



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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

Hingna Road, Wanadongri, Nagpur - 441 110

NAAC Accredited with 'A++' Grade

Ph.: 07104-242919, 242623, 242588

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

Summary of 3.2.1


Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

Year	2021-22
(INR In Lakhs)	24.73

Supporting Documents

1. E copies of sanction letters of Government and non-Governmental agencies
2. First page of research base project reports




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

Index-3.2.1

2021-22

Sr. No	Name of Supporting Document	Page Nos.
1.	E copies of sanction letters of Government and non-Governmental agencies	1-58
2.	First page of Research Base Project Reports	59-152

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

From: <SERB_Administrator@serbonline.in>
Date: Wed, Sep 28, 2022 at 12:18 PM
Subject: SERB-Notification
To: <serbinfo1@gmail.com>

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

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)

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

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

Assistance to Professional Bodies and Seminar Symposia

File Number: SSY/2022/000532

Dated: 28-Sep-2022

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

Dear Mr. Piyush Shrikrishna Patil,

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

The grant is only for "**AC and DC Microgrids: Configurations, Controls and Applications**"
Dated: 10-Nov-2022 to 11-Nov-2022

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

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

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

With kind regards,

(Dr. Sukumar Dey)

Scientist C

Ph:

Email: seminar.symposia@serb.gov.in

Mr. Piyush Shrikrishna Patil

Electrical

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

***** LEGAL DISCLAIMER *****

Please do not reply to this mail !!

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

This is a system generated information and does not require any signature. This E-Mail may contain Confidential and/or legally privileged Information and is meant for the intended recipient(s) only. If you have received this e-mail in error and are not the intended recipient/s, kindly notify us at info@serbonline.in and then delete this e-mail immediately from your system. Any unauthorized review, use, disclosure, dissemination, forwarding, printing or copying of this email or any action taken in reliance on this e-mail

is strictly prohibited and may be unlawful. Internet communications cannot be guaranteed to be timely, secure, error or virus-free. The sender does not accept any liability for any errors, omissions, viruses or computer problems experienced by any recipient as a result of this e-mail.

Co Ordinator Application Accepted

From: no-reply (aicte.admin@aicte-india.org)

To: milindmushrif@gmail.com

Date: Tuesday, 26 July, 2022 at 02:10 pm IST

ATAL

Milind Mushrif,

Your application with Application Number 1650514378 has been Accepted!

Kindly verify your details.

Thanks,
Team ATAL



Co-ordinator

ujwallgawande@yahoo.co.in



Co-ordinator Applications

Please read scheme document 2022-2023 carefully before applying

[Click here for portal guide](#)

1

Application Number: 1584163691
Academic Year: 2020-21
Status: FDP Not Considered in 2020-21

Preview

2

Application Number: 1649996582
Academic Year: 2022-23
Status: Deleted

3

Application Number: 1649998155
Academic Year: 2022-23
Status: Deleted

4

Application Number: 1650246339
Academic Year: 2022-23
Status: Accepted

Preview

Tools ATAL_Calender_202... x

29 / 40 132%

		Entrepreneurship Development			Intelligence, Machine Learning And Deep Learning In Domestic & International Business Management With Special Reference To Education Sect
1651553447	Sunita Sachin Dhotre	Bharati Vidyapeeth Deemed University College of Engineering	Pune	Maharashtra	Emerging Trends In Data Science And Analytics
1650246339	Ujwalla Gawande	Yeshwantrao Chavan College of Engineering	Nagpur	Maharashtra	Research Applications of Artificial Intelligence And Machine Learning
1651131922	Vasudev D. Shinde	D.K.T.E. Society's Textile & Engineering Institute	Kolhapur	Maharashtra	3D Printing And Advanced Manufacturing

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

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

2. Details of Idea:

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

2.3 Briefly explain newness/uniqueness of the innovation

The field of the invention for the proposed work is for cleaning the fan blades of a ceiling fan. Cleaning devices of many shapes and sizes have been created for handling a variety of needs. Currently, there are no devices that allow a user to clean ceiling fan blades without the use of a ladder, step stool, or other elevating devices.

2.4 Concept & Objective

Concept: The present invention relates to cleaning devices and, more specifically, to a device that allows a user to clean both the top and bottom of a ceiling fan blade without the need for an elevating device of any kind. The invention may be adapted to work with a wide variety of 10 blade types, shapes, and sizes. It is the purpose and objective of the present invention to provide an improved means for safely cleaning both the tops and bottoms of ceiling fan blades without the need for ladders, step stools, or other elevating devices. It is a further objective of the present invention to provide a cleaning device for ceiling blades that will not, in any way, damage the blade, its finish, or fan mechanism through normal use. It is yet another feature and objective of the present invention to provide a one-piece cleaning cover that is easily installed for cleaning or removed for replacement. Objective: The main objectives of our innovative idea is: a)9To provide economic and efficient solutions for the ceiling fan cleaning process. b)9To develop easy to operate and portable device. c)9To improve to clean and eco-friendly environment in hospitals and government office. d)9To reduce the kati shoola or kati graham and considered to be an imbalance or vikrati in human body. e)9To provide comfort during cleaning of ceiling fan.

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

3. Financial requirements:

3.1 Activity-wise break

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

Approved Activity-wise break

Approved By	Approved Date
PMAC	23/07/2022

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

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

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

Application Remarks

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

 I declare that:

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



SPICES - Sanction Letter

F.No. 10-224/AICTE/IDC/SPICES/2020-21

Dated: 23.02.2022

To

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

Subject: Release of a sum of **Rs.1,00,000/-** (Rupees One lakh only) as Grant-in-Aid under **AICTE-SPICES** for the year 2022-23 payable during the current financial year 2021-22-reg.

Madam/Sir,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of **Rs.1,00,000/-** (Rupees One lakh only) to support the student club/chapter/society (**hereinafter referred to as 'Club'**) under the "**Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES)**", as per details given below:

1.	Name and address of the Beneficiary Institute:	Yeshwantrao Chavan College of Engineering, Nagpur, Maharashtra - 441110.
2.	Permanent ID of Institute:	1-4736951
3.	Name of student club:	IEEE Student Branch, YCCE
4.	Name of Coordinator:	Dr. Prasanna Palsodkar
5.	Name of Co-coordinator	Prachi Palsodkar
6.	Grant-in-aid Sanctioned:	Rs.1,00,000/- (Rupees One Lakh only)
7.	Amount to be released during the year 2021-22	Rs.1,00,000/- (Rupees One Lakh only) ✓
8.	Sanctioned grant-in-aid is debit to:	Major Head 602.22 (a) General (Non-Plan Head)

- The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education, New Delhi on the Grant-in-aid bill and shall be disbursed to and credited to the account of Registrar/ Director/ Principal of the institute through RTGS.
- This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the Scheme as already communicated and also being communicated in this letter.

The instructions/ guidelines to be followed by college/institution

I. Release of funds

- a. The Principal/ Director of the institute and the Coordinator of the student club is hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the proposal, against 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	Opp, Gulmohar Hall, Khamla, Nagpur-440025.	Principal, Yeshwantrao Chavan College of Engineering	Current Account	1472002100003909 (Nine) ✓	PUNB0147200 ✓

In case of any omission the same should be reported to AICTE within 7 (Seven) days.

- b. The full amount of the grant sanctioned is being released as advance to the College/ Institute.
c. This sanction is issued in exercise of the powers delegated to the Council and other terms and condition laid down in the guidelines of the Scheme.

II. Limit of Funding

- a. The grant from AICTE will be Rs.1,00,000/- (Rupees One lakh only) and the institute required to make a contribution of Rs.(100001 to 200000) to the club (as committed by institute in the proposal), non-compliance of which shall invite penal action.

III. Utilization of funds

- a. Funds once released/sanctioned for supporting the particular student club cannot be utilized for any other programme/ student club.
- b. Students on roll in the institute shall be the member of the club.
- c. The grant can be utilized for supporting Interests/Hobbies, Creativity/ Imagination/ Innovation and Ethics/ Value through a range of student activities and meeting the cost of registration and travel (up to 40% of the total grant) of students of the beneficiary club, participating in outstation activities.
- d. Ex-students and ex- faculty members and other officials of the institute shall not be the member of club.
- e. The clubs must be encouraged to reach out alumni and industries for fund-raising for their events.
- f. Coordinator will maintain an electronic record of activities, participants etc..

IV. Maintenance of accounts

- a. The institute shall strictly follow the provisions laid down in the Scheme document and this sanction letter. All correspondence related to the project must contain the number of this letter alongwith year of sanction of the project failing which correspondence will not be entertained.
- b. The institute shall maintain proper accounts of the expenditure out of the grant and the Council or its nominee shall have the right to check, verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
- c. Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant.

V. Refund of grant to AICTE (by way of a demand draft in favour of Member Secretary, AICTE, New Delhi)

- a. The grant shall be refunded to AICTE if the Letter of Approval (LOA) or Extension of Approval is not issued by AICTE to the institute for the academic year 2021-22.
- b. Interest accrued on the grant released, shall be refunded to AICTE.
- c. No payment is permissible against the activities **already conducted** by club
- d. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

VI. Documents to be uploaded on AICTE Dashboard/ Portal

a. On receipt of grant:

- i. The Acceptance Letter within 7 days from the date of receipt of the Sanction Letter duly signed and seal affixed by Coordinator and Head of the Institutions.

b. After completion of every quarter (from the date of receipt of grant)

- i. Upload the list of activities /events /participation date-wise brief description, achievement and 4-5 pictures.

c. After completion of the project (after one year):

Institute has to fill up and update information on AICTE Dashboard/ Portal and upload following documents:

- i. Photographs showing various activities, events organized by club.
- ii. Feed-back of members of the club.
- iii. Identify 3 other clubs which the institution proposes to develop on the lines of club benefited under SPICES.

VII. Submission of documents by institute for project closure (after one year)

The following documents must be submitted to AICTE within a period of one month, after completion of one year, to stay eligible for receiving further grants from AICTE:

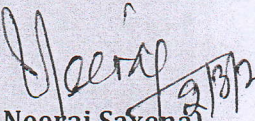
- a. Utilization Certificate and Statement of Accounts in prescribed format duly audited by the Chartered Accountant in the case of a private institution and by the Finance Officer/Account Officer in respect of government/government-aided institution.

- b. Supporting bills/documents on account of expenses incurred for the purpose duly attested by the Head of the Institute.
- c. Proof of the amount made available by the institution approved by the Council/ University/ State Government and other sources.
- d. Soft copy of final report submitted on AICTE Dashboard/ Portal as mentioned above (in section VI).

VIII. General instructions

- a. The assets acquired wholly or substantially of the grants from AICTE shall not be disposed or encumbered or utilized for the purposes other than those for which it was given without proper sanction of the Council and should, at any time the Institution ceased to function, such assets shall revert to the AICTE.
- b. The beneficiary institute will make best efforts to promote the scheme by mentioning the sponsorship/ support from AICTE, carrying the Logo of AICTE in club activities and other means.
- c. The beneficiary 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.
- d. This Sanction Letter may be treated as Offer Letter for all purposes.

Yours sincerely


(Dr. Neeraj Saxena)
Adviser (IDC)

Copy forwarded for information and necessary action to: -

1. **Dr. Prasanna Palsodkar**
Yeshwantrao Chavan College of Engineering,
Nagpur, Maharashtra - 441110.
2. **Registrar/ Director/ Principal,**
Yeshwantrao Chavan College of Engineering,
Nagpur, Maharashtra - 441110.
3. **Guard File.**

All India Council for Technical Education
(A Statutory body under Ministry of Education, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

Impact Lecture Session scheme - 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. 12000/- (Rs. Twelve Thousand Only)** being the reimbursement under the scheme **Impact Lecture Scheme, 2021-22** payable during the current financial year **2021-22**- reg.

Sir,
With reference to the proposal submitted by the institute, this is to convey that the sanction of the Council for payment of **Rs. 12000/- (Rs. Twelve Thousand Only)** as reimbursement under the **Impact Lecture Session** scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	Yeshwantrao Chavan College of Engineering Yeshwantrao Chavan College of Engineering, Wanadongari, Hingana Road, Nagpur
2.	Permanent/IIC ID of Institute:	1-4736951/IC201811838
3.	Scheme under which grant is to be released:	Impact Lecture Scheme, 2021-22
4.	Sanction Order No. & date:	F. No. Innovation/Impact lecture/133/2020-21 Dated 4th Feb, 2022
5.	Duration of the scheme:	2021-22
6.	Name of the coordinator	Dr. Yogita Chitriv
7.	Total Amount Sanctioned:	Rs. 12000/- (Rs. Twelve Thousand Only)
8.	Amount to be released during the year 2021-22:	Rs. 12000/- (Rs. Twelve Thousand Only)
9.	Sanctioned grant-in-aid is debit to:	INNOVATION CELL ACCOUNT
10.	The authorized Officer in whose favour Cheque / Demand Draft / RTGS is to be made (Account Holder's Name)	Yeshwantrao Chavan College of Engineering

- The amount for the reimbursement shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education and shall be disbursed to and credited to the account of Director/Principal/Registrar/Account Holder of the Institute through RTGS/PFMS.
- This Reimbursement is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

Certified that:

1. The conditions of the reimbursement have been accepted by the institute.
2. This institute is approved for academic year 2021-22.
3. The budget of above scheme is approved in 137th EC meeting under item No. 137.03.16. Further the EC in its 141st meeting has approved detailed scheme document with budget breakup to provide financial support upto Rs12,000 per institute (Online mode) under Item No. 140.03.09 and the name of above institute is at Sr. No. 14 in the list of recommended institutes at Page No. (2-12) in Table (1/2) of MoM Dated 27th July, 2021 is eligible for funding assistance under Impact Lecture Scheme, 2021-22, approved at Page No. 24/N F. No. Innovation/Impact lecture/133/2020-21
4. The pre-audit/concurrence before release of payment is done by finance bureau at Page No. 56/N, F. No. Innovation/Impact

5.The validity of this sanction order is for the activities conducted under impact lecture scheme between the announcement of the beneficiaries of impact lecture i.e 8 Sept,2021 and 30th Nov,2021

The instructions/guidelines to be followed by University/Institution

I. Release of funds (Reimbursement as per actual basis)

- 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 reimbursement 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	Khamala	Near Gulmohar Hall, Pande Layout, Khamala, Nagpur	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. 100% of the sanctioned amount will be released as reimbursement to the account of the IIC institute.

II. Maintenance of accounts

- a. The Institute shall strictly follow the provisions laid down in the scheme document and sanction order No. F. No. Innovation/Impact lecture/133/2020-21 Dated 4th Feb,2022 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 the grants, which shall be utilized only on the scheme.
- c. The Council or its nominee shall have the right to check/verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
- d. The Principal / Director / Registrar shall intimate about the receipt of the reimbursement amount to AICTE.

III. Budget details:

Approved Budget for Impact Lecture Scheme (Online mode) (Per Institute)

Sr. No.	Budget Breakup	Amount (Online Mode)
1.	Honorarium to the Expert	Rs6000/ Session*) (@Rs3000/Expert/Day) *1 online session consist of two expert lectures
2.	Amount per session	Rs. 6,000/ Session
	Total Amount	Rs. 12,000/- (For 2 Online sessions)

IV. Terms and Conditions:

a. Utilization/Refund/Maintenance of Released Fund

- The Institute shall maintain proper accounts of the expenditure out of the grants/reimbursement, which shall be utilized only on the scheme.
- AICTE/MIC or its nominee shall have the right to check/verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
- The Principal / Director / Registrar shall intimate about the receipt of the sanctioned amount to AICTE/MIC.
- The released/sanctioned fund for Impact Lecture Scheme cannot be utilized for any other program/ sessions.
- In case the Impact-Lecture Scheme is cancelled, the funds must be returned back to AICTE/MIC immediately with

interest accrued thereon.

- In any case, if the institute is required to refund the grant or interest accrued thereon or balance amount, the amount will be refunded to AICTE/MIC. (by way of a demand draft in favor of INNOVATION CELL ACCOUNT payable at New Delhi or through NEFT/RTGS at INNOVATION CELL ACCOUNT, Account No:37903899633, IFSC: SBIN0050203, SBI, SHASTRI BHAWAN, RAJENDRA PRASAD ROAD, NEW DELHI 11000).
- As MIC needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.
- The Institute shall strictly follow the provisions laid down in the scheme document and sanction order No. F. No. Innovation/Impact lecture/133/2020-21 Dated 4th Feb,2022 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.

V. Report and Supporting Document Submission

IIC institution needs to submit the report in IIC portal and along with following supporting documents within prescribed period.

- **Usage of Funding:**

Original Statement of actual expenditure 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 are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp).

- **Address:**

- **MoE's Innovation Cell(MIC), Room No. 223, 2nd Floor, AICTE HQ, Nelson Mandela Road, New Delhi-110070**

It should contain the head-wise break up of expenditure made from the fund provided by the Council. Audited Statement of Expenditure indicating expenditure incurred in the total duration of the scheme in the prescribed format and GFR-19 shall be submitted to the Council.

The fund, so released shall be utilized to conduct activities mentioned in the scheme document.

- **Guide line for conducting of sessions and Criteria**

- Impact lectures can be conducted in online mode.
- Each session should be of at least 3 hours' duration and should be taken by minimum two external experts only. The Experts shall take two different topics.
- Institute should identify the expert with minimum 5 years of experience in the field of innovation/ entrepreneurship/ IPR preferably as incubation head, start-up founder, Innovators, IP experts or as per requirement of topic.
- There should be minimum 10 days' gap between two sessions.

VI. Expected Outcomes

- Active participation and involvement of students, faculties and staff and most importantly members of the IIC institute in the program.
- Awareness generation among students, faculties and staff on recent developments and new approaches for innovation, entrepreneurship and intellectual property and their importance in wealth creation at individual level and at national level.
- Nurturing leadership potential of student innovators, and entrepreneurs by providing them coordination role to achieve the program objective.
- Program will set foundation for institute's participation in MoE's Innovation and Entrepreneurship initiatives such as IIC, ARIIA, Hackathons, NISP, National Innovation Contest, and YUKTI 2.0 and related programs at MIC

and AICTE.

- Strengthening the connection of IIC institutions located in Himalayan/North Eastern region/Aspirational Districts with national innovation and entrepreneurial ecosystem enablers.

VII. Use of Logo

- The MIC, AICTE and IIC logo must be prominently displayed for all online information regarding Impact Lecture scheme activity is displayed.
- The Impact Lecture venue in terms of stage backdrop/ podium must prominently display the MIC, AICTE and IIC logo.
- All publicity materials/ advertisements/ brochures/ invitation cards/ any other collaterals/ event backdrop etc. related to Impact Lecture scheme must carry the MIC, AICTE and IIC logo.

VIII. Monitoring

- AICTE/MIC may depute an Officer/Observer to oversee the quality of the activity/conference and collect feedback from the venue.

IX. 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-rules](https://doe.gov.in/order-circular/general-financial-rules)) should be followed during utilization of grant.
- b. This Sanction Order may be treated as Offer Letter for all purposes.

For more information, contact us

Email: ankush.sharma@aicte-india.org, impactlecture@aicte-india.org

Phone no: 011 2958 1223/1226

Yours sincerely,



Dipan Sahu
Asst. Director, MIC

Copy forwarded for information and necessary action to:

Name and Address

Yeshwantrao Chavan College of Engineering

Yeshwantrao Chavan College of Engineering, Wanadongari, Hingana Road, Nagpur

1. Principal/HoI

Yeshwantrao Chavan College of Engineering

2. IIC President

Yeshwantrao Chavan College of Engineering



IEEE Region-10(Asia Pacific) Educational Activity Proposal Acceptance

June,2021

To,

Dr. Amoli Belsare,

IEEE YCCE Student Branch, Bombay,
IEEE India

Subject: Regarding approval of \$200 for the proposal submitted under IEEE R-10 EAC's Call For Proposal For "Reaching Local Initiatives"

Dear Dr. Amoli Belsare,

This is to convey the sanction of the fund of \$200 for the conduct of a proposal titled as **"School Teachers Training on "Innovative Online Teaching Pedagogies for Improving Teaching Effectiveness at School Level"** (Proposal ID:103)" to **IEEE India Section** under IEEE R-10 EAC Reaching Local Initiative.

This fund will be released as per guidelines mentioned in the Call for proposal.
(Guidelines given on following link: <https://ea.ieeer10.org/2021-announcement/>)

The coordinator for the proposed event/activity(ies) will be Dr. Amoli Belsare and shall comply with the deadlines & other documentation post conduct of proposed event/activity(ies).

This is only sanction communication and should not be treated as assurance to get the grant-which shall be transferred to the respective OU as per IEEE R-10 norms only after complying with the conditions and submission of documents required for the reimbursement within timelines.

In case there is change in coordinator/theme, you are requested to inform the EAC in advance via email at region10eab@gmail.com

Regards,

Dr. Preeti Bajaj

2021-22 R10 Educational Activities Committee Chair

Copy forwarded for information and necessary action:

1. Dr. Amoli Belsare, IEEE India Section
2. Chair, IEEE India

3. Chair, IEEE YCCE Student Branch , Bombay
4. Chair, IEEE R-10



IEEE Region-10(Asia Pacific) Educational Activity Proposal Acceptance

June,2021

To,

Prachi Palsodkar,

YCCE IEEE STUDENT BRANCH, Bombay,
IEEE India Section

Subject: Regarding approval of \$250 for the proposal submitted under 2021 Region-10 New Innovation Challenge Under Educational Activities

Dear Prachi Palsodkar,

This is to convey the sanction of the fund of \$250 for the conduct of a proposal titled as **“Skills for Employment Development Program(SEDP) (Proposal ID:95)”** to **IEEE India Section** under IEEE R-10 New Innovation Challenge Under Educational Activities.

This fund will be released as per guidelines mentioned in the Call for proposal.
(Guidelines given on following link: <https://ea.ieeer10.org/2021-announcement/>)

The coordinator for the proposed event/activity(ies) will be Prachi Palsodkar and shall comply with the deadlines & other documentation post conduct of proposed event/activity(ies).

This is only sanction communication and should not be treated as assurance to get the grant-which shall be transferred to the respective OU as per IEEE R-10 norms only after complying with the conditions and submission of documents required for the reimbursement within timelines.

In case there is change in coordinator/theme, you are requested to inform the EAC in advance via email at region10eab@gmail.com

Regards,

Dr. Preeti Bajaj

2021-22 R10 Educational Activities Committee Chair

Copy forwarded for information and necessary action:

1. Prachi Palsodkar, IEEE India Section
2. Chair, India
3. Chair, IEEE R-10



All India Council for Technical Education
(A Statutory body under Ministry of Education, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

Sanction Letter – Grant for Study Tour of Atal Tunnel under the AICTE Youth Undertaking Visit for Acquiring Knowledge (Yuvak) Scheme

To

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

Sub: Sanction of Rs.2,00,000.00 being the Grant for Study Tour of Atal Tunnel under the AICTE Youth Undertaking Visit for Acquiring Knowledge (Yuvak) Scheme payable during the current financial year 2021-22 to YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING, HINGNA ROAD, WANADONGRI, NAGPUR - 441 110, MAHARASHTRA, INDIA.

Sir,

This is to convey the sanction of the Competent Authority for payment of Rs. 2,00,000.00 towards **Grant for Study Tour of Atal Tunnel under the AICTE Youth Undertaking Visit for Acquiring Knowledge (Yuvak) Scheme to YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING, HINGNA ROAD, WANADONGRI, NAGPUR - 441 110, MAHARASHTRA, INDIA** as per details given below: -

1.	Name and address of the Institute	YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING, HINGNA ROAD, WANADONGRI, NAGPUR - 441 110, MAHARASHTRA, INDIA
2.	Permanent ID of Institute	1-4736951
5.	Duration of the scheme:	FY 2021-2022 (up to 31 st Mar 2022)
6.	Total Grant Sanctioned:	Rs. 2,00,000.00
7.	Advance amount to be released :	Rs. 1,00,000.00
8.	Sanctioned grant is debit to:	Non Plan
9.	The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made	YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING

i. Release of funds

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

PAN No.	Bank Name	Bank Branch Address	Account Holder Name	Account Number	IFSC Code
AAATN0914E	PUNJAB NATIONAL BANK	KHAMLA BRANCH	YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING	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.

- c. 50% of the total sanctioned grant for Study Tour of Atal Tunnel under the AICTE Youth Undertaking Visit for Acquiring Knowledge (Yuvak) Scheme is being released to the Institute. Balance 50% will be released after completion of the Tour & submission of Tour Report along with the Statement of Expenditure & Utilization Certificate as specified in para (III) below.

II. Refund of grant (by way of a Demand Draft/ Online Transfer in favor of Member Secretary, AICTE, New Delhi)

- a. In any case, if the institute is required to refund the grant or interest accrued thereon or balance amount, the amount will be refunded to AICTE.
- b. If the college/institute does not have the Letter of Approval (LOA) or Extension of Approval issued by AICTE for the academic year 2021-22, the fund released should be immediately refunded to AICTE with interest accrued thereon.
- c. If ATAL TUNNEL Study Tour under the AICTE Youth Undertaking Visit for Acquiring Knowledge (Yuvak) Scheme is not completed within the Financial Year 2021-2022, the released amount, along with interest accrued thereon, has to be necessarily returned to AICTE.

III. Submission of documents by college/institution after completion of project

The following mandatory relevant documents are required to be submitted by the institution within one month of the completion of the Study Tour or 31st Mar 2022, whichever is earlier: -

- a. Original Statement of Actual Expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. 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.

Note: The institution is not required to submit bills/ vouchers/ invoices etc. for the expenditure incurred.

IV. General instructions

- a. Kindly mention the File No. STDC-AICTE-ST-AT/266/2020-2021/86 dated 19.08.2021 in your future correspondence.
- b. This Sanction Letter may be treated as Offer Letter for all purposes.
- c. In case of replacement of Team Leader or student (s) of the Team, the same has to be intimated prior to the commencement of the Tour.

Am J K. L.
19/8/21
Director (STDC)

Encl :

- i. Format of Statement of Expenditure
ii. Format of Utilisation Certificate

Copy forwarded for information and necessary action to:

1. Director / Principal,
YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING, HINGNA ROAD, WANADONGRI,
NAGPUR - 441 110, MAHARASHTRA, INDIA,
Tele : 07104-237919, 9822569792, 9764996477,
Email : 209@ycce.in, udaywaghe@yahoo.com
2. Guard File



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/2021-22/

Date: 02/05/2022

To

Dr. B. Y. Masram

Department of Electronics & Telecommunication Engineering

Subject: Approval of Proposal submitted under Innovative Minor Patentable Product Scheme

Dear, Dr. B. Y. Masram

We are pleased to inform you that your proposal titled "Wi-Fi Router with Power Backup and Range Extender." was recommended by committee for approval; the proposal is approved for financial assistance of **Rs. 5300/-** under non-recurring and **Rs.1500/-** recurring expenses, total expenses of **Rs. 6800/-**.

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

Dr. S. S. Khedkar/
Dr. N. D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwalla Gawande

Dean, R and D

Dr. U. P. Waghe

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

Copy To

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



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/2021-22/

Date: 02/05/2022

To

Prof. Y. S. Kale

Department of Electronics & Telecommunication Engineering

Subject: Approval of Proposal submitted under Innovative Minor Patentable Product Scheme

Dear Prof. Y.S. Kale,

We are pleased to inform you that your proposal titled "**Development of GSM controller to prevent electricity wastage.**" was recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 9,450/-** under nonrecurring and **Rs.1,000/-** under recurring expenses, total **Rs. 10,450/-**.

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

Dr. S. S. Khedkar/
Dr. N. D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwalla Gawande
Dean, R and D

Dr. U. P. Waghe

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

Copy To

- HoD, Department of Electronics & Telecommunication 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/2021-22/

Date: 02/05/2022

To

Prof. A.V. Choudhari

Department of Electronics & Telecommunication Engineering

Subject: Approval of Proposal submitted under Innovative Minor Patentable Product Scheme

Dear Prof. A.V. Choudhari

We are pleased to inform you that your proposal titled **"Voice based writing Robot"** was recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 3230/-** under/ -non-recurring expenses and **Rs. 1,500/-** under recurring expenses, totaling **Rs. 4730/-**.

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

Dr. S. S. Khedkar/
Dr. N. D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwalla Gawande

Dean, R and D

Dr. U. P. Waghe

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

Copy To

- HoD, Department of Electronics & Telecommunication 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/2021-22/

Date: 02/05/2022

To

Dr. Sarika Patil

Department of Electrical Engineering

Subject: Approval of Proposal submitted under Innovative Minor Patentable Product Scheme

Dear Dr. Sarika Patil

We are pleased to inform you that your proposal titled **“Design and implementation of IOT based SMART inverter”** was recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 18200/-** under non-recurring expenses and **Rs. 9000/-** under recurring expenses, totaling **Rs. 27,200/-**.

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

Dr. S. S. Khedkar/
Dr. N. D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwalla Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

Copy To

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



Research and Development Cell

YCCE/R and D Cell/2021-22/

Date: 02/05/2022

To,

Dr. S. P. Adhau

Department of Electrical Engineering

Subject: Approval of Proposal submitted under Innovative Minor Patentable Product Scheme

Dear Dr. S. P. Adhau

We are pleased to inform you that your proposal titled **"Plastic Waste Management Machine"** was recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 14850/-** under/ -non-recurring expenses and **Rs. 8000/-** under recurring expenses, totaling **Rs. 22850/-**.

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

Dr. S. S. Khedkar/
Dr. N. D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

- HoD, Department of Electrical 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/2021-22/

Date: 02/05/2022

To,

Prof. P. S. Patil

Department of Electrical Engineering

Subject: Approval of Proposal submitted under Innovative Minor Patentable Product Scheme

Dear Prof. P. S. Patil

We are pleased to inform you that your proposal titled "**Social Distancing Cap**" was recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 9550/-** under non-recurring expenses and **Rs. 2500/-** under recurring expenses, totaling **Rs. 12050/-**.

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

Dr. S. S. Khedkar/
Dr. N. D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

- HoD, Department of Electrical 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/2021-22/

Date: 02/05/2022

To

Prof. A. A. Madankar

Department of Electronics & Telecommunication Engineering

Subject: Approval of Proposal submitted under Innovative Minor Patentable Product Scheme

Dear, Prof. A. A. Madankar

We are pleased to inform you that your proposal titled "**Automatic Hand Sanitizer machine**" was recommended by committee for approval; the proposal is approved for financial assistance of **Rs. 560/-** under non-recurring and **Rs. 1000/-** recurring expenses, total expenses of **Rs. 1560/-**.

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

Dr. S. S. Khedkar/
Dr. N. D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

- HoD, Department of Electronics & Telecommunication 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/2021-22/

Date: 02/05/2022

To

Dr. A. D. Belsare

Department of Electronics & Telecommunication Engineering

Subject: Approval of Proposal submitted under Innovative Minor Patentable Product Scheme

Dear , Dr. A. D. Belsare

We are pleased to inform you that your proposal titled "**Aerial 3D scanner**" was recommended by committee for approval; the proposal is approved for financial assistance of **Rs. 29000/-** under non-recurring and **Rs. 1000/-** recurring expenses, total expenses of **Rs. 30000/-**.

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

Dr. S. S. Khedkar/
Dr. N. D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwalla Gawande

Dean, R and D

Dr. U. P. Waghe

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

Copy To

- HoD, Department of Electronics & Telecommunication 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/2021-22/

Date: 02/05/2022

To

Dr. V. D. Bondre

Department of Electronics & Telecommunication Engineering

Subject: Approval of Proposal submitted under Innovative Minor Patentable Product Scheme

Dear , Dr. V. D. Bondre

We are pleased to inform you that your proposal titled **"Design and implementation of an ultrasonic navigation stick for the blind"** was recommended by committee for approval; the proposal is approved for financial assistance of **Rs. 3220/-** under non-recurring and **Rs. 2510/-** recurring expenses, total expenses of **Rs. 5730/-**.

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

Dr. S. S. Khedkar/
Dr. N. D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

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



Nagar YuwakShikshanSanstha's

YeshwantraoChavanCollege 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/2021-22/

Date: 02/05/2022

To

Prof. M. S. Patil,

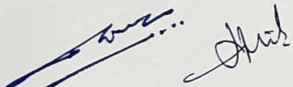
Department of Electronics & Telecommunication Engineering

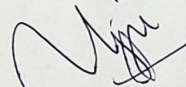
Subject: Approval of Proposal submitted under Innovative Minor Patentable Product Scheme


Dear, Prof. M. S. Patil,

We are pleased to inform you that your proposal titled "**IOT based Smart Cafeteria Management System**" was recommended by committee for approval; the proposal is approved for financial assistance of **Rs.13,150/-** under non-recurring and **Rs.7,000/-** recurring expenses, total expenses of **Rs. 20,150/-**.

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


Dr. S. S. Khedkar/
Dr. N. D. Rehpade
Assistant Dean,
Funding Proposal


Dr. Ujwala Gawande
Dean, R and D


Dr. U. P. Waghe
Principal

Copy To

- HoD, Department of Electronics & Telecommunication 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/2021-22/

Date: 02/05/2022

To

Prof. A. S. Kurzekar,
Department of Civil Engineering

Subject: Approval of Proposal submitted under Innovative Minor Patentable Product Scheme

Dear, Prof. A. S. Kurzekar

We are pleased to inform you that your proposal titled "**Artificial angular coarse aggregate**" was recommended by committee for approval; the proposal is approved for financial assistance of **Rs. 2000/-** under non-recurring and **Rs. 2000/-** recurring expenses, total **expenses of Rs. 4000/-**.

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

Dr. S. S. Khedkar/
Dr. N. D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

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



YCCE/R and D Cell/2021-22/

Date: 02/05/2022

To,

Prof. B. S. Sudame

Department of Electrical Engineering

Subject: Approval of Proposal submitted under Innovative Minor Patentable Product Scheme

Dear Prof. B. S. Sudame

We are pleased to inform you that your proposal titled "**Operation of circuit breaker with authentication**" was recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 6315** under non-recurring expenses and **Rs. 3000/-** under recurring expenses, totaling **Rs. 9315/-**.

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

Dr. S. S. Khedkar/
Dr. N. D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwala Gawande

Dean, R and D

Dr. U. P. Waghe

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

Copy To

- HoD, Department of Electrical 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/2021-22/

Date: 02/05/2022

To,

Prof. S. S. Kewte

Department of Electrical Engineering

Subject: Approval of Proposal submitted under Innovative Minor Patentable Product Scheme

Dear, Prof. S. S. Kewte

We are pleased to inform you that your proposal titled "**Fault Detection using Closed Loop Feedback System**" was recommended by committee for approval; the proposal is approved for financial assistance of **Rs. 4124/-** under non-recurring expenses and **Rs. 2000/-** under recurring expenses, totaling **Rs. 6124/-**.

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

Dr. S. S. Khedkar/
Dr. N. D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwalla Gawande

Dean, R and D

Dr. U. P. Waghe

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

Copy To

- HoD, Department of Electrical 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/2021-22/

Date: 02/05/2022

To,
Prof. Megha Mendiretla
Department of Chemistry (FY)

Subject: Approval of Proposal submitted under Innovative Minor Patentable Product Scheme

Dear, Prof. Megha Mendiretla

We are pleased to inform you that your proposal titled "**Biomaterial**" was recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 24336/- under** recurring expenses, totaling **Rs. 24336/-**.

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

Dr. S. S. Khedkar/
Dr. N. D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwala Gawande

Dean, R and D

Dr. U. P. Waghe

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

Copy To

- HoD, Department of Chemistry (FY), YCCE
- A/C Section, YCCE



Office of Dean Research and Development

YCCE/R and D Cell/2021-22/ 568

Date: 16/04/2022

To

Mrs. V. N. Mendhe

Department of Civil Engineering

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

Dear Mrs. V. N. Mendhe

We are pleased to inform you that your proposal titled "Centre of gravity Experiment for regular and irregular shapes" is recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 5,000.**

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

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

Office of Dean Research and Development

YCCE/R and D Cell/2021-22/569

Date: 16/04/2022

To

Dr. P. D. Dorge

Department of Electronics and Telecommunication Engineering

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

Dear Dr. P. D. Dorge

We are pleased to inform you that your proposal titled "Hardware Experimental Setup to Control and Analyze Signals in Cellular Phone" is recommended by committee for approval, 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. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

Copy To

- HoD, Department of Electronics and Telecommunication 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

Office of Dean Research and Development

YCCE/R and D Cell/2021-22/570

Date: 16/04/2022

To

Dr. M. M. Mendiretta (Khurma)

Department of Applied Chemistry

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

Dear Dr. M. M. Mendiretta (Khurma)

We are pleased to inform you that your proposal titled "Alternative Synthesis of common drugs under non-conventional conditions" was recommended by committee for approval, 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

Copy To

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



Office of Dean Research and Development

YCCE/R and D Cell/2021-22/ 571

Date: 16/04/2022

To

Mr. Rajesh Bhagat

Department of Civil Engineering

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

Dear Mr. Rajesh Bhagat

We are pleased to inform you that your proposal titled "Adsorbent Containing Filter (ACF)" was recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 15,500/-**

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

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

Office of Dean Research and Development

YCCE/R and D Cell/2021-22/ 572

Date: 16/04/2022

To

Pallavi Chakole

Department of Civil Engineering

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

Dear Pallavi Chakole

We are pleased to inform you that your proposal titled "Treatment of Wastewater By Rotating Biological Contactor" is recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 13,000/-**

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

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

Office of Dean Research and Development

YCCE/R and D Cell/2021-22/573

Date: 16/04/2022

To

P. S. Shete and Prasad Joshi

Department of Electrical Engineering

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

Dear P. S. Shete and Prasad Joshi

We are pleased to inform you that your proposal titled "AC power measurement using Arduino" is recommended by committee for approval, 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

Copy To

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



Office of Dean Research and Development

YCCE/R and D Cell/2021-22/574

Date: 16/04/2022

To

1. Dr. Vijay Khawale, Department of Mechanical Engineering
2. Atul Lilhare Department of Electrical Engineering

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

Dear Dr. Vijay Khawale and Atul Lilhare

We are pleased to inform you that your proposal titled "Study of various characteristics of PV Panel and DC Solar Water Pump." is recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 17,100/-**

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

Copy To

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



Office of Dean Research and Development

YCCE/R and D Cell/2021-22/ 575

Date: 16/04/2022

To

Devendra Shahare

Department of Mechanical Engineering

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

Dear Devendra Shahare

We are pleased to inform you that your proposal titled "Design and Development of Experimental setup for Fatigue Testing Machine " is recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 32,280/-**

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

Copy To

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



Office of Dean Research and Development

YCCE/R and D Cell/2021-22/ 576

Date: 16/04/2022

To

Dr. Pournima Pande

Department of Applied Chemistry

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

Dear Dr. Pournima Pande

We are pleased to inform you that your proposal titled "Corrosion testing with help of Potentiometer" is recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 16,000/-**

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

Copy To

- HoD, Department of Applied Chemistry, 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

Office of Dean Research and Development

YCCE/R and D Cell/2021-22/577

Date: 16/04/2022

To

Dr. Sunil Prayagi

Department of Mechanical Engineering

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

Dear Dr. Sunil Prayagi

We are pleased to inform you that your proposal titled "Effect of cooling system on PV panel performance" is recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 11,000/-**

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

Copy To

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



Nagar YuwakShikshanSanstha's

YeshwantraoChavanCollege of Engineering

(An Autonomous Institution affiliated to RashtrasantTukadojiMaharajNagpurUniversity)

Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Research and Development Cell

Date:31/01/2022

YCCE/R and D Cell/2021-22/

To,

Prof.Akshay Kadu, Prof.Nivedita Padole

Department of Electrical Engineering,

YCCE,Nagpur.

Subject: Approval of Proposal submitted under Minor patentable product Scheme

Dear Prof.AkshayKadu&Prof.NiveditaPadole

We are pleased to inform you that your proposal titled **“Design and implementation of equitable water distribution valve for solar water heater”** was recommended by committee for approval; the proposal is approved for financial assistance of Rs. **6,000/-** under non-recurring expenses and **Rs. 3000/-** under recurring expenses. Total Financial assistance amount of **Rs.9000/-**.

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

Dr. Sandeep Khedkar
Dr. Nita D.Rehpade
Assistant Dean,
IPR Vertical

Dr. UjwallaGawande
Dean, R and D

Dr. U. P. Waghe

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

Copy To

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



Nagar YuwakShikshanSanstha'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/2021-22/

Date:31/01/2022

To,

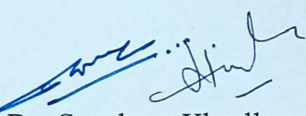
Prof. H.R. Nikhade ,
Department of Civil Engineering,
YCCE, Nagpur.

Subject: Approval of Proposal submitted under Minor patentable product Scheme

Dear Prof. H.R. Nikhade,

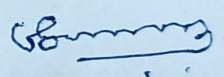
We are pleased to inform you that your proposal titled **"Utilization of Sugar cane bagasse ash in the directional of sustainable development"** was recommended by committee for approval; the proposal is approved for financial assistance of Rs. **30,000/-** under recurring expenses.

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


Dr. Sandeep Khedkar
Dr. Nita D.Rehpade
Assistant Dean,
IPR Vertical


Dr. Ujwalla Gawande

Dean, R and D


Dr. U. P. Waghe

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

Copy To

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



Research and Development Cell

YCCE/R and D Cell/2021-22/1265

Date: 26/10/2021

To

Dr. Harshal Warade

Department of Civil Engineering

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

Dear Dr. Harshal Warade

We are pleased to inform you that your proposal titled "Treatment of Wastewater by Rotating Biological Contactor" was recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 15,000** under nonrecurring and **3000/-** under recurring expenses, totaling **Rs. 18,000/-**

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

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/2021-22/

Date: 16/09/2021

To

Prof. A. A. Yadav

Department of Civil Engineering

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

Dear Prof. A. A. Yadav

We are pleased to inform you that your proposal titled "Utilization of metakaolin and concrete slag in concrete." was recommended by committee for approval; the proposal is approved for financial assistance of Rs. **30,000/-** under recurring expenses.

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

Dr. Sandip Khedkar/
Dr. Nita D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwalla Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

Copy To

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



Nagar Yuwak Shikshan Sanstha's

Yashwantrao 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/2021-22/

Date:16/09/2021

To

Dr. Atul Lilhare

Department of Electrical Engineering

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

Dear Prof. Atul Lilhare

We are pleased to inform you that your proposal titled "Development of Power Factor Correction device for residential load." was recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 6,100/-** under nonrecurring and **5,000/-** under recurring expenses, totaling **Rs. 11,100/-**.

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

Dr. Sandip Khedkar/
Dr. Nita D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwalla Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

Copy To

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



Nagar Yuwak Shikshan Sanstha's

Yashwantrao 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/2021-22/

Date: 16/09/2021

To

Prof. Kuldeep Pande

Department of Electronics Engineering

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

Dear Prof. Kuldeep Pande

We are pleased to inform you that your proposal titled "Automatic Book Collector Bot" was recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 13,500/-** under nonrecurring expenses and **2,500/-** under recurring expenses, totaling **Rs. 16,000/-**.

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

Dr. Sandip Khedkar/
Dr. Nita D. Rehpade
Assistant Dean,
IPR Vertical

Dr. Ujwala Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

Copy To

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



Research and Development Cell

YCCE/R and D Cell/2021-22/ 1009

Date: 27/08/2021

To

Dr. Pravin Zode

Department of Electronics Engineering

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

Dear Dr. Pravin Zode

We are pleased to inform you that your proposal titled "Long Range Wireless Communication Setup" was recommended by committee for approval, the proposal is approved for financial assistance of Rs. 37,800 under nonrecurring and 3000/- under recurring expenses, totaling **Rs. 40,800/-**

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

Copy To

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



Research and Development Cell

YCCE/R and D Cell/2021-22/1010

Date: 27/08/2021

To

Dr. Atul Lilhare

Department of Electrical Engineering

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

Dear Prof. Atul Lilhare

We are pleased to inform you that your proposal titled "Installation of automatic UPS system at Home (Demo Model)" was recommended by committee for approval, the proposal is approved for financial assistance of Rs. 10,700 under nonrecurring and 1000/- under recurring expenses, totaling **Rs. 11,700/-**

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



Copy To

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



Research and Development Cell

YCCE/R and D Cell/2021-22/1011

Date: 27/08/2021

To

Dr. U. S. Ghodeswar

Department of Electronics Engineering

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

Dear Dr. U. S. Ghodeswar

We are pleased to inform you that your proposal titled "Wireless Communication using Zigbee" was recommended by committee for approval, the proposal is approved for financial assistance of **Rs. 10,000** under nonrecurring expenses.

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

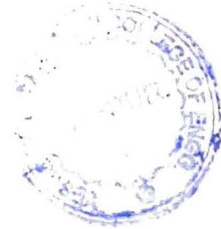
Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

Copy To

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



Annexure "A"

Department :- Electronics Engineering

Title of the Project	Name of the Students	Roll No.	Likely Date of Commencement & Completion of Project		Estimates of Project			Total Estim (a)+(b)+(c)	Guide Name
			Commencement	Completion	a) Cost of Major Components (in Rs.)	b) Fabrication Cost (in Rs.)	c) other expences (c)		
Domotics Chair	Chhayangi Sonekar	28	17/07/2021	11/11/2021	7,677	Nil	Nil	7677	Dr. Mrs. S.V.Rathkantiwar
	Siddharth Rao	23							
	Ritik Wankhede	26							
	Uttara Dhoble	43							
	Yashvi Potdukhe	50							
Micro-Camera based Airotor	Sushant Deo	166	22/07/2021	29/11/2021	2,140	Nil	Nil	2140	Dr. Y.A.Suryawanshi
	Himanshi Tekade	3							
	Bhushan Khandekar	143							
	Aishwarya Petkar	27							
	Rutuja Jambhulkar	12							
Implementation of IOT Based Healthcare and saline monitoring sysytem using Ardino UNO	Rinkesh Pantawane	49	20/07/2021	23/11/2021	4,169	Nil	Nil	4169	Dr. R.D.Thakare
	Amlan Jyoti	65							
	Sangeeta Sheoran	17							
	Shivali Sonarkar	18							
	Yogeshwar Uikey	62							
IOT Based Smart Video Doorbell Using ESP32 Camera	Tushita Kaple	123	19/07/2021	6/12/2021	4122	Nil	Nil	4122	Dr. Prasanna Palsodkar
	Mansi Manmode	110							
	Kartik Kinhekar	147							
	Anshul Balpande	138							
	Shreyash Gulhane	155							
Total Amount					18,108			18,108	

Remarks By Head of the Department - Recommended -no of UG Projects :- 04

Total Estimated Cost Rs.18108.00



Signature of Head of the Department

Approved / Not Approved




Principal, YCCE

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING
APPROVAL FOR PROJECT EXPENSES
 Department of Computer Technology

S.No.	Title of Project	Name of Students	Roll.No.	Likely date of Commencement & completion of project		Estimate of			Total Estimated cost a+b+c	Remark
				Commencement	Completion	a) Cost of Major component/ Software	b) Fabrication Cost	c) Other Expenses		
1	Automated Fire Extinguishing Robot	Devyabi Raut, Indrayani Mundle, Kshiti devgaor	106, 109, 113, 179	01/08/2022	01/06/2022	4615	-	-	4615	Bills are attached
2	Virtual coding Platform	Abhishek Yadav, Akshit Panday, sarthak Chafle, Prathmesh Fulkari	31, 36, 68, 61	01/08/2022	01/06/2022	4408	-	-	4408	Billing account and account ID attached

Mark by H.O.D.

Forwarded for Approval
to R/S Principal Sir

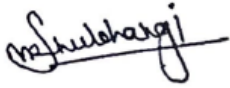

 Signature of HOD
 (Approval/ Not Approval)


 Principal

First Page of Research Base Project Reports

CERTIFICATE OF APPROVAL

Certified that the project report entitled "DOMOTICS CHAIR" has been successfully completed by CYRUS under the guidance of Dr.Mrs. S.V.Rathkanthiwar of in recognition to the partial fulfilment 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 2021-22.



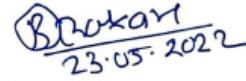
Dr.Mrs.S.V.Rathkanthiwar

(Guide)



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

(Project Co-coordinators)


23.05.2022

Dr. R. D. Thakare

(HOD, EE Dept.)



Signature of External Examiner:

Name: Dr R Pethe

Date of Examination: June 1st, 2022

CERTIFICATE OF APPROVAL

Certified that the project report entitled “**Implementation of IoT Based Healthcare and Saline Monitoring System Using Arduino UNO**” has been successfully completed by **RINKESH PANTAWANE, AMLAN JYOTI, SANGEETA SHEORAN, YOGESHWAR UIKEY, and SHIVALI SONARKAR** under the guidance of **Dr. R. D. THAKARE** and **MR. G. S. KANADE (SENIOR PRINCIPAL SCIENTIST) NEERI, NAGPUR** 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)**.
Nagpur during session 2021-22



Dr. R. D. Thakare
HOD of EE Dept.
(Guide)



Mr. G. S. Kanade
(Senior Principal Scientist) Neeri, Nagpur
(Co-Guide)



Dr. P.P. Palsodkar / Dr. U.S. Ghodeswar
(Project Coordinators)



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



Signature of External

Examiner Name: *Dr. R. Pethe*

Date of Examination *31/6/22*

CERTIFICATE OF APPROVAL

Certified that the project report entitled “IoT Based Smart Video Doorbell using ESP32 Camera & Controlling Home Appliances” has been successfully completed by Ms. Tushita R. Kaple, Ms. Mansi R. Manmode, Mr. Anshul R. Balpande, Mr. Kartik V. Kinhekar, Mr. Shreyash R. Gulhane 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 2021-22



Dr. Prasanna Palsodkar

(Guide)



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

(Project Cordinators)



Dr. R. D. Thakare

(HOD, EE Dept.)



Signature of External Examiner:

Name:

Date of Examination:

CERTIFICATE OF APPROVAL

Certified that the project report entitled **"SMART HIGHWAY"** has been successfully completed by

ASHA KODAPE

AWANTIKA THAKARE

MITALI DESHPANDE

PRACHI JAMBHULKAR

SAMRUDDHI WARKAD

ATHARV GEDAM

HARDIK THENGRE

PRAGATI MOHANE

Dr. SANDEEP GAIGOWAL

(Project Guide)
(EL Dept.)
YCCE, Nagpur

MRS. NEHA CHANPURKAR

(Project Co-guide)
(Deputy Executive Engineer, MSEDCL,
Nagpur)

Prof. UJWALA WAGHMARE

(Project Co-Ordinator)
YCCE, Nagpur

Dr. S.G. KADWANE

(HOD, EL Dept.)
YCCE, Nagpur

CERTIFICATE OF APPROVAL

Certified that the project report entitled “**Development and Implementation of Solar Assisted Electric Bicycle**” has been efficiently completed by way of underneath the steerage of **Dr. S. P. GAWANDE** in reputation to the partial fulfilment for the award of the diploma of Bachelor of Engineering in Electrical Engineering, **YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**.



Signature

Dr. S. P. Gawande


(Project Guide)



Signature

Prof. Ujwala Waghmare

(Project Coordinator)



Signature

Dr. S. G. Kadwane

(Head of Department Electrical Engineering)

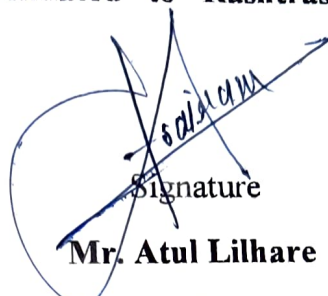
Signature of External Examiner

Name:

Date of Examination

CERTIFICATE OF APPROVAL

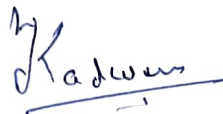
Certified that the project report entitled “ **POWER FACTOR CORRECTION TECHNIQUE FOR EV BATTERY CHARGING** ” has been successfully completed by **Achal Ekunkar, Rutuja Tambekar, Shivani Kalmore, Aishwarya Khandate**, under the guidance of **Mr. Atul Lilhare** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electrical Engineering, **YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**.


Signature
Mr. Atul Lilhare
(Project Guide)



Signature

Prof. Ujwala Waghmare
(Project Coordinator)



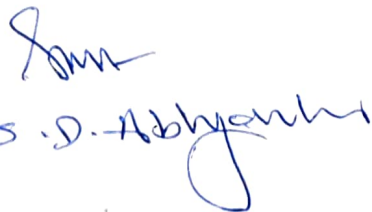
Signature

Dr. S. G. Kadwane
(Head of Department Electrical Engineering)

Signature of External

Examiner Name:

Date of Examination



CERTIFICATE OF APPROVAL

Certified that the project report entitled “SMART MONITORING OF SUBSTATION” has been successfully completed by **Anushri A. Daryapurkar, Samiksha L. Ugale, Sanobar Anjum Sk Anis, Saurabh D. Pakde, Shubham H. Karande**, under the guidance of **Dr. Mrs. S. P. Adhau** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electrical Engineering, **YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**.



Signature

Dr. Mrs. S. P. Adhau

(Project Guide)



Signature

Er. Jagdish Yadav (Project Manager)

MV/HV/EHV Substation (PMD-COA), Al-Riyadh (KSA)

(Project Co- Guide)



Signature

Prof. Ujwala Waghmare

(Project Co-ordinator)



Signature

Dr. Sumant Kadwane

(Head of Department Electrical Engineering)

Signature of External Examiner

Name: **P. S. Kulkarni**

Date of Examination: **02/06/22** Page 66 of 152

CERTIFICATE OF APPROVAL

Certified that the project report entitled “ **REFRIGERANT BASED AIR COOLER**” has been successfully completed by **Abhishek M. Ninawe , Kaustubh J. Dani, Mayur M. Padole, Nitin R. Jadhav, Parikshi R. Isokar ,Shantanu M. Deshpande,** under the guidance of Ms. **Swati K. Mohod** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electrical Engineering, **YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University).**



Signature

Ms. Swati K. Mohod
(Guide)



Signature

Dr. Dinesh Bhoyar
(Co-Guide)



Signature

Prof. Ujwala Waghmare
(Coordinator)



Signature

Dr. Sumant Kadwane
(HOD)

Signature of External Examiner

Name:

Date of Examination:

CERTIFICATE OF APPROVAL

Certified that the project report entitled “ **Operation of Circuit Breaker with Authentication** ” has been successfully completed by **Harshwardhan Mandhare, Sanket Mate, Vaishnavi Bambal, Saloni Bhoyar, Vaibhav Jiraphe, Viplav Bisen, Mrunali Dukare.**

Under the guidance of

Prof. B.S. Sudame

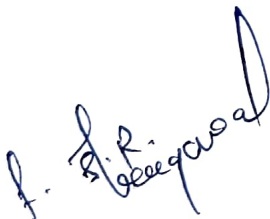
in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electrical Engineering, **YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University).**



Signature

Prof. BHARAT SUDAME

(Project Guide)



Signature

Prof. UJWALA WAGHMARE

(Project Co-ordinator)



Signature

Dr. SUMANT KADWANE

(Head of Department Electrical Engineering)

Signature of External Examiner Name:

Date of Examination:

CERTIFICATE OF APPROVAL

Certified that the project report entitled “ **OVER VOLTAGE AND UNDER VOLTAGE PROTECTION SYSTEM**” has been successfully completed by **Rakshandha Dhole, Sakshi Dharmik, Kunal Shivankar, Prajwal Belkhole, Sarang Nasare, Satvik Thote** under the guidance of **Prof. S. L. Tiwari** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electrical Engineering, **YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**.



Signature

Prof. S.L. Tiwari

(Project Guide)



Signature

Er. Jagdeesh Yadav, Project Manager

MV/HV/EHV Substation (PMD-COA), AL-Riyadh (KSA)

(Project Co- Guide)



Signature

Prof. Ujwala Waghmare

(Project Coordinator)



Signature

Dr. S. G. Kadwane

(Head of Department Electrical Engineering)

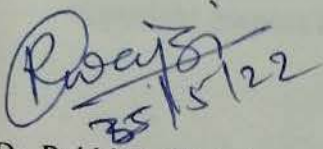
Signature of External Examiner

Name:

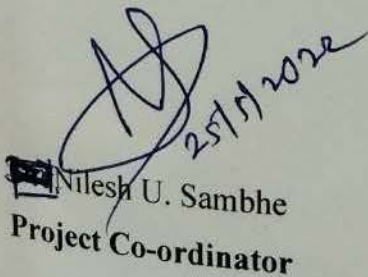
Date of Examination:

CERTIFICATE OF APPROVAL

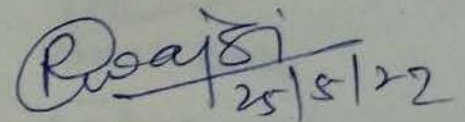
Certified that the project report entitled "VIRTUAL CODING PLATFORM" has been successfully completed by **Abhishek Yadav, Akshit Panday, Prathamesh Fulkari, Sarthak Chafle** under the guidance of **Dr. Rakhi D. Wajgi** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Computer Technology, Yeshwantrao Chavan College of Engineering, Nagpur (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



Dr. Rakhi D. Wajgi
(Project Guide)



Nileshe U. Sambhe
Project Co-ordinator



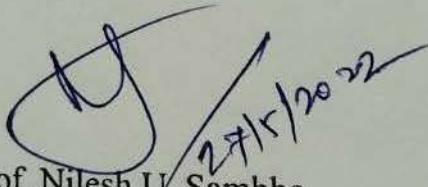
Dr. Rakhi D. Wajgi
(HOD, CT Dept.)

CERTIFICATE OF APPROVAL

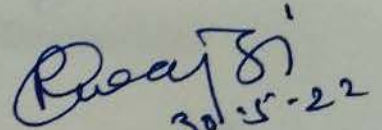
Certified that the project report entitled "AUTOMATED FIRE EXTINGUISHING ROBOT" has been successfully completed by DEVYANI RAUT, INDRAYANI MUNDLE, KSHITI DANGORE AND YASH SAHARE under the guidance of **PROF. NILESH U. SAMBHE** in recognition to the partial fulfillment for the award of the degree of Computer Technology, Yeshwantrao Chavan College of Engineering, Nagpur (*An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University*)



Prof. Nilesh. U. Sambhe
Project Guide



Prof. Nilesh U. Sambhe
Project Co-ordinator



Dr. Rakhi D. Wajgi
(HOD, CT Dept.)



सत्यमेव जयते
महाराष्ट्र शासन

महाराष्ट्र सुदूर संवेदन उपयोजन केंद्र
MAHARASHTRA REMOTE SENSING APPLICATION CENTRE
(निर्गोजन विभाग यांची स्वायत्त संस्था, महाराष्ट्र शासन)
(Autonomous Body of Department of Planning, Government of Maharashtra)
सी एन आय टी परिसर, दक्षिण अंबाझरी मार्ग, नागपूर - ४४४ ०१० (महाराष्ट्र)
VNIT Campus, South Ambazari Road, Nagpur - 444 010 (Maharashtra)



0712-2238576, 2220086 (EPBX) 0712-2225893 (Fax) info@mrsac.maharashtra.gov.in

Ref. No. :- MRSAC/Students -YCCE/UG/12/2021

Date: 28-09-2021

To,
Dr. M. S. Narlawar,
Head of the Department,
Electronics and Telecommunication,
YCCE, Higna Road Wanadongri,
Nagpur 441110

Sub :- Permission for the internship and guidance to UG Students-Communication engineering of YCCE, Nagpur for partial fulfillment of their degree.

Ref :- The letter Dated 23/09/2021

Dear Sir,


This is with the above reference letter, Seventh Semester students of Electronics & telecommunication department wanted allowed to work on "3D City Modeling using Augmented Reality" and will be ready for co-guide of the students

The name of the Students:

- 1) Tushar Savita (Roll No.: 159)
- 2) Ritesh Sah (Roll No.: 14)
- 3) Ashwin Raghuwanshi (Roll No.: 168)

Thanking You.

Yours,


Sanjay Balamwar
Associate Scientist
S. V. Balamwar
Associate Scientist
MRSAC, Nagpur-440010

Cc. Dr. Mrs. A. D. Belsare, Project Guide, Department of Electronics & telecommunication YCCE Nagpur



महाराष्ट्र सुदूर संवेदन उपयोजन केंद्र
MAHARASHTRA REMOTE SENSING APPLICATION CENTRE
(नियोजन विभाग यात्री स्वागत संस्था, महाराष्ट्र शासन)
(Autonomous Body of Department of Planning, Government of Maharashtra)
व्ही एन आय टी परिसर दक्षिण अंबाझरी मार्ग नागपूर - ४४४ ०१० (महाराष्ट्र)
VNIT Campus, South Ambazari Road, Nagpur - 444 010 (Maharashtra)

0712-2238576, 2220086 (EPBX)



0712-2225893 (Fax)



info@mrsac.maharashtra.gov.in

MRSAC

J-62

Ref. No. :- MRSAC/Students -YCCE/UG/02/2021

Date: 28-09-2021

To,

Dr. M. S. Narlawar,

Head of the Department,

Electronics and Telecommunication,

YCCE, Higna Road Wanadongri,

Nagpur 441110

Sub :- Permission for the internship and guidance to UG Students-Communication engineering of YCCE, Nagpur for partial fulfillment of their degree.

Ref :- The letter Dated 23/09/2021

Dear Sir,

This is with the above reference letter, Seventh Semester students of Electronics & telecommunication department wanted allowed to work on "Segmentation using knowledge-based classifiers and pattern recognition techniques" and will ready for co-guide of the students

The name of the Students :

1 Aniket Nagpure

2 Badal Sanodiya

3 Harshal Sevatkar

Thanking You.

Yours,

S. V. Balamwar
Associate Scientist
MRSAC, Nagpur-440010
Associate Scientist

Cc. **Dr. N. D. Rehpade**, Project Guide, Department of Electronics & telecommunication YCCE Nagpur

Mumbai Branch:

8th Floor, G. T. Hospital Complex,
Mahapalika Marg, Mumbai - 400 001

MRSAC

29 Years of Excellence

ESTD 1988

Pune Branch:

4th Floor, New Administrative Building,
Opposite Council Hall, Pune - 411 001



महाराष्ट्र सुदूर संवेदन उपयोजन केंद्र
MAHARASHTRA REMOTE SENSING APPLICATION CENTRE
(निर्भोजन विभाग यांची स्वायत्त संस्था, महाराष्ट्र शासन)
(Autonomous Body of Department of Planning, Government of Maharashtra)
व्ही एन आर सी परिसर, दक्षिण अंबाजरी मार्ग, नागपूर - ४४४ ०१० (महाराष्ट्र)
VNIIT Campus, South Ambazari Road, Nagpur - 444 010 (Maharashtra)



0712-2288576, 2220086 (EPBX) 0712-2225803 (Fax) info@mrsac.maharashtra.gov.in

Ref. No. :- MRSAC/Students -YCCE/UG/11 /2021

Date: 28-09-2021

To,
Dr. M. S. Narlawar,
Head of the Department,
Electronics and Telecommunication,
YCCE, Higna Road Wanadongri,
Nagpur 441110

Sub :- Permission for the internship and guidance to UG Students-Communication engineering of YCCE, Nagpur for partial fulfillment of their degree.

Ref :- The letter Dated 23/09/2021

Dear Sir,


This is with the above reference letter, Seventh Semester students of Electronics & telecommunication department wanted allowed to work on "Greenery Depletion Detection using Image Processing" and will be ready for co-guide of the students

The name of the students:

- 1) Rishikesh Mandlik (Roll No. 262)
- 2) Abhinav Bankar (Roll No. 238)
- 3) Shubhangi Khobragade (Roll No. 28)

Thanking You.

Yours,


Sanjay Balamwar
Associate Scientist
S. V. Balamwar
Associate Scientist
MRSAC, Nagpur-440010

Cc. Dr. Mrs. A. D. Belsare, Project Guide, Department of Electronics & telecommunication YCCE Nagpur

Mumbai Branch:
8th Floor, G. T. Hospital Complex,
Mahapalika Marg, Mumbai - 400 001

MRSAC
29 Years of Excellence
ESTB 1988

Pune Branch:
4th Floor, New Administrative Building,
Opposite Council Hall, Pune - 411 001



महाराष्ट्र सुदूर संवेदन उपयोजन केंद्र
MAHARASHTRA REMOTE SENSING APPLICATION CENTRE
(निर्भोजन विभाग यांची स्वायत्त संस्था, महाराष्ट्र शासन)
(Autonomous Body of Department of Planning, Government of Maharashtra)
व्ही एन आय टी परिसर दक्षिण अंबाडारी मार्ग, नागपूर - ४४४ ०१० (महाराष्ट्र)
VNIT Campus, South Ambazari Road, Nagpur - 444 010 (Maharashtra)



MRSAC

0712-2238576, 2220086 (EPBX) 0712-2225893 (Fax) Info@mrsac.maharashtra.gov.in

Date: 28-09-2021

Ref. No. :- MRSAC/Students -YCCE/UG/ 03/2021

To,
Dr. M. S. Narlawar,
Head of the Department,
Electronics and Telecommunication,
YCCE, Higna Road Wanadongri,
Nagpur 441110

Sub :- Permission for the internship and guidance to UG Students-Communication engineering of YCCE, Nagpur for partial fulfillment of their degree.

Ref :- The letter Dated 23/09/2021

Dear Sir,

This is with the above reference letter, Seventh Semester students of Electronics & telecommunication department wanted allowed to work on "Change detection of vegetation by satellite data using digital image processing techniques" and will ready for co-guide of the students

The name of the Students :

- 1 Prathamesh Sayam
- 2 Praneel Bhat
- 3 Sanket Ramteke

Thanking You.


Yours,

S. V. Balamwar
Associate Scientist
MRSAC, Nagpur-440010
Sanjay Balamwar
Associate Scientist

Cc. **Dr. N. D. Rehpade**, Project Guide, Department of Electronics & telecommunication YCCE Nagpur

Mumbai Branch:
8th Floor, G. T. Hospital Complex,
Mahapalika Marg, Mumbai - 400 001

MRSAC
29 Years of Excellence
ESTD 1988

Pune Branch:
4th Floor, New Administrative Building,
Opposite Council Hall, Pune - 411 001



**PALKAR
INDUSTRIES**

OFF : (07104) 232567
PHONE : (07104) 324050
FAX : (07104) 232929
email: palkarindustries@sancharnet.in



FACT : EL-5, HINGNA ROAD, ELECTRONIC ZONE, M.I.D.C., NAGPUR.

DATE:

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

The project work entitled **DESIGN AND EVALUATION OF LEAN FRAMEWORK IN SMALL SCALE INDUSTRY** has been completed in our industry by students of Yeshwantrao Chavan College of Engineering (Akshad Soman, Aniruddha Jagirdar, Aadarsh Pandit, Satvik Koli), under the guidance of prof. Ajay Bonde and Mr. Pravin Palkar in the academic session 2021-2022.

I wish them every success in life.

Thanks & Regards
PALKAR INDUSTRIES

For PALKAR INDUSTRIES


Proprietor



**PALKAR
INDUSTRIES**

OFF : (07104) 232567
PHONE : (07104) 324050
FAX : (07104) 232929
email: palkarindustries@sancharnet.in



FACT : EL-5, HINGNA ROAD, ELECTRONIC ZONE, M.L.D.C., NAGPUR.

Date-29/05/2022

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

The project work entitled **Optimization of Process Parameters of CNC Milling** has been completed in our industry by students of Yeshwantrao Chavan College of Engineering (Dikshant Kamble, Shashaank Laad, Vedant Barhate, Yash Kawalkar, Chandrakant Kshirsagar), under the guidance of Prof. A.S.Bonde and Mr. Pravin Palkar in the academic session 2021-2022.

I wish them every success in life.

Thanks & Regards

PALKAR INDUSTRIES





Gala No 35, Swarna Laghu Udyog, Electronics Zone, Hingna MIDC Nagpur-440016
Ph No. 07104-326400, Mob 9422502332

Internship Certificate

To Whom It May Concern

This is to certify that SANSKAR.B.JAIN, a student of B.E. VIIIth Semester Mechanical Engineering, Yeshwantrao Chavan College of Engineering, Nagpur worked under my supervision during his semester long internship period from date 13/1/22 to date 15/5/22.

He has worked hard in preparing this internship report and has been able to present a good presentation of the concerned work. The information and findings presented in the internship report seems to be authentic.

SANSKAR.B.JAIN possesses a good moral character and pleasing personality. I wish him every success in life.



DATE- 14/5/22

INDUSTRY CO ORDINATOR -

FOR- VENUS TURN TECHNIQUE

Authorised signatory



Gala No 35, Swarna Laghu Udyog, Electronics Zone, Hingna MIDC Nagpur-440016
Ph No. 07104-326400 Mob 9422502332

Internship Certificate

To Whom It May Concern

This is to certify that ANKIT.M.TAHALIYANI, a student of B.E. VIIIth Semester Mechanical Engineering, Yeshwantrao Chavan College of Engineering, Nagpur worked under my supervision during his semester long internship period from date 13/1/22 to date 15/5/22.

He has worked hard in preparing this internship report and has been able to present a good presentation of the concerned work. The information and findings presented in the internship report seems to be authentic.

ANKIT.M.TAHALIYANI possesses a good moral character and pleasing personality. I wish him every success in life.



DATE- 14/5/22

INDUSTRY CO ORDINATOR -

FOR- VENUS TURN TECHNIQUE

Authorised signatory

To,
The Director,
Tanmay Industries
Hingna MIDC, Nagpur

Subject: for granting permission for live major project in
Tanmay ~~your~~ industry.

Through: HOD, Mechanical Department

Respected Sir,

We students of Yeshwantao Charhan College of
Engineering, wants to do our major project in Tanmay
Industries. We are also doing internship in Tanmay

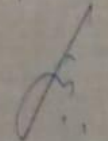
Industries from 3rd January 2022 till 31st May 2022.
We want to enhance our knowledge about manufacturing major
project industry. So please grant us permission to do live
major project in Tanmay industries.

Yours faithfully.

<u>Reg No.</u>	<u>Name</u>	<u>Sign</u>
1) 18010551	Aditya Kadam	<u>Aditya</u>
2) 18010779	Deepak Gawande	<u>Gawande</u>
3) 17010963	Sahil Kale	<u>Sahil</u>

26
For
Tanmay Industries
For Major Project
[24/2/2022]

Prof. Shende sir please
check the feasibility and
Permit



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

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfilment of the requirement

For the award of the degree

Of

Bachelor of Engineering in Civil

Engineering

By

SAURABH MANDAOKAR

MANTHAN PARTETI

AHMEDRAZA KHAN

KARTIK INGLE

RISHIKESH KARALE

BHUSHAN MADAVI

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



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Santa's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441 110

2021-22

CERTIFICATE OF APPROVAL

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


Signature

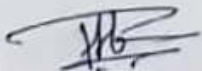
Name of Guide
(Ms. Amruta A. Yadav)


Signature

Name of co-ordinator
(Ms. Snehal Kamble)


Signature

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


Signature of External Examiner :

Name: **Prof. P.S. Bhandari**

Date of Examination: **30-5-2022**

“UTILISATION OF WASTE PLASTIC IN MANUFACTURING OF BRICKS BY USING CEMENT”

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfillment of the requirement

For the Award of the degree

Of

Bachelor of Engineering in Civil engineering

By

Ms. Akshari Sawant

Ms. Sharayu Pohankar

Mr. Mohd Ashadullah Ansari

Ms. Irish Shaikh

Ms. Vaishnavi khawse

Mr. Siddharth Jain

Under the guidance of

Dr. A. R. GAJBHIYE

(Guide)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sansta's

Yeshwantrao Chavan College of Engineering


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

NAGPUR-441 110

2021-2022

CERTIFICATE OF APPROVAL

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



Dr. A. R. Gajbhiye



Ms. S. K. Kamble




Dr. S. P. Raut

(Guide)
Signature

(Coordinator)
Signature

(HOD)
Signature

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

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

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfilment of the requirement

For the award of the degree

Of

Bachelor of Engineering in Civil Engineering

By

DEEPESH NARKHEDE

SIDDHANT HARDE

ESHAN GHARPURE

SIDDHESH MUDDAMWAR

NISHANT MASKE

ADITI HARDE

Under the guidance of

Dr. B.P. NANDURKAR



DEPARATMENT OF CIVIL ENGINEERING

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

2021-2022

i


CERTIFICATE OF APPROVAL

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



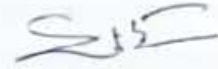
Dr. B. P. Nandurkar

(Guide)



Prof. S. Kamble

(Coordinator)



Dr. S. P. Raut

(HOD, CE Dept.)

Signature of External Examiner :

Name :

Date of Examination :

DESIGN OF GREEN SEWAGE TREATMENT PLANT

This project report is submitted to

Yeshwantrao Chavan College Of Engineering

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

In partial fulfilment of the requirement for the award of the degree

Of

Bachelor of Engineering in Civil Engineering

By

Kunal Deshmukh

&

Prathamesh Urade

Under the guidance of

PROF. C.S. WAGHMARE

AND

CHIEF ENGINEER SACHIN SAGNE



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVHAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441 110

2021-2022

1

CERTIFICATE OF APPROVAL

Certified that project report entitled "DESIGN OF GREEN SEWAGE TREATMENT PLANT" has been successfully completed by KUNAL DESHMUKH & PRATHAMESH URADE under the guidance of **PROF. C. S. WAGHMARE** AND SACHIN SAGNE(C.E) in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Civil Engineering, Yeshwantrao Chavhan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



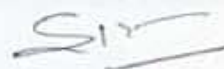
Signature

Prof. C. S. Waghmare
(Project Guide)



Signature

S.K. Kamble
(Dept. Co-ordinator)



Signature

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



Signature

Sachin Sagne
CO(Project Guide)

Signature of External Examiner

Name :

Date of Examination :

STATIC & DYNAMIC BEHAVIOR OF RUBBERIZED CONCRETE

This project report is submitted to

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

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

Of
Bachelor of Engineering in Civil Engineering

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

Under the guidance of
Prof. D. G. Agrawal



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

CERTIFICATE OF APPROVAL

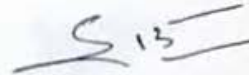
Certified that the project report entitled "STATIC & DYNAMIC BEHAVIOR OF RUBBERIZED CONCRETE" has been successfully completed by JANVI SARODE, SHIVANI NAMOJWAR, VAIDEHI BANSOD, ANIKET KOPARKAR, SARANG BHIMANWAR, TEJAS TIPALE, under the guidance of Prof. **D. G. AGRAWAL** in recognition to the partial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



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



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



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

**STABILIZATION OF SOIL BY USING FLY
ASH AND PLASTIC WASTE**

This project report is submitted to

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

In partial fulfillment of the requirement

For the award of the degree

Of

**Bachelor of Engineering in Civil
Engineering**

By

Ms. Nikita Ingole

Ms. Radhika Shrawankar

Mr. Urvesh Borkar

Ms. Pratiksha Dhanurkar

Mr. Tanay Bahekar

Mr. Navin Kothari

Under the guidance of

Dr. J. M. Raut



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Santa's

**YESHWANTRAO CHAVAN COLLEGE OF
ENGINEERING,**

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

NAGPUR – 441 110

2021-22

i

CERTIFICATE OF APPROVAL

Certified that the project report entitled "STABILIZATION OF SOIL BY USING FLY ASH AND PLASTIC WASTE" has been successfully completed by Ms. Nikita Ingole, Ms. Radhika Shrawankar, Mr. Urvesh Borkar, Ms. Pratiksha Dhanurkar, Mr. Tanay Bahekar, Mr. Navin Kothari under the guidance of Dr. **Jayant 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)



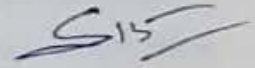
Signature

Dr. J. M. Raut
(Guide)



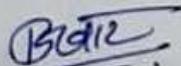
Signature

Prof. S. K. Kamble
(Coordinator)



Signature

Dr. S. P. Raut
(HoD)



Signature of External Examiner

Name: Prof. Madurwar Kamlesh

Date of Examination: 31/05/2021

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

This project report is submitted to

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

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

Of

Bachelor of Engineering in Civil Engineering

By

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

Under the guidance of

Mr. Khalid S. Ansari



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Santa's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441 110

2021-22

i

CERTIFICATE OF APPROVAL

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



Signature

Mr. Khalid S. Ansari

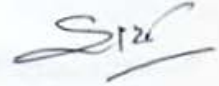
(Guide)



Signature

Mrs. Snehal Kamble


(Coordinator)



Signature

Dr. S.P Raut

(HOD, CE Dept.)



Signature of External Examiner

Name

Date of Examination

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

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

In partial fulfillment of the requirement

For the award of the degree

Bachelor of Engineering in Civil Engineering

By

ATHARVA KASLIKAR

PRANAY RAHATE

SUYASH RAKHUNDE

RUSHIKESH HIWANJ

ANIKET NAGE

VAIBHAV JUMALE

Under the guidance of

Prof. P. K. Hinge



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

(i)

CERTIFICATE OF APPROVAL

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



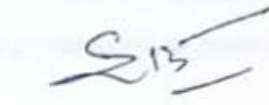
Signature

Prof.P.K.Hinge
(Guide)



Signature

Snehal Kamble
(Co-ordinator)



Signature

Dr.Sanjay P. Raut
(HoD)



Signature of External Examiner :

Name : M.D. Pidurkar

Date of Examination: 31/05/2022

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

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfillment of the requirement

For the award of the degree

Of

Bachelor of Engineering in Civil Engineering

By

Ms. Aastha Panbude

Ms. Meenal Katpalliwar

Ms. Rachana Bokse

Ms. Vedika Kamdi

Mr. Pratik Jaswante

Mr. Utkarsh Gohatre

Under the guidance of

Prof. Rajesh Bhagat

(Guide)

Dr. Prakash T. Kosankar

(Co- Guide)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

Nagpur)

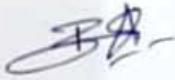
NAGPUR – 441 110

2021-2022

CERTIFICATE OF APPROVAL

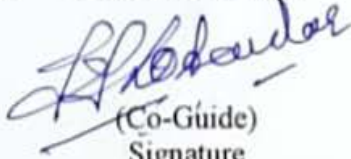
Certified that the project report entitled "Evaluation of Adsorption Capacity of Adsorbents Prepared from Agricultural & Industrial Waste" has been successfully completed by Ms. Aastha Panbude, Ms. Vedika Kamdi, Ms. Meenal Katpalliwar, Mr. Pratik Jaswante, Ms. Rachna Bokse and Mr. Utkarsh Gohatre under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

Prof. Rajesh Bhagat



(Guide)
Signature

Dr. P.T. Kosankar



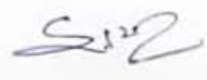
(Co-Guide)
Signature

Snehal Kamble



(Coordinator)
Signature

Dr. S. P. Raut



(HOD)
Signature

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

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfillment of the requirement

For the award of the degree

Of

Bachelor of Engineering in CIVIL ENGINEERING

By

Aachal Gadpayle

Yash Netke

Divya Chimurkar

Amey Tinkhede

Aniket Nagarikar

Kinshuk Karmarkar

Under the guidance of

Prof. S. G. Kalamkar



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING

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

NAGPUR - 441 110

2021-22

CERTIFICATE OF APPROVAL

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



Signature

Prof. S. G. Kalamkar

(Guide)



Signature

Prof. S. K. Kamble

(Coordinator)



Signature

Dr. S. P. Raut

(HoD, CE DEPT)

“Lightweight Concrete Containing Recycled Plastic Aggregates”

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

SHUBHAM ATRAM

GAGAN PAL

SHAILESH DHONGE

SAMIKSHA BHITADE

AAKANKSHA LALWANI

Under the guidance of

Dr. V. G. Meshram



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sansta's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING

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

NAGPUR – 441 110

2021-22

1

CERTIFICATE OF APPROVAL

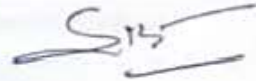
Certified that the project report entitled "Lightweight Concrete Containing Recycled Plastic Aggregates" has been successfully completed by Kunal Deshmukh, Shubham Atram, Gagan Pal, Shailesh Dhonge, Samiksha Bhitade and Aakanksha Lalwani under the guidance of **DR. VILAS GANUJI MESHARAM** in recognition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



DR. V. G. Meshram
(Guide)



Ms. S.K.Kamble
(Coordinator)



DR. S.P.RAUT
(HOD)

Signature of External Examiner :

Name :

Date of Examination :

RISK ASSESSMENT OF HIGHWAYS AND EXPRESSWAYS

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

Atharva Bisne

Sachin Meshram

Sagar Suryavanshi

Sahil Kalamkar

Tejas Gajwe

Varun Ghule

Under the guidance of

Prof. Yogesh Kherde



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur

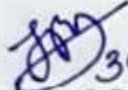
University, Nagpur)

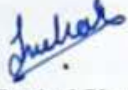
NAGPUR – 441 110

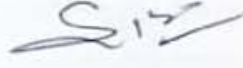
2021-2022

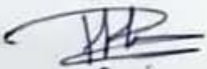
CERTIFICATE OF APPROVAL

Certified that the project report entitled "RISK ASSESSMENT OF HIGHWAY AND EXPRESSWAYS" has been successfully completed by ATHARVA BISNE, SACHIN MESHRAM, SAGAR SURYAVANSHI, SAHIL KALAMKAR, VARUN GHULE, TEJAS GAJWE under the guidance of **PROF.YOGESH KHERDE** in recognition to the partial fulfillment for the award of the degree of Bachelor of Civil Engineering, Yeshwantrao Chavan College of Engineering (*An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University*)


30/5/2022
Prof. Yogesh P. Kherde
(Guide)


Prof. Snehal Kamble
(Co-ordinator)


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


Prof. P. S. Bhandari
Name and Signature of External

Examiner: Date of Examination:

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

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

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

Of

Master of Technology in Environmental Engineering

By

Anuja R. Gangthade

Under the guidance of

Dr. Shantanu R. Khandeshwar

(Guide)

Er. Jagdish Lanjewar

(Director, Sun Enviro Technologies, Pvt. Ltd)

(Co-Guide)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

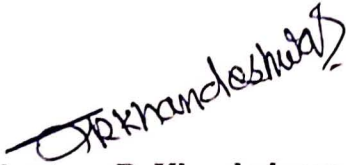
NAGPUR – 441 110

2021-2022

i

CERTIFICATE OF APPROVAL

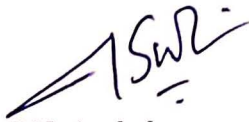
Certified that the project report entitled "To Study Membrane Bioreactor and To Check the Performance of Ceramic Membrane Bioreactor" has been successfully completed by **Anuja Ravindra Gangthade** under the guidance of **Dr. Shantanu Khandeshwar** and **Er. Jagdish Lanjewar** in recognition to the partial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



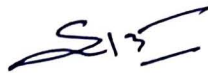
Dr. Shantanu R. Khandeshwar
(Guide)



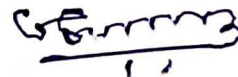
Er. Jagdish Lanjewar
(Co-Guide)
(Director of Sun Enviro Technologies
Pvt Ltd., Nagpur)



Dr. S.V. Ambekar
(Coordinator)



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



Dr. U.P. Waghe
(Principal)

Signature of External:

Examiner Name:

“PERFORMANCE ANALYSIS AND DESIGN OF AERATION TANK USING BIO CORD”

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

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

Of

Master of Technology in Environmental Engineering

By

Bhavna P. Thubri

Under the guidance of

Prof. Charuta Waghmare

(Guide)

Er. Jagdish Lanjewar

(Co-Guide)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

Nagpur)

NAGPUR – 441 110

2021-2022

CERTIFICATE OF APPROVAL

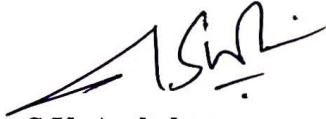
Certified that the project report entitled “**Design and Performance of Aerobic process by using Bio Cord**” has been successfully completed by **Bhavna Pradeep Thubri** under the guidance of **Prof. Charuta Waghmare** and **Mr. Jagdish Lanjewar** in recognition to the partial fulfillment for the award of the degree of Master of Technology in Environmental Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



Prof. Charuta Waghmare
(Guide)




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



Dr. S.V. Ambekar
(Coordinator)



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



Dr. U.P. Waghe
(Principal)



Signature of External Examiner

Name:

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

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

In partial fulfillment of the requirement

For the award of the degree

Of

Master of Technology in Environmental Engineering

By

Pradhnya .V. Kolhe

Under the guidance of

(Guide)

Dr. S.V.Ambekar

(Professor, Department of civil Engineering)

(Co-Guide)

Dr. Prashant Dhorabe

(Director Green Bee Resources Pvt. Ltd. Nagpur)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuvak Shikshan Sanstha's

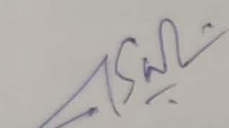
YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,
(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University,
Nagpur)

NAGPUR – 441 110

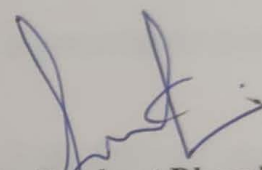
2021-2022

CERTIFICATE OF APPROVAL

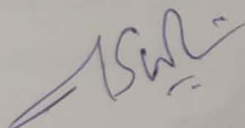
Certified that the project report entitled “Feasibility Study of Electro-Fenton Process for Treatment of Wastewater” has been successfully completed by Pradhnya .V. Kolhe under the guidance of **Dr. S.V.Ambekar** in recognition to the partial fulfillment for the award of the degree of Master of Technology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



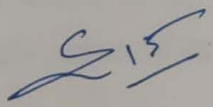
Dr. S.V.Ambekar
(Guide)



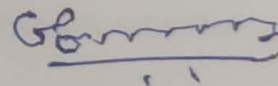
Dr. Prashant Dhorabe
(Co-Guide)



Dr. S.V.Ambekar
(Coordinator)



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



Dr. U.P.Waghe
(Principal)

Signature of External Examiner:

Name: **Prof. P. B. Kulkarni.**

“PERFORMANCE EVALUATION OF MICROALGAE FOR TREATMENT OF WASTEWATER”

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfillment of the requirement

For the award of the degree

of

Master of Technology in Environmental Engineering

By

Srushti D. Chindhalore

Under the guidance of

(Guide)

Dr. S.V. Ambekar

(Professor, Department of civil Engineering)

(Co-Guide)

Dr. Prashant Dhorabe

(Director, Green Bee Resources Pvt. Ltd.)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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


NAGPUR – 441 110

2021-2022


i

CERTIFICATE OF APPROVAL


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




Dr. S.V. Ambekar
(Guide)



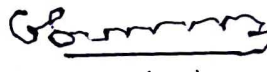
Dr. Prashant Dhorabe
(Co-Guide)



Dr. S.V. Ambekar
(Coordinator)



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



Dr. U.P. Waghe
(Principal)

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

Name:

**Monitoring, Analysis & Control Measures for Air and Noise
Pollution during the Construction Phase of Underground
Metro Station**

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfillment of the requirement

For the award of the degree

Of

Master of Technology in Environmental Engineering

By

SHRUTI R. SONTAKKE

Under the guidance of

Prof. S. G. Kalamkar

(Guide)

Mr. Nikhil Borkar

(Co-Guide)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING

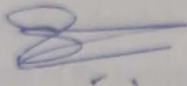
**(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur
University, Nagpur)**

NAGPUR - 441 110

2021-22

CERTIFICATE OF APPROVAL

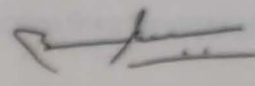
Certified that the project report entitled " **Monitoring, Analysis & Control Measures for Air and Noise Pollution during the Construction Phase of Underground Metro Station**" has been successfully completed by **Shruti R. Sontakke** under the guidance of **Prof. S. G. Kalamkar** in recognition to the partial fulfilment 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*).



Prof. S. G. Kalamkar

(Guide)

(Assistant professor, YCCE, Nagpur)

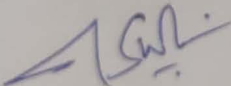


Mr. Nikhil Borkar

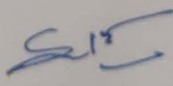
(Co-guide)

(Environmental Manager,

J. Kumar InfraProjects Ltd., Mumbai)




Dr. S. V. Ambekar
(Coordinator)



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

Dr. U. P. Waghe
(Principal)

Signature of External:  **Dr. Tripti Gupta**

Examiner Name:

Date of Examination: **7/07/2022**

**INVESTIGATION INTO DYNAMIC ANALYSIS OF
MULTI-STORIED PRE-ENGINEERED BUILDING WITH
VARIATION IN BRACING PARAMETERS**

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

*In partial fulfillment of the requirement
For the award of the degree
Of
Master of Technology in Structural Engineering
By*

Vyanktesh Ravishankar Nilapwar

Under the guidance of

Dr. A.V. Patil

Co-Guidance of

Dr. R.V. Meghrajani



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 – 441110

2021-2022

CERTIFICATION OF APPROVAL

Certified that the project report entitled "INVESTIGATION INTO DYNAMIC ANALYSIS OF MULTI-STORIED PRE-ENGINEERED BUILDING WITH VARIATION IN BRACING PARAMETERS" has been successfully completed by VYANKTESH R. NILAPWAR under the guidance of **Dr. ABHAY V. PATIL** 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*)



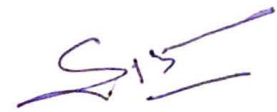
Signature
Dr. A.V. Patil
(Guide)



Signature
Dr. Ramesh Meghrajani
Principal Consultant
NEO infrastructure consultant
(Co-Guide)



Signature
Dr. V.G. Meshram
(Co-Ordinator)



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

**“ANALYSIS OF COMPOSITE BRIDGE AND STUDY
PARAMETERS FOR OPTIMUM DESIGN”**

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

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

Of
Master of Technology in Structural Engineering
By

Taranjitsingh H. Bagga

Under the guidance of

Dr. B.P Nandurkar

Co-Guidance of

Dr. R.V Meghrajani



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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


NAGPUR – 441 110

2021-2022

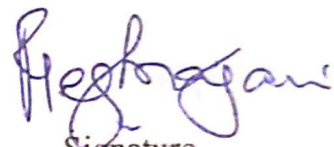
CERTIFICATE OF APPROVAL

Certified that the project report entitled "ANALYSIS OF COMPOSITE BRIDGE AND STUDY PARAMETERS FOR OPTIMUM DESIGN" has been successfully completed by TARANJITSINGH H. BAGGA under the guidance of **B.P NANDURKAR** in recognition to the partial fulfillment for the award of the degree of Master of Technology in STRUCTURAL ENGINEERING, Yeshwantrao Chavan College of Engineering(*An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University*)

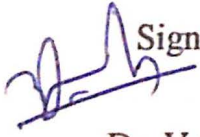
Signature


Dr. B.P Nandurkar
(Guide)

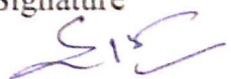
Signature


Dr. Ramesh Meghrajani
(Co-Guide)

Signature


Dr. V.G Meshram
(Co-ordinator)

Signature


Dr. S.P Raut
(H.O.D, CE Dept.)

**“ANALYSIS OF COMPOSITE BRIDGE AND STUDY
PARAMETERS FOR OPTIMUM DESIGN”**

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

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

Of
Master of Technology in Structural Engineering
By

Taranjitsingh H. Bagga

Under the guidance of

Dr. B.P Nandurkar

Co-Guidance of

Dr. R.V Meghrajani



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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


NAGPUR – 441 110

2021-2022

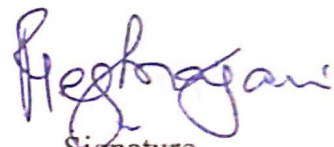
CERTIFICATE OF APPROVAL

Certified that the project report entitled "ANALYSIS OF COMPOSITE BRIDGE AND STUDY PARAMETERS FOR OPTIMUM DESIGN" has been successfully completed by TARANJITSINGH H. BAGGA under the guidance of **B.P NANDURKAR** in recognition to the partial fulfillment for the award of the degree of Master of Technology in STRUCTURAL ENGINEERING, Yeshwantrao Chavan College of Engineering(*An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University*)

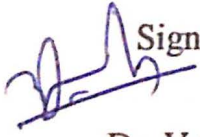
Signature


Dr. B.P Nandurkar
(Guide)

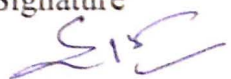
Signature


Dr. Ramesh Meghrajani
(Co-Guide)

Signature


Dr. V.G Meshram
(Co-ordinator)

Signature


Dr. S.P Raut
(H.O.D, CE Dept.)

“INNOVATIVE MODEL DEVELOPMENT FOR ENHANCING THE SERVICEABILITY OF FLEXIBLE PAVEMENT”

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*

MASTER OF TECHNOLOGY IN STRUCTURAL
ENGINEERING

By

MEGHANA RAMCHANDRAJI DONGRE

Under the guidance of

Prof. Y. P. KHERDE

Co-Guidance of

Er. SNEHAL BANARASE



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441 110

2021-2022

CERTIFICATE OF APPROVAL

Certified that the project report entitled "INNOVATIVE MODEL DEVELOPMENT FOR ENHANCING THE SERVICEABILITY OF FLEXIBLE PAVEMENT" has been successfully completed by MEGHANA R. DONGRE under the guidance of **Prof. Y. P. KHERDE (GUIDE)** and Er. SNEHAL BANARASE (CO-GUIDE) 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)



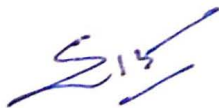
Signature

Prof. Y. P. KHERDE
(Guide)



Signature

Er. SNEHAL BANARASE
(Co-Guide)



Signature

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



Signature

Dr. V. G. MESHARAM
(Co-ordinator)

**TO STUDY THE EFFECT OF WIND LOAD ON
MULTI-STORIED BUILDING WITH DIFFERENT PLAN
SHAPES.**

This project report is submitted to

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

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

Of

Master of Technology in Structural Engineering

By

Nidhi S. Gosavi

Under the guidance of

Prof. V. N. Mendhe (Guide)

Er. Rajesh Joshi (Co-guide)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

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

NAGPUR – 441 110

2021-2022

CERTIFICATE OF APPROVAL

Certified that the project report entitled “**TO STUDY THE EFFECT OF WIND LOAD ON MULTI-STORIED BUILDING WITH DIFFERENT PLAN SHAPES**” has been successfully completed by NIDHI S. GOSAVI under the guidance of **Prof. V. N. MENDHE** and Er. RAJESH JOSHI in recognition to the partial fulfillment for the award of the degree of Master of Technology in Structural Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



Signature

Prof. V. N. Mendhe
(Guide)



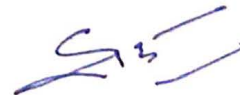
Signature

Er. Rajesh Joshi
(Co-Guide)



Signature

Dr. V. G. Meshram
(Co-ordinator)



Signature

Dr. S. P. Raut
(HoD, Civil Dept.)

“LIFE EVALUATION OF AN OLD HOSPITAL BUILDING”

This project report is submitted to

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

In partial fulfillment of the requirement

For the award of the degree

Of

**MASTER OF TECHNOLOGY IN STRUCTURAL
ENGINEERING**

By

SHREYA PRAMOD BHOYAR

Under the guidance of

Dr. V.G. MESHRAM

(Guide)

Dr. DILIP MASE

(Co-Guide)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Santa's

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

NAGPUR – 441 110

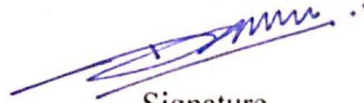
2021-2022

CERTIFICATE OF APPROVAL

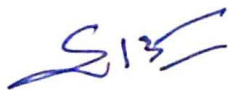
Certified that the project report entitled "LIFE EVALUATION OF AN OLD HOSPITAL BUILDING" has been successfully completed by SHREYA PRAMOD BHOYAR under the guidance of **Dr. V.G. MESHRAM (GUIDE)** and Dr. DILIP MASE (CO-GUIDE) in recognition to the partial fulfillment for the award of the degree of Master of Technology in Structural Engineering, Yeshwantrao Chavan College of Engineering (*An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University*)



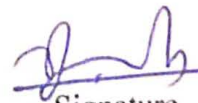
Signature
Dr. V.G MESHRAM
(Guide)



Signature
Dr. D. P. MASE
(Co-Guide)



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



Signature
Dr. V.G MESHRAM
(Co-Ordinator)

"ANALYSIS AND DESIGN OF AN INDUSTRIAL SHED"

This project report is submitted to

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

In partial fulfillment of the requirement

For the award of the degree

Of

Master of Technology in Structural Engineering

By

Nikita P. Naik

Under the guidance of

Prof. S.G. Hirekhan (Guide)

Er. Satish Raipure (Co-Guide)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

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

NAGPUR – 441110
2021-22

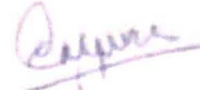
CERTIFICATE OF APPROVAL

Certified that the project report entitled "ANALYSIS AND DESIGN OF AN INDUSTRIAL SHED" has been successfully completed by NIKITA PRAMOD NAIK under the guidance of **Prof. S.G. HIREKHAN (GUIDE)** and co-guide Er. SATISH RAIPURE (CO-GUIDE) in recognition to the partial fulfillment for the award of the degree of Master of Technology in Structural Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



Signature

Prof. S.G. Hirekhan
(Guide)



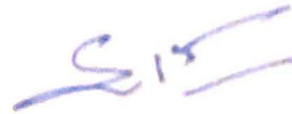
Signature

Er. Satish Raipure
(Co-Guide)



Signature

Dr. V.G. Meshram
(Co-ordinator)



Signature

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

**“PERFORMANCE EVALUATION OF DAMPING
DEVICES FOR TALL REINFORCED CONCRETE
STRUCTURE”**

This project report is submitted to

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

In partial fulfillment of the requirement

For the award of the degree

Of

**MASTER OF TECHNOLOGY IN STRUCTURAL
ENGINEERING**

By

MR. ANKUSH MARUTI PANTOJI

Under the guidance of

Prof. M. R. WAGH

(Guide)

Mr. SANTOSH PADSALGE

(Co-Guide)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Santa's

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

2021-2022

CERTIFICATE

Certified that the project report entitled "PERFORMANCE EVALUATION OF DAMPING DEVICES FOR TALL REINFORCED CONCRETE STRUCTURE" has been successfully completed by ANKUSH MARUTI PANTOJI under the guidance of **Prof. M. R. WAGH (GUIDE)** and Mr. SANTOSH PADSALGE (CO-GUIDE) in recognition to the partial fulfillment for the award of the degree of Master of Technology in Structural Engineering, Yeshwantrao Chavan College of Engineering (*An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University*)



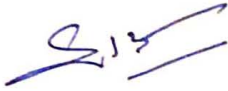
Signature

Prof. M. R. WAGH
(Guide)



Signature

Mr. SANTOSH PADSALGE
(Co-Guide)



Signature

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





Signature


Dr. V.G. Meshram
(Co-Ordinator)


CERTIFICATE

Certified that the project report entitled "PARAMETRIC STUDY OF RESPONSES OF RCC BUILDING ON SLOPING GROUND FOR RESPONSE REDUCTION FACTOR WITH FLOATING COLUMNS" has been successfully completed by RAJ SURESH YETEKAR under the guidance of **Prof. A. S. KURZEKAR (GUIDE)** and Mr. SANTOSH PADSALGE (CO-GUIDE) in recognition to the partial fulfillment for the award of the degree of Master of Technology in Structural Engineering, Yeshwantrao Chavan College of Engineering (*An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University*)


Signature
Prof. A. S. KURZEKAR
(Guide)


Signature
Mr. SANTOSH PADSALGE
(Co-Guide)


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


Signature
Dr. V.G. Meshram
(Co-Ordinator)

“PARAMETRIC STUDY OF RESPONSES OF RCC BUILDING ON SLOPING GROUND FOR RESPONSE REDUCTION FACTOR WITH FLOATING COLUMNS”

This project report is submitted to

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

In partial fulfillment of the requirement

For the award of the degree

Of

MASTER OF TECHNOLOGY IN STRUCTURAL ENGINEERING

By

Mr. RAJ SURESH YETEKAR

Under the guidance of

Prof. A. S. KURZEKAR

(Guide)

Mr. SANTOSH PADSALGE

(Co-Guide)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Santa's

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

2021-2022

CERTIFICATE

Certified that the project report entitled "PARAMETRIC STUDY OF RESPONSES OF RCC BUILDING ON SLOPING GROUND FOR RESPONSE REDUCTION FACTOR WITH FLOATING COLUMNS" has been successfully completed by RAJ SURESH YETEKAR under the guidance of **Prof. A. S. KURZEKAR (GUIDE)** and Mr. SANTOSH PADSALGE (CO-GUIDE) in recognition to the partial fulfillment for the award of the degree of Master of Technology in Structural Engineering, Yeshwantrao Chavan College of Engineering (*An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University*)



Signature
Prof. A. S. KURZEKAR
(Guide)



Signature
Mr. SANTOSH PADSALGE
(Co-Guide)



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



Signature
Dr. V.G. Meshram
(Co-Ordinator)

CERTIFICATE OF APPROVAL

Certified that the project report entitled “**Buddy of Visually Impaired Persons: A smart stick with walking assistance, GPS and SOS Button**” has been successfully completed by **Ashish Wanode, Milind Chide, Akshay Gunjarkar, Vivek Aglawey, Tushar Kalmegh and Nikhil Chamat** under the guidance of **Prof. P.S. Shete & Dr. B. Y. Masram** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electrical Engineering, **YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**.



Signature

Dr. B.Y.MASRAM



Signature

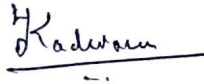
Prof. P.S.SHETE



Signature

Prof. Ujwala Waghmare

(Project Coordinator)



Signature

Dr. S. G. Kadwane


(Head of Department,
Electrical Engineering)



Signature

Dr. M.S. Narlawar

(Head of Department,
Electronics and
Telecommunication Engineering)



Signature of External Examiner

Name:

Date of Examination:

CERTIFICATE OF APPROVAL

Certified that the project report entitled “ SMART DUSTBIN FOR DRY-WET WASTE SORT, REAL-TIME MONITORING AND ALARM SYSTEM” has been successfully completed by Ashutosh Magre, Jayant Bhanse, Mayur Bagde, Suraj Nachane, Yash Jaipurkar, Yash Sakure, under the guidance of **Prof. N.T. Sahu** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electrical Engineering, **YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University).**



Signature

Prof. N.T. Sahu

(Prof. Electrical Department, YCCE)

(Project Guide)



Signature

Mr. Kartik Raghunathan

(Principal Scientist, EBGD, NEERI)

(Project Co-guide)

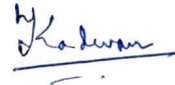


Signature

Prof. Ujwala Waghmare

(Prof. Electrical Department, YCCE)

(Project Coordinator)



Signature

Dr. Sumant Kadwane

(Head of Electrical Department, YCCE)

(Head of Electrical Department)



Signature of External Examiner:

Name: **S.D. Abhyankar**

Date of Examination:

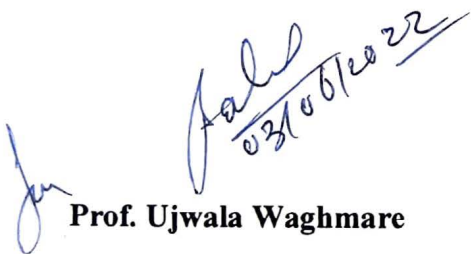
CERTIFICATE OF APPROVAL

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



Dr. R. M. Moharil

(Project Guide)



03/06/2022

Prof. Ujwala Waghmare

(Project Coordinator)



Dr. S. G. Kadwane

(Head of Department,
Electrical Engineering)



03/06/2022

Signature of External Examiner

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

Date of Examination:

CERTIFICATE OF APPROVAL

Certified that the project report entitled "E-BIKE WITH SECURITY SYSTEM" has been successfully completed by **Mihir Kamble, Tejas Malode, Saurabh Khillari, Prathamesh Chikhale**, under the guidance of **S.L. Tiwari** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electrical Engineering, **YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**.



Signature

S. L. TIWARI

(Project Guide)



Signature

Prof. Ujwala Waghmare

(Project Coordinator)



Signature

Dr. Sumant Kadwane

(Head of Department Electrical Engineering)



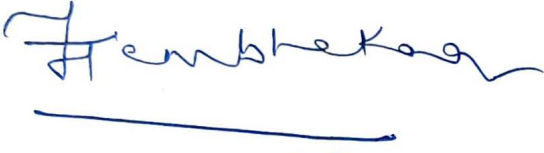
Signature of External Examiner Name:

Date of Examination:

CERTIFICATE OF APPROVAL

Certified that the project report entitled "**SOLAR AND WIND BASED UPS PROJECT**" has been successfully completed by **Bhupati Yamatkar, Shamal Dhobale, Ritesh Ashtankar, Nehal Kamble, Jay Mane, Sahil Walke** under the guidance of **Prof. T. D. Tembhekar** in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Electrical Engineering,

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING (An Autonomous Institution Affiliated to Rashtra Sant Tukadoji Maharaj Nagpur University).



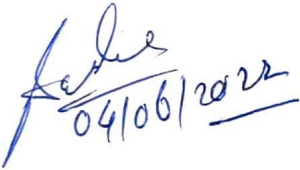
Prof. T. D. Tembhekar

(Project Guide)



Er. Aniket Hatwar

Dy Executive Engineer at Khaperkheda Power Plant
(Project Co Guide)



Prof. Ujwala Waghmare

(Project Coordinator)



Dr. Sumant G. Kadwane

(Head of Department Electrical Engineering)

Signature of External Examiner

Name:

Date of Examination: 04/06/2022

Mini Project Report

On

DIABETES PREDICTION SYSTEM USING
DEEP LEARNING

Submitted by

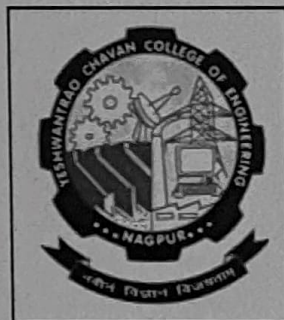
Ms. Amisha Sherekar (5)

Mr. Abiturab Vora (41)

Mr. Aniket Patil (44)

Guided by

Prof. Shailendra Shende



Department of Information Technology

Yeshwantrao Chavan College of Engineering, Nagpur

(An Autonomous Institute, Affiliated to RTM Nagpur University, Nagpur.)

Session: 2021-2022

Yeshwantrao Chavan College of Engineering, Nagpur
Department of Information Technology

Session: 2021-22



Certificate

This is to certify that Ms. Amisha Sherekar, Mr. Abiturab Vora, Mr. Aniket Patil has completed a Mini Project course titled "**DIABETES PREDICTION SYSTEM USING DEEP LEARNING**" towards the partial fulfillment of requirements for the B.E. seven semester of Information Technology.

Submitted by

Ms. Amisha Sherekar (5)

Mr. Abiturab Vora (41)

Mr. Aniket Patil (44)

Prof. Shailendra Shende

Project Guide

Prof. B. U. Bawankar

Project Co-ordinator(IT)

Dr. R. C. Dharmik

HOD (IT)

Mini Project Report
On
Pneumonia Detection WebApp

Submitted by
Anurag Nandanwar, 45
Kalpak Pimpale, 52
Saurabh Rithe, 65

Guided By
Prof. Nisha Wankhade



Department of Information Technology
Yeshwantrao Chavan College of Engineering
(An Autonomous Institute, Affiliated to RTM Nagpur University, Nagpur.)

Session: 2021-2022

Yeshwantrao Chavan College of Engineering, Nagpur

Department of Information Technology

Session: 2021-22



Certificate

This is to certify that Mr./Ms. Anurag Nandanwar, Kalpak Pimpale, Saurabh Rithe has completed a **Mini Project** course titled "***Pneumonia Detection WebApp***" towards the partial fulfillment of requirements for the B.E. seven semester of Information Technology.

Submitted by

Anurag Nandanwar, Kalpak Pimpale, Saurabh Rithe

Prof. Nisha Wankhade

Project Guide

Prof. B. U. Bawankar

Project Co-Ordinator(IT)

Dr. R. C. Dharmik

HOD (IT)

Optimization and Parallelization of Machine Learning Algorithms for DNA Classification

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 Information Technology

By

Ms. Mayuri Askar

Mr. Prashant Mishra

Mr. Sanket Tinkhede

Mr. Tushar Zade

VIII Sem. B.E. (IT)

Under the guidance of

Mr. Amol Gaikwad



DEPARTMENT OF Information 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

2021-2022

CERTIFICATE OF APPROVAL

Certified that the Semester Long Internship report of final year , entitled “**Optimization and Parallelization of Machine Learning Algorithms for DNA Classification**” has been successfully completed by Ms. Mayuri Askar, Mr. Prashant Mishra, Mr. Sanket tinkhade, Mr. Tushar Zade under the guidance of **Prof. Amol Gaikwad** from department in recognition to the partial fulfillment for the award of the degree of Bachelors of Engineering in Information Technology, Yeshwantrao Chavan College of Engineering (*An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University*).



Prof. Amol Gaikwad
Professor
Department of Information Technology
Y.C.C.E ,Nagpur



Prof. B. U. Bawankar
Project Co-ordinator
Department of Information Technology
Y.C.C.E, Nagpur



Dr. R. C. Dharmik
HOD
Department of Information Technology
Y.C.C.E, Nagpur



Signature of External Examiner

Name:

Date of Examination:

Realtime Face Identification & Authentication using CNN & LBPH

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 Information Technology

By

Mr. Abiturab Vora (39)

Mr. Ayush Arikar (48)

Mr. Arjun Korde (45)

VIII Sem. B.E. (IT)

Under the guidance of

Prof. Shailendra Shende



DEPARTMENT OF INFORMATION TECHNOLOGY

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING
(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
NAGPUR – 441 110

2021-2022

CERTIFICATE OF APPROVAL

Certified that the Semester Long Internship report of final year entitled "Realtime Face identification & authentication using CNN & LBPH" has been successfully completed by Mr. Abiturab Vora , Mr. Ayush Arikar, Mr. Arjun Korde under the guidance of Prof. Shailendra Shende in recognition to the partial fulfillment for the award of the degree of Bachelors of Engineering in Information Technology, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University).



Prof. Shailendra Shende
Guide

Department of Information Technology
Y.C.C.E, Nagpur



Prof. B. U. Bawankar
Co-ordinator, Project
Department of Information Technology
Y.C.C.E, Nagpur



Dr. R. C. Dharmik
Head
Department of Information Technology
Y.C.C.E, Nagpur



Signature of External Examiner

Name: Dr. Manoj K. Deshpande

Date of Examination: 04/08/2022

WEB APPLICATION FOR CLASSIFICATION OF DNA DATA USING
MACHINE LEARNING ALGORITHMS

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 Information Technology

By

Mr.Kalpak Pimpale

Ms. Sampada Navghare

Mr. Mayur Joshi

Mr. Utkal Junarkar

VIII Sem. B.E. (IT)

Under the guidance of

Prof. Bhushan Bawankar



DEPARTMENT OF INFORMATION TECHNOLOGY

Nagar Yuwak Shikshan Sanstha's

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

2021-2022

CERTIFICATE OF APPROVAL

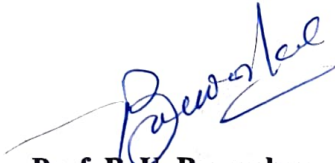
Certified that the Semester Long Internship project report entitled “WEB APPLICATION FOR OPTIMIZATION FOR CLASSIFICATION OF DNA DATA USING ML ALGORITHMS” has been successfully completed by Ms. Sampada Navghare, Mr. Kalpak Pimpale, Mr. Mayur Joshi and Mr. Utkal Junarkar under the guidance of **Prof. Bhushan Bawankar** from department in recognition to the partial fulfillment for the award of the degree of Bachelors of Engineering in Information Technology, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University).



Prof. Bhushan Bawankar

Guide

Department of Information Technology
Y.C.C.E, Nagpur



Prof. B. U. Bawankar

Project Co-ordinator

Department of Information Technology
Y.C.C.E, Nagpur



Dr. R. C. Dharmik

Head of Department

Department of Information Technology
Y.C.C.E, Nagpur

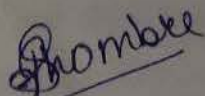
Signature of External Examiner

Name:

Date of Examination:

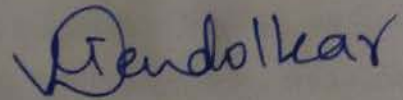
CERTIFICATE OF APPROVAL

Certified that the project report entitled "DEEP LEARNING MODEL FOR THE BRAIN TUMOUR DETECTION AND CLASSIFICATION" has been successfully completed by Mohini Mehare, Riya Kharwade, Durvesh Manusmare, Mandar Shende under the guidance of **Prof. Supriya Thombre** and Dr. Vaishali D. Tendolkar in recognition to the partial fulfilment for the award of the degree of Computer Technology, Yeshwantrao Chavan College of Engineering, Nagpur (*An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University*)



Prof. Supriya Thombre

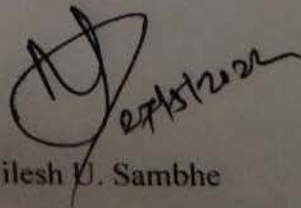
(Project Guide)



Dr. Vaishali D. Tendolkar

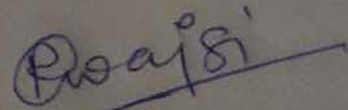
(Project Co-guide)

PRINCIPAL
Datta Meghe College of Nursing
Hingna Road, Wanadongri,
Nagpur - 441 110



Dr. Nilesh U. Sambhe

(Project Co-ordinator)

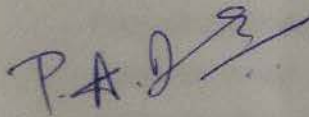


Dr. Rakhi D. Wajgi

(HOD, CT Dept)

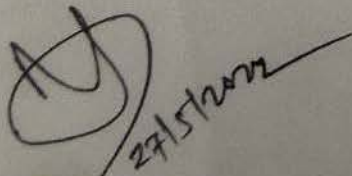
CERTIFICATE OF APPROVAL

Certified that the project report entitled “Exploratory Data Analysis on Nagpur Restuaurants” has been successfully completed by Pooja Tirankar, Sanskruti Gudadhe, Kartik Shende and Yash Sumbh under the guidance of **Dr. Prarthana Deshkar** in recognition to the partial fullfillment for the award of the degree of Computer Technology, Yeshwantrao Chavan College of Engineering, Nagpur (*An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University*).



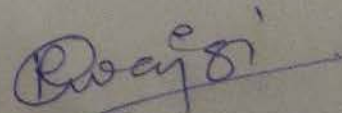
Dr. Prarthana Deshkar

(Guide)



Prof. Nilesh U. Sambhe

(Project Coordinator)

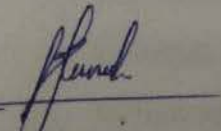


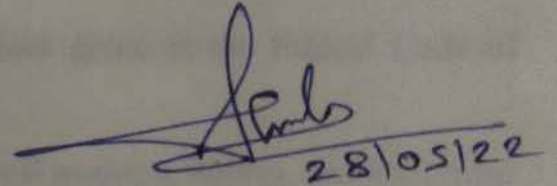
Dr. Rakhi D. Wajgi

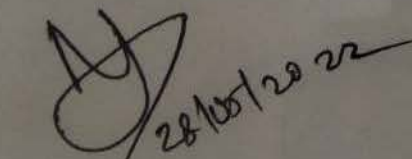
(HOD, CT Dept.)

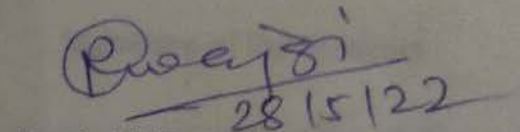
CERTIFICATE OF APPROVAL

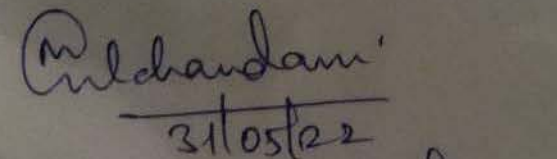
Certified that the project report entitled "MESOTHELIOMA DIAGNOSIS PREDICTION USING MACHINE LEARNING AND DATA SCIENCE" has been successfully completed by Anup Bagde, Mayuri Chhapparghare, Yogesh Manatkar and Ram Nemane under the guidance of **Dr. S. J. Karale** and **Prof. G.K. Yenurkar** in recognition to the partial fulfillment for the award of the degree of Computer Technology, Yeshwantrao Chavan College of Engineering, Nagpur (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)


Dr. S. J. Karale
(Guide)


28/05/22
Prof. G. K. Yenurkar
(Co-guide)

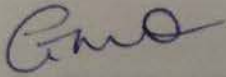

28/05/22
Prof. Nijesh U. Sambhe
(Project Co-ordinator)


28/05/22
Dr. Rakhi D. Wajgi
(HOD, CT Dept.)

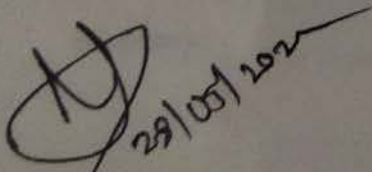

31/05/22
Mona Mulchandani

CERTIFICATE OF APPROVAL

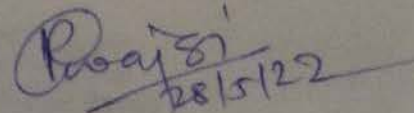
Certified that the project report entitled "Ambiguity Resolution in Sentence Boundary" has been successfully completed by Aasawari Raney, Gouri Dixit, Rutuja Deshmukh, Vedanti Awaghade under the guidance of **Dr. Gauri Dhopavkar** in recognition to the partial fulfillment for the award of the degree of Computer Technology, Yeshwantrao Chavan College of Engineering, Nagpur (*An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University*).



Dr. Gauri Dhopavkar
(Guide)



Prof. Nilesh U. Sambhe
Project Co-ordinator



Dr. Rakhi D. Wajgi
(HOD, CT Dept.)



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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

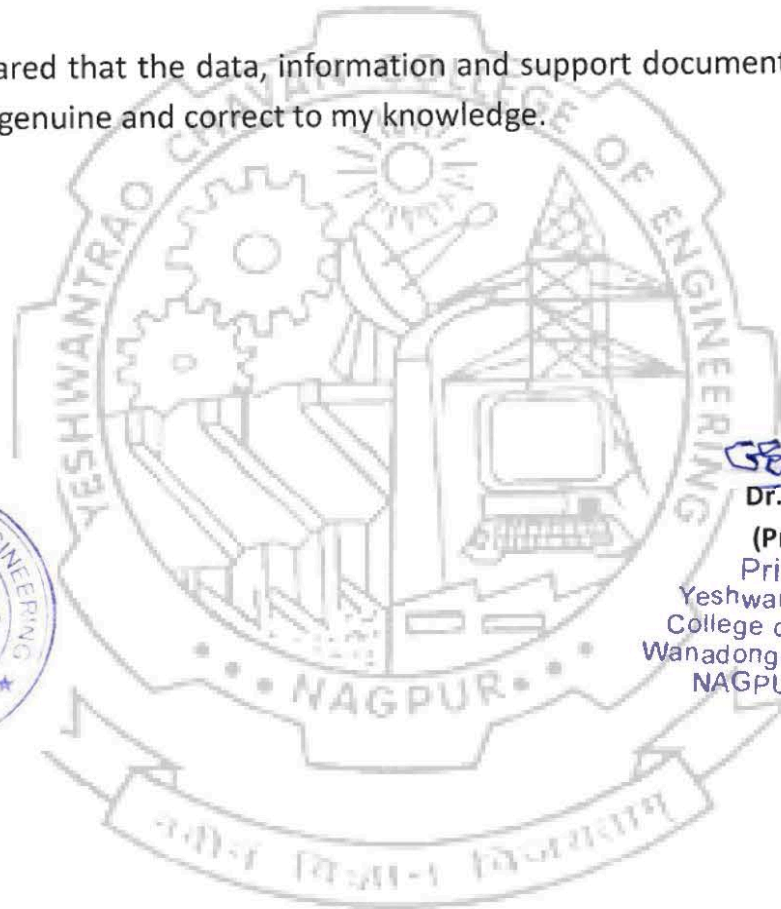
Hingna Road, Wanadongri, Nagpur - 441 110

NAAC Accredited with A⁺ Grade

Ph.: 07104-295083, 295085, Website: www.ycce.edu, Email: principal@ycce.edu

Declaration by Head of Institute

I hereby declared 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