (Meghe), Wardha
16. The Dean (Academics), S.P.D.C., Sawangi (Meghe), Wardha
17. The Dean (Academics), MGACH&RC, Salod (H), Wardha
18. The Dean (Academics), SRMMCON, Sawangi (Meghe), Wardha
19. The Dean (Academics), Pharmaceutical Sciences, DMCP, Salod (H), Wardha
20. The Dean, Faculty of Interdisciplinary Health Sciences, & Director Innovations
21. The Director, School of Advanced Studies, Sawangi (Meghe), Wardha.
22. The Director, School of Health Professionals Education & Research, DMIMS (DU), Wardha.
23. The Director, (Personnel & Planning), D.M.I.M.S. (D.U.), Nagpur
24. The Director (Strategic Initiatives & International Relations) DMIMS (D.U.), Nagpur
25. The Director, I.Q.A.C., Wardha
26. **The H.O.D., Dept. of IT, YCCE, Wanadongri, Nagpur**
27. The Director, EAE, DMIMS(DU), Nagpur
28. Finance Officer, D.M.I.M.S. (D.U.), Wardha
29. Website In-charge, D.M.I.M.S. (D.U.), Wardha



FORMAT NO.-2

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

*(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> August, 1924 & presently a State University governed by Maharashtra Universities Act, 1994.)*

**PH.D. (CELL)**

\*\*\*

Ph. No. 6580303  
2542982

No. Ph.D. (Cell)/RRC/Guide/23 B/66 Nagpur, Dated the 10/2/2010

From

Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University  
Nagpur

To

Dr. Manali M. Kshirsagar,  
Deptt. of Computer Technology,  
YCCE,  
Nagpur.

Subject :- Recognition as a Ph.D. & M.E. By Research Supervisor

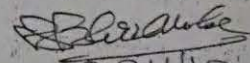
Reference :- Your application dated 28<sup>th</sup> June, 2010

Sir/Madam,

With reference to above, I am directed to inform you that the Hon'ble Vice-Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendations of the Research and Recognition Committee on 18/11/2010 granting recognition as a Supervisor for a Ph.D. & M.E. By Research in the Subject Computer Science and Technology, Under the faculty of Engineering & Technology.

This is for your information.

Yours faithfully,

  
20/11/10





FORMAT NO. - 2

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

"Established by Government of Central Provinces Education Department by Notification No. 311 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Universities Act, 1954."

Ph.D. Cell

Pariksha Bhawan, Laxminagar Institute of Tech. R.T.M. Nagpur University, Amravati Road, Nagpur-440033.  
Phone No. & Fax No. (0754) 2542984. (0754) 2542983. (0754) 2551347. Mob.No. 9879043087 email ID :- drgibha@rediffmail.com

No. Ph.D. (Cell)/RRC/48

Nagpur, dated 09/02/2015.

From : Mr. Manish Zodpey,  
Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

To,

**Dr. Kavita R. Singh,**

Asstt. Prof., Deptt. of Computer Technology.,  
Yeshwantrao Chavhan College of Engineering,  
Hingna Rd, Wanadongri, Nagpur.

Subject :- Recognition as a Supervisor for Ph.D. & M.E. By Research.

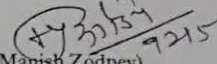
Reference :- Your application dated 12/05/2014.

Sir/Madam,

With reference to above, I am directed to inform you that the Hon'ble Vice-Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendations of the Research and Recognition Committee on 29/01/2015 granting recognition as a Supervisor for a Ph.D. & M.E. By Research. in the Subject ~~Electrical Engineering~~ <sup>Electrical-  
Comp. sci & Tech</sup> Under the faculty of Engineering & Technology.

You are therefore, directed to submit your Mark list/ Degree /Ph.D. Degree Verification Certificate in Original within 30 days from receipt of this letter failing which your approval of Supervisor-ship will stands cancelled.

Yours faithfully,

  
(Manish Zodpey)

Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur 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)”



**Examinations and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/2022/89

Dated : 22/08/2022

To,

**Dr. Arvind Ramdas Patil Bhagat,**

Asso. Professor

Yeshwantrao Chavan College of Engineering Wanadongri Hingna Road,

Nagpur- 441110

**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Computer Science & Technology under the faculty of Science &  
Technology.**

**Reference :- Your application dated 20.09.2021**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on 22.07.2022 has **granted** recognition as a Guide/Supervisor for Ph.D. in the subject Computer Science & Technology under the faculty of **Science & Technology**.

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 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/2023/R1/1172

Dated : 15-Oct-2024

To ,

**Lata Rahul Tembhare**

flat no e104 phase 1 pioneer woods wanadongri nagpur

Subject : - Registration for Ph.D Degree Part Time

Application Number : PHDRG202303699551

Sir/Madam,

This is to inform you that the Research and Recognition Committee meeting held on **18/09/2024** has accepted your application for Registration for Ph.D. Degree in the subject of

**COMPUTER TECHNOLOGY**

under the

**Faculty of Science & Technology**

The approved topic, Supervisor, Place of Research

and Date of Registration are as under :-

Topic of Research :- Risk analysis of COVID-19 survivors health using machine learning

Supervisor :- Dr. Manali Kshirsagar

Co-Supervisor (if Any) :-

Place of Research :- Yeshwantrao Chavan College of Engineering Nagpur

Date Of Registration :- 01/09/2023

Based on 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. program as per Notification No. RTMNU/Accounts/367 dated 17thMay, 2022 (\*\*Fees applicable as per Notification Published by University time to time).

Supervisor & Candidate are to take note that, in case of superannuation of the supervisor or if the supervisor of the candidate leaves the place of research and joins another institute/college, before submission of a thesis of his/her registered candidate, the Ph. D. researcher should be made aware by a 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 sending 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 **Direction No. 11/2023 & 34/2023** 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 that is pursued either full time or part time will be treated as a 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. The degree program shall be for a 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 years from the date of admission to the Research center.**

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. Program. In addition, the women candidates may be provided maternity leave/child care leave once in the duration of the Ph. D. Program for up to 240 days.

4) **Full time** Ph. D. Program candidates under full time mode shall undertake research work in University Departments or Colleges/Autonomous Colleges/Conducted Colleges/Place of Higher learning and Research (HLR) and shall be available during the working hours for research activities.

Candidates in employment, who wish to pursue full time shall be required to submit a No Objection Certificate from his/her employer & should avail leave for the research period.

5) **Part time** Ph. D. Program through part-time mode will be permitted. Provided all the conditions stipulated in this direction are fulfilled.

The Higher educational institution concerned shall obtain a “**No Objection Certificate**” through the candidate for a part-time Ph. D. program from the appropriate authority in the organization where the candidate is employed, clearly stating that:

- i) The candidate is permitted to pursue studies on a part-time basis.
- ii) His/her office will permit him/her to devote sufficient time to research.
- iii) If required, he/she will be relieved from the duty to complete the coursework.

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 submit residential address proof with an 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 canceled.

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

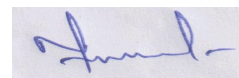
In addition to the above, the candidate shall follow the instructions as mentioned below :

a) He/she shall submit his original qualifying degree certificate which shall be returned to him after verification. The

research scholar has to submit a 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 fees 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(\*\* Fees applicable as per Notification Published by University time to time).
- c) **The course work shall be treated as a pre-requisite for the Ph. D. program. The candidate shall be required to complete the prescribed course work within one year after registration for the Ph. D. program.**
- d) **The Research Scholar shall submit a 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 canceled by the Research and Recognition Committee on the recommendations of the guide and Head of Place of Research.**
- e) It shall be mandatory for every candidate (Full Time as well as Part Time) shall submit the Proof of compilation of the Course Work, the Pre-Submission Seminar and the publication of a minimum of Two research papers (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 the 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 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,



Dr. Navin Parshuram Mungle  
Deputy Registrar (Ph.D. Cell)

Copy forwarded to :-

- 1) Name of Supervisor : Dr. Manali 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 :





**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/ 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.

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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/ 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.



- 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.
-



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



**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/Guide/B/2019/1219

Dated : 01/03 /2019

To

**Dr. Jayant Pratap Giri**

Asso. Professor, Yeshwantrao Chavan College of Engineering,  
Nagpur

**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Mechanical Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 19/12/2018**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on **18/02/2019** has **granted recognition as a Guide/Supervisor** for Ph.D. in the subject **Mechanical Engineering** under the faculty of **Science & Technology**.

Yours faithfully,

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

\* \* \*





FORMAT NO. - 2

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**  
"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> August, 1923 & presently a State University governed by Maharashtra Universities Act, 1994.)"

PH.D. (CELL)

Ph. No. 0712-2542982  
Fax No 0712-2542983

Nagpur, Dated the 9th May, 2013

No. Ph.D. (Cell)/RRC/Guide/417

From

The Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University  
Nagpur

To

**Dr. Sharad Sudhakarrao Chaudhari,**  
Associate Professor,  
Deptt. of Mechanical Engineering,  
Yeshwantrao Chavhan College of Engineering,  
Wanadongri, Hingna Road,  
Nagpur-441110.

Subject :- Recognition as a Supervisor for Ph.D.

Reference :- Your application dated 08/07/2011.

Sir/Madam,

With reference to above, I am directed to inform you that the Hon'ble Vice-Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendations of the Research and Recognition Committee on 02/05/2013 granting recognition as a Supervisor for a Ph.D. in the Subject **Mechanical Engineering** Under the faculty of Engineering Technology.

This is for your information.

Yours faithfully,

Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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(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/Guide/B/2019/1220

Dated : 01/03 /2019

To

**Dr. Rajkumar Babanrao Ghadge**

Asso. Professor, Yeshwantrao Chavan College of Engineering  
Nagpur.

**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Mechanical Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 19/12/2018**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on **18/02/2019** has **granted recognition as a Guide/Supervisor** for Ph.D. in the subject **Mechanical Engineering** under the faculty of **Science & Technology**.

Yours faithfully,

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

\* \* \*



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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(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**

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No. RTMNU/Ph.D.Cell./RRC/Guide/B/2019/1215

Dated : 01/03/2019

To

**Dr. Sandip Sudhakar Rao Khedkar**

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

**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Mechanical Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 12/04/2018**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on **18/02/2019** has **granted recognition as a Guide/Supervisor** for Ph.D. in the subject **Mechanical Engineering** under the faculty of **Science & Technology**.

Yours faithfully,

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

\* \* \*



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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**Examinations and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/2021/ **1351**

Dated : **17/05/2021**

To,

**Dr. Prashant Dnyaneshwar Kamble**

Asst. Professor

Yeshwantrao Chavan College of Engineering

Nagpur


**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Mechanical Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 24.12.2020**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on **26.03.2021** has **granted** recognition as a Guide/Supervisor for Ph.D. in the subject **Mechanical Engineering** under the faculty of **Science & Technology**.

Yours faithfully,

  
Deputy Registrar  
(Ph.D. Cell)

\* \* \*





**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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**Examinations and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/2022/102

Dated : 22/08/2022

To,

**Dr. Sachin Papparao Ambade,**  
Yeshwantrao Chavan College of Engineering  
Wanadongri Hingna Road,  
Nagpur- 441110

**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Mechanical Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 14.09.2021**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on 22.07.2022 has **granted** recognition as a Guide/Supervisor for Ph.D. in the subject **Mechanical Engineering** under the faculty of **Science & Technology**.

Yours faithfully,

Deputy Registrar  
(Ph.D. Cell)

\* \* \*



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

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**Examinations and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/2021/ 1350

Dated : 17/05/2021

To,

**Dr. Shrikant Rajabhau Jachak**

Asst. Professor

Yashwantrao Chavan College of Engineering

Nagpur


**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Mechanical Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 24.12.2020**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on 26.03.2021 has **granted** recognition as a Guide/Supervisor for Ph.D. in the subject **Mechanical Engineering** under the faculty of **Science & Technology**.

Yours faithfully,

  
Deputy Registrar  
(Ph.D. Cell)

\* \* \*



## **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**

"(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/R1/1577

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/R1/1641

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 :
-





FORMAT NO. - 2

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

“(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> August, 1923 & presently a State University governed by Maharashtra Universities Act, 1994.)”

**PH.D. (CELL)**

Ph. No. 6580303  
2542982

No. Ph.D. (Cell)/RRC/Guide/ 192 B/157

Nagpur, Dated the 26.10.09

From

The Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University  
Nagpur

To

Dr. Ravindra M. Moharil  
Asst. Professor  
Dept. of Electrical Engineering  
YCCE  
Nagpur

Subject:- Recognition as a Supervisor for Ph.D./M.E./M.Ph.T./M.T.O. By Research

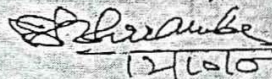
Reference:- Your application dated 20/04/2009

Sir/Madam,

With reference to above, I am directed to inform you that the Hon'ble Vice-Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendations of the Research and Recognition Committee dated 16/09/2009 granting recognition as a Supervisor for a Ph.D./M.E./M.Ph.T./M.T.O. By Research in the Subject Electrical Engineering Under the faculty of Engineering Technology.

This is for your information.

Yours faithfully,

  
12/10/09  
Deputy Registrar (Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University





FORMAT NO. - 2

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**  
“(Established by Government of Central Provinces Education Department by Notification No. 313 dated the 1<sup>st</sup> August, 1923 & presently a State University governed by Maharashtra Universities Act, 1994.)”

PH.D. (CELL)

Ph. No. 2542982  
Fax No. 2542983

No. Ph.D. (Cell)/RRC/Guide/2/59 18/1037

Nagpur, Dated the 18/4/2012

From

The Deputy Registrar (Post Exams & Ph.D. Cell)  
Rashtrasant Tukadoji Maharaj  
Nagpur University  
Nagpur

To

Dr. S.G. Kadwane  
Asst. Professor  
Yashwantrao Chavhan College of Engineering  
Hingna Road  
Wanadongri  
Nagpur

Subject :- Recognition as a Supervisor for Ph.D.

Reference :- Your application dated 22/12/2010

Sir/Madam,

With reference to above, I am directed to inform you that the Hon'ble Vice-Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendations of the Research and Recognition Committee on 11/4/2012 granting recognition as a Supervisor for a Ph.D. in the Subject **Electrical Engineering** Under the faculty of Engineering and Technology.

This is for your information.

Yours faithfully,

  
1.11.12





**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)”

**Examinations and Evaluation Department  
(Ph.D. Cell)  
Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell/RRC/Guide/2020/ **1136**

Dated : **02/01/2021**

To,

**Dr. Prafullachandra Madhukar Meshram**  
Asst. Professor  
Yeshwantrao Chavan College of Engineering  
Nagpur


**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Electrical Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 20.05.2019**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on **05.12.2020** has granted recognition as a Guide/Supervisor for Ph.D. in the subject **Electrical Engineering** under the faculty of **Science & Technology**.

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)”

**Examinations and Evaluation Department  
(Ph.D. Cell)**

**Examination & Evaluation Building, Laxminarayan Institute of Technology Premises,  
Amravati Road Nagpur-440033**

No. RTMNU/Ph.D.Cell./RRC/Guide/2020/ **1135**

Dated : **02/01/2021**

To,

**Dr. Sarla P. Adhau**

Asst. Professor  
Yeshwantrao Chavan College of Engineering  
Nagpur


**Subject :- Recognition for Guiding/Supervising Ph.D. Scholars in the subject  
Electrical Engineering under the faculty of Science & Technology.**

**Reference :- Your application dated 20.05.2019**

Sir/Madam,

With reference to your application, I am pleased to inform you that the Board of Deans in its meeting held on **05.12.2020** has granted recognition as a Guide/Supervisor for Ph.D. in the subject **Electrical Engineering** under the faculty of **Science & Technology**.

Yours faithfully,

  
Deputy Registrar  
(Ph.D. Cell)

\* \* \*



Revised

## **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/R1/1865

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 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.S.P.ADHU **(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.
- 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**

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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.

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 :
-



## **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**

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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 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 :-

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 :- Designand 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**

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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/R1/1555

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:

<b>Fee structure of Ph. D. Program</b>		
<b>S. No.</b>	<b>Particulars</b>	<b>Fee Rs.</b>
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
Name of Bank	Punjab National Bank	HDFC Bank
Account name	Kalinga University	Kalinga University
Branch	Naya Raipur, Chhattisgarh, (India)	Naya Raipur, Chhattisgarh, (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,

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

Ref. No.: KU/PHD/ENT2022/EC/211

Naya Raipur, Dated: 05-09-2022

Reference: KU/ Ph.D./Entrance Examination/2022

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

Dear **Ms./Mr. Shital Kewte,**

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 15 <sup>th</sup> September 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/-
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<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.*

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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, (India)	Naya Raipur, Chhattisgarh, (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,

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



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

