



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 | 2023-24 |
| (INR In Lacks) | 34.83 |

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

2023-24

| Sr. No | Name of Supporting Document | Page Nos. |
|---------------|--|------------------|
| 1. | E copies of Sanction Letters of Government and non-Government Agencies | 1-59 |
| 2. | First Page of Research Based Project Reports | 60-167 |

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



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

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

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

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

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

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

The instructions/guidelines to be followed by University/Institution

I. Release of funds

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

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

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

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

II. Maintenance of accounts

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

III. Budget details:

1.(a) Budget Sanctioned

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

Important Note:

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

IV. Requirements from the Host Institute

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

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

Honorarium and TA guidelines

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

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

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

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

V. Refund of grant

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

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

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

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

or

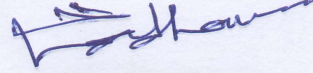
In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.

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

VII. General instructions

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

Yours sincerely,



(Yogesh Wadhawan)
Sr. Accounts Officer

Copy forwarded for information and necessary action to:

Name and Address

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



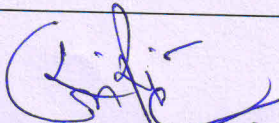
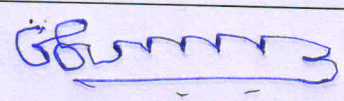
**Audited Utilization Certificate(UC)
For the FY: 2023-2024**

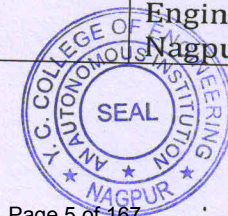
Name of the Institute: Yeshwantrao Chavan College of Engineering

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

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

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

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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

Hingna Road, Wanadongari, Nagpur-441110

NAAC Accredited with 'A++' Grade

Ph. : 07104- 295083, 295085

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

Statement of Expenditure (SoE)



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



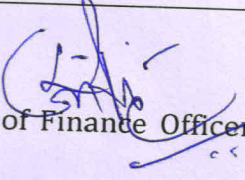
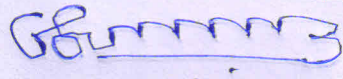
Ministry of Education's
INNOVATION CELL
(GOVERNMENT OF INDIA)

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



Important Points to be Noted

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

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



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

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



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

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)

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

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

Assistance to Professional Bodies and Seminar Symposia

File Number: SSY/2024/000019

Dated: 12-Feb-2024

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

Dear Dr. Sanjay Padmakar Raut,

It is to inform you that your proposal seeking for financial assistance under "Assistance to Professional Bodies & Seminar / Symposia Scheme" has been considered and recommended for the same. We are now agreed to provide **The committee recommended Rs 50000/-** to meet the expenses related to **TA/DA to Young and Senior Indian Scientists and Pre-Conference printing as partial grant-in-aid** to the recommended application.

The grant is only for **"Global Challenges, Local Solutions: Civil Engineering Symposium"** Dated: 15-Mar-2024 to 16-Mar-2024

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

Kindly submit the required document/ RIGS within 15 days of the receipt of this letter in order to enable us to process the file for the release of funds. In case, we do not receive the requested document within the provided time, it would be presumed that you are not interested in this offer and it would be stand withdrawn automatically. No further correspondence will be entertained thereafter

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

With kind regards,

(Dr. Sukumar Dey)

Scientist D

Ph:

Email: seminar.symposia@serb.gov.in

Dr. Sanjay Padmakar Raut

Civil Engineering

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



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

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)

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

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

Assistance to Professional Bodies and Seminar Symposia

File Number: SSY/2023/001749

Dated: 12-Feb-2024

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

Dear Ms. Charuta Subhash Waghmare,

It is to inform you that your proposal seeking for financial assistance under "Assistance to Professional Bodies & Seminar / Symposia Scheme" has been considered and recommended for the same. We are now agreed to provide **The committee recommended Rs 75000/-** to meet the expenses related to **TA/DA to Young and Senior Indian Scientists and Pre-Conference printing as partial grant-in-aid** to the recommended application.

The grant is only for **"Two days National seminar on Sustainable Approaches towards Environmental Management"**
Dated: 16-May-2024 to 17-May-2024

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

Kindly submit the required document/ RTGS within 15 days of the receipt of this letter in order to enable us to process the file for the release of funds. In case, we do not receive the requested document within the provided time, it would be presumed that you are not interested in this offer and it would be stand withdrawn automatically. No further correspondence will be entertained thereafter.

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

With kind regards,

(Dr. Sukumar Dey)

Scientist D

Ph:

Email: seminar.symposia@serb.gov.in

Ms. Charuta Subhash Waghmare

Civil Engineering

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

SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

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

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

Dated: 19 February, 2024

ORDER

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

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

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

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

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

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

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

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

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

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

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

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

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


(Dr. Sukumar Dey)

Scientist D

seminar.symposia@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

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


(Dr. Sukumar Dey)

Scientist D

seminar.symposia@serb.gov.in

SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

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

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

Dated: 05 February, 2024

ORDER

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

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

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

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

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

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

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

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

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

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

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

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

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


(Dr. Sukumar Dey)

Scientist D

seminar.symposia@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

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


(Dr. Sukumar Dey)

Scientist D

seminar.symposia@serb.gov.in



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

KUMAR & JAYAKRISHNAN
CHARTERED ACCOUNTANTS

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

Ref. _____

Date : _____

FORM G.F.R. 19 A

UTILIZATION CERTIFICATE
(IN DUPLICATE)

Date: 31.03.2024

SERB Sanction No: SSY/2023/000856-05.02.2024

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

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

*(In case of University /
Academic Institution)*

(Head of the Institution i.e.

Registrar / Director /
Principal)

Principal

Yeshwantrao Chavan
College of Engineering
Wanadongri Hingna Road
NAGPUR - 441110

(In case of Societies Association)

Signature of Accounts /
Finance Officer/
(with Seal)

FOR KUMAR & JAYAKRISHNAN
Chartered Accountants
FRN: 113708W

CAG V. Kuntjar
Partner
M. No. 100861

VDIN: 24100861BJ22YE2169
Date: 06/05/2024

Signature of the Chartered
Accountants
(with Seal)

Signature of Convener /
Organizing Secretary

Signature of Convener /
Organizing Secretary

(President/Secretary)

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



Nagar Yuvak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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

Hingna Road, Wanadongari, Nagpur-441110

NAAC Accredited with 'A++' Grade

Ph. : 07104- 295083, 295085

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



Science and Engineering Research Board

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

Statement of Expenditure & Utilization Certificate

(Financial Assistance to Seminar / Symposium)

S & SA, IGF,

Vasant Square Mall

Sector-B, Pocket-3, Vasant Kunj,

New Delhi - 110 070

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

Date:31/03/2024

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

Yeshwantrao Chavan College of Engineering, Wanadongri Nagpur-441110

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

3. Duration / Period of the organized event:

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

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

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

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



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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

Hingna Road, Wanadongari, Nagpur-441110

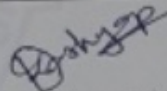
NAAC Accredited with 'A++' Grade

Ph. : 07104- 295083, 295085

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

5. Brief details of total income and expenditure:

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


(Signature of Convener / Organizing Secretary)

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

Innovation Cell

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

Date : 28-Aug-2023

Vch. No. : 700

YASHWANTRAO CHAVAN COLL OF ENGG

District : NAGPUR

PIN Code : 295083

Sir / Madam,

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

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

Advisor (Finance)



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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

Hingna Road, Wanadongri, Nagpur - 441 110

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

Research and Development Cell

YCCE/R and D Cell/2023-24/ 533

Date: 18 September 2023

To

Mr. Sagar W. Dhengare
Civil Engineering

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

Dear Mr. Sagar W. Dhengare

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

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

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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Research and Development Cell

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

Date: 18 September 2023

To

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

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

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

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

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

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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Hingna Road, Wanadongri, Nagpur - 441 110

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

Research and Development Cell

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

Date: 18 September 2023

To

Dr. Nischal P. Mungale

Mechanical Engineering

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

Dear Dr. Nischal P. Mungale

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

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

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwala Gawande
Dean, R and D

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

Copy To

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





Nagar Yuvak Bhavan Samithi's

Yeshwantrao Chavan College of Engineering

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Hingna Road, Wanadongri, Nagpur - 441 110

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

Research and Development Cell

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

Date: 18 September 2023

To

Mr. Chetan A. Mahatme

Mechanical Engineering

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

Dear Mr. Chetan A. Mahatme

We are pleased to inform you that your proposal titled **A 3-D Printed Training Device for Medical Professionals for Simulating Effective Lumbar Puncture Procedure** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 10,000/-**

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

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwala Gawande
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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Research and Development Cell

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

Date: 18 September 2023

To

Mr. Gopal H. Waghmare
Mechanical Engineering

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

Dear Mr. Gopal H. Waghmare

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

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

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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Research and Development Cell

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

Date: 18 September 2023

To

Mr. Dilip I. Sangotra

Mechanical Engineering

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

Dear Mr. Dilip I. Sangotra

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

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

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

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

Copy To

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





Nagar Yuwak Bhudhan Bhantha's

Yeshwantrao Chavan College of Engineering

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Hingna Road, Wanadongri, Nagpur - 441 110

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

Research and Development Cell

YCCE/R and D Cell/2023-24/ 539

Date: 18 September 2023

To

Mr. Sanket G. Kalamkar

Civil Engineering

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

Dear Mr. Sanket G. Kalamkar

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

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

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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Hingna Road, Wanadongri, Nagpur - 441 110

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

Research and Development Cell

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

Date: 18 September 2023

To

Mr. Dhiraj K. Thote

Electronics and Telecommunication

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

Dear Mr. Dhiraj K. Thote

We are pleased to inform you that your proposal titled **Agriculture Robot using IoT** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 15,000/-**

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

Dr. Nita Rehpade
Assistant Dean, IPR
Division

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(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

Date: 18 September 2023

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

To

Mrs. Nivedita A. Pande

Electronics and Telecommunication

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

Dear Mrs. Nivedita A. Pande

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

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

Dr. Nita Rehpade
Assistant Dean, IPR
Division

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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

Research and Development Cell

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

Date: 18 September 2023

To

Mr. Abhishek A. Madankar

Electronics and Telecommunication

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

Dear Mr. Abhishek A. Madankar

We are pleased to inform you that your proposal titled **Detection of Vata Dosha using Urine Sample** is recommended by the committee for approval and the proposal is approved for financial assistance of **Rs. 21,600/-**

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

Dr. Nita Rehpade
Assistant Dean, IPR
Division

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwala Gawande
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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

Research and Development Cell

YCCE/R and D Cell/2023-24/ 543

Date: 18 September 2023

To

Mr. Devendra Shahare
Mechanical Engineering

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

Dear Mr. Devendra Shahare

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

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

Dr. Nita Rehpade
Assistant Dean, IPR
Division

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwala Gawande
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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

Hingna Road, Wanadongri, Nagpur - 441 110

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

Research and Development Cell

YCCE/R and D Cell/2023-24/ 544

Date: 18 September 2023

To

Mr. Bhushan U. Bawankar

Information Technology

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

Dear Mr. Bhushan U. Bawankar

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

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

Dr. Nita Rehpade
Assistant Dean, IPR
Division

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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

Hingna Road, Wanadongri, Nagpur - 441 110

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

Research and Development Cell

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

Date: 18 September 2023

To

Mr. Surendra S. Nagpure

Mechanical Engineering

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

Dear Mr. Surendra S. Nagpure

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

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

Dr. Nita Rehpade
Assistant Dean, IPR
Division

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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

Hingna Road, Wanadongri, Nagpur - 441 110

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

Research and Development Cell

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

Date: 18 September 2023

To

Mr. Yogesh S. Kale

Electronics and Telecommunication

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

Dear Mr. Yogesh S. Kale

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

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

Dr. Nita Rehpade
Assistant Dean, IPR
Division

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwala Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

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

Copy To

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- A/C Section, YCCE





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Yeshwantrao Chavan College of Engineering

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Research and Development Cell

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

Date: 18 September 2023

To

Mrs. Minal S. Ghute

Electronics and Telecommunication

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

Dear Mrs. Minal S. Ghute

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

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

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwala Gawande
Dean, R and D

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

Copy To

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





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Research and Development Cell

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

Date: 18 September 2023

To

Dr. Tejaswini Panse

Electronics Engineering

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

Dear Dr. Tejaswini Panse

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

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

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

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





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Research and Development Cell

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

Date: 18 September 2023

To

Dr. Prachi Palsodkar

Electronics Engineering

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

Dear Dr. Prachi Palsodkar

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

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

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

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





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Research and Development Cell

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

Date: 18 September 2023

To

Mr. Nilesh U. Sambhe

Computer Technology

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

Dear Mr. Nilesh U. Sambhe

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

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

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwala Gawande
Dean, R and D

Dr. U. P. Waghe

Principal,

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

Copy To

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





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Research and Development Cell

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

Date: 18 September 2023

To

Dr. Bharati N. Patil

Physics Department

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

Dear Dr. Bharati N. Patil

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

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

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

- HoD, Department of **Physics Department**, YCCE
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Research and Development Cell

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

Date: 10 October 2023

To

Mr. Nilesh Gedam

Mechanical Engineering

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

Dear Mr. Nilesh Gedam

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

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

Dr. Nita Rehpade
Assistant Dean, IPR
Division

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

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





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Research and Development Cell

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

Date: 10 October 2023

To

Mr. J. N. Dehankar

Computer Science and Engineering

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

Dear Mr. J. N. Dehankar

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

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

Dr. Yogita Chitriv
Assistant Dean, Funding
Proposal

Dr. Ujwala Gawande
Dean, R and D

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

Copy To

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





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Yeshwantrao Chavan College of Engineering

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Research and Development Cell

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

Date: 10 October 2023

To

Dr. Girish Thote

Mechanical Engineering

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

Dear Dr. Girish Thote

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

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

Dr. Yogita Chitriv
Assistant Dean, Funding
Proposal

Dr. Ujwala Gawande
Dean, R and D

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

Copy To

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





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Yeshwantrao Chavan College of Engineering

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Research and Development Cell

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

Date: 10 October 2023

To

Mrs. Megha Sawangikar

Applied Chemistry

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

Dear Mrs. Megha Sawangikar

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

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

Dr. Yogita Chitriv
Assistant Dean, Funding
Proposal

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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Research and Development Cell

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

Date: 10 October 2023

To

Mrs. S. L. Tiwari

Electrical Engineering

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

Dear Mrs. S. L. Tiwari

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

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

Dr. Nita Rehpade
Assistant Dean, IPR
Division

Dr. Yogita Chitriv
Assistant Dean,
Funding Proposal

Dr. Ujwala Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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Hingna Road, Wanadongri, Nagpur - 441 110

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

Research and Development Cell

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

Date: 06 December 2023

To

Mrs. S. K. Mohod

Electrical Engineering

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

Dear Mrs. S. K. Mohod

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

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

Dr. Nita Rehpade
Assistant Dean,
IPR Division

Dr. Yogita Chitriv
Assistant Dean, Funding
Proposal Division

Dr. Ujwalla Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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

Research and Development Cell

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

Date: 06 December 2023

To

Mr. Roshan Bhanuse

Computer Technology

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

Dear Mr. Roshan Bhanuse

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

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

Dr. Nita Rehpade
Assistant Dean,
IPR Division

Dr. Yogita Chitriv
Assistant Dean, Funding
Proposal Division

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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

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

Research and Development Cell

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

Date: 06 December 2023

To

Mr. Aniket Munshi

Electrical Engineering

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

Dear Mr. Aniket Munshi

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

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

Dr. Nita Rehpade
Assistant Dean,
IPR Division

Dr. Yogita Chitriv
Assistant Dean, Funding
Proposal Division

Dr. Ujwalla Gawande
Dean, R and D

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

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)

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Research and Development Cell

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

Date: 06 December 2023

To

Mr. Rohan Khonde

Electrical Engineering

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

Dear Mr. Rohan Khonde

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

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

Dr. Nita Rehpade
Assistant Dean,
IPR Division

Dr. Yogita Chitriv
Assistant Dean, Funding
Proposal Division

Dr. Ujwalla Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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Research and Development Cell

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

Date: 06 December 2023

To

Mr. Yogesh Kale

Electronics and Telecommunication

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

Dear Mr. Yogesh Kale

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

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

Dr. Nita Rehpade
Assistant Dean,
IPR Division

Dr. Yogita Chitriv
Assistant Dean, Funding
Proposal Division

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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Research and Development Cell

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

Date: 06 December 2023

To

Mr. Vaibhav R. Doifode

Electrical Engineering

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

Dear Mr. Vaibhav R. Doifode

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

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

Dr. Yogita Chitriv
Assistant Dean, Funding
Proposal Division

Dr. Ujwalla Gawande
Dean, R and D

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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Hingna Road, Wanadongri, Nagpur - 441 110

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

Research and Development Cell

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

Date: 06 December 2023

To

Dr. Boskey Bahoria

Civil Engineering

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

Dear Dr. Boskey Bahoria

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

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

Dr. Yogita Chitriv
Assistant Dean, Funding
Proposal Division

Dr. Ujwalla Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

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

Copy To

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





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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Hingna Road, Wanadongri, Nagpur - 441 110

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Research and Development Cell

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

Date: 06 December 2023

To

Dr. Jayant M. Raut

Civil Engineering

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

Dear Dr. Jayant M. Raut

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

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

Dr. Yogita Chitriv
Assistant Dean, Funding
Proposal Division

Dr. Ujwala Gawande
Dean, R and D

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

Copy To

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- A/C Section, YCCE





Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering

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Hingna Road, Wanadongri, Nagpur - 441 110

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

Research and Development Cell

YCCE/R and D Cell/2023-24/ 919

Date: 06 December 2023

To

Mr. Fazil Sheikh

Computer Science and Engineering

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

Dear Mr. Fazil Sheikh

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

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

Dr. Yogita Chitriv
Assistant Dean, Funding
Proposal Division

Dr. Ujwala Gawande
Dean, R and D

Dr. U. P. Waghe
Principal

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

Copy To

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



Yeshwantrao Chavan College of Engineering

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

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

Under Ledger: Student Project Expenses

1-Sep-2023 to 31-Mar-2024

Page 1
Credit

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

Carried Over

Page 51 of 167

84,525.00

contin

| Date | Particulars | Vch Type | Vch No. | Debit | Credit |
|-----------|---|--|---------------|--------------------|--------------------|
| | Brought Forward | | | 84,525.00 | |
| 20-9-2023 | Cr Student Project Expenses <i>being Expenses submitted by Dept of E & T Student - Project Name-Developing a sliding gate using CV & ML Technologies- Utkarsh Dafe & Pranav Sawarkar & Manu Varghese & Nandini Sakhare- 4 nos of Students</i> | JOURNAL_ | YCCE/ JV- 859 | 13,819.00 | |
| | Cr (as per details) Student Project Expenses Dubey Y. K./ Chitriv | JOURNAL_ 9,866.00 Dr 9,866.00 Cr | YCCE/ JV- 860 | 9,866.00 | |
| | <i>being Expenses submitted by Dept of E & T Student - Project NameFootprint Count using face Recognition- Samruddhi Uplapwar & Nikita Parate & Saloni Giratkar & Yashaswi Rewatkar-4 nos of Student</i> | | | | |
| | Cr (as per details) Student Project Expenses Dubey Y. K./ Chitriv | JOURNAL_ 8,260.00 Dr 8,260.00 Cr | YCCE/ JV- 861 | 8,260.00 | |
| | <i>being Expenses submitted by Dept of E & T Student - Project Name-Android App for heart disease Prediction using ML- Sukhada Ajmire & Vedika Mathurkar & Sayalee Ambulkar & Chinmayee Didolkar- 4 nos of Students</i> | | | | |
| | Cr (as per details) Student Project Expenses Madankar A A | JOURNAL_ 12,579.00 Dr 12,579.00 Cr | YCCE/ JV- 862 | 12,579.00 | |
| | <i>being Expenses submitted by Dept of E & T Student - Project Name-Electronics Midi Pad- Shreyas Kothiwari & Rohit Rahangdale & Ishani Zoting & Mansi Madan- 4 nos of Students</i> | | | | |
| | Cr (as per details) Student Project Expenses Madankar A A | JOURNAL_ 12,108.00 Dr 12,108.00 Cr | YCCE/ JV- 863 | 12,108.00 | |
| | <i>being Expenses submitted by Dept of E & T Student - Project Name-Vata dosh detection- Sainath Gunde & Vibha Bopche & Leenal Nikhare & Payal Parate- 4 nos of Students</i> | | | | |
| 16-3-2024 | Dr Student Project Expenses <i>Received from Minal Ghute Being ch received as per DFC counter No. c -12 dtd 16.03.2024</i> | Bank Receipt | YCCE/BR/ 1305 | | 19,845.00 |
| | | | | 1,41,157.00 | 19,845.00 |
| | Dr Closing Balance | | | 1,41,157.00 | 1,21,312.00 |
| | | | | <u>1,41,157.00</u> | <u>1,41,157.00</u> |

Yeshwantrao Chavan College of Engineering

Hingna Road Wanadongri,
NAGPUR - 441110

Cost Centre: Civil Department [C E]

Under Ledger: Student Project Expenses

1-Apr-2023 to 31-Mar-2024

Page 1

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

Carried Over

63,029.00

continued ...

| Date | Particulars | Vch Type | Vch No. | Debit | Credit |
|-----------|---|--------------|---------------|-----------|--------|
| | Brought Forward | | | 63,029.00 | |
| 14-8-2023 | Cr (as per details) | JOURNAL_ | YCCE/ JV- 600 | 15,727.00 | |
| | Student Project Expenses | 15,727.00 Dr | | | |
| | Mendhe Vaishali N | 15,727.00 Cr | | | |
| | <i>being amount of Project Expenses submitted by Dept of Civil [Rs.15727/- Topics- to Study the Flexural Strength and Compressive Strength of Bamboo Fiber, Steel Fiber, Limestone, and Hybrid Composite -Student Name --Ayush kanekar, Samin Dahlikar, Sanket Khadse, Sudhansh Wasade, & Swamin Ghadse] 5 nos]</i> | | | | |
| | Cr (as per details) | JOURNAL_ | YCCE/ JV- 601 | 19,433.00 | |
| | Student Project Expenses | 19,433.00 Dr | | | |
| | Waghmare Charuta S | 19,433.00 Cr | | | |
| | <i>being amount of Project Expenses submitted by Dept of Civil [Rs.19433/- Topics- Performance Evaluation of Pomegranate Peel Bio Adsorbent for Removal of Dye from Aqueous Solution-Student Name -[Sanskuti Lohakare, Sejal Wagh, Vrushall Sowkuwar, Ankit Aghav, Gaurav Sarkar, Hardki Shendre 6 nos]</i> | | | | |
| | Cr (as per details) | JOURNAL_ | YCCE/ JV- 662 | 6,461.00 | |
| | Student Project Expenses | 6,461.00 Dr | | | |
| | ANSARI KHALID SHAMIM | 6,461.00 Cr | | | |
| | <i>being amount of Project Expenses submitted by Dept of Civil [Rs.6461/- Topics-Experimental Study on Composing of tea waster, and its optimization by Taguchi method-Student Name-Rutuj Jivlode, Ashwini Kakade, Chahul Danao, Mrunal Bobde, Sanket Sondawale & Sohel Khan- 6 nos]</i> | | | | |
| | Cr (as per details) | JOURNAL_ | YCCE/ JV- 663 | 15,830.00 | |
| | Student Project Expenses | 15,830.00 Dr | | | |
| | Raut Jayant M | 15,830.00 Cr | | | |
| | <i>being amount of Project Expenses submitted by Dept of Civil [Rs.15830/- Topics-Effect of Variation in Rainfall, Intensity of slope Stability in India-Student Name-Sejal Dhanvijay, Arnab Kumar, Aryan Kumar, Kailash dharmik, Saurabh Channo, Aman Mahant- 6 nos]</i> | | | | |
| | Cr (as per details) | JOURNAL_ | YCCE/ JV- 664 | 16,050.00 | |
| | Student Project Expenses | 16,050.00 Dr | | | |
| | Agrawal Dhiraj G | 16,050.00 Cr | | | |
| | <i>being amount of Project Expenses submitted by Dept of Civil [Rs.-16050/- Topics-Investigation of Durability of Ruberized Concrete-Student Name-Aman Mahant, Abhishek Rathod, Aniket Khobragade, Harshal Upawat, kapil Zode & Sanajy Sagar & Prashik Vaidya 6 nos]</i> | | | | |

Carried Over

1,36,530.00

continued ...

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

Carried Over

2,12,550.00

continued ...

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

Yeshwantrao Chavan College of Engineering

Hingna Road Wanadongri,

N A G P U R - 441110

Cost Centre: Electronics Engg.[E E]

Under Ledger: Student Project Expenses

1-Apr-2023 to 31-Mar-2024

Page 1

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

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



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

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

DEPARTMENT OF MECHANICAL ENGINEERING (Project: 2022-23)

NOTE

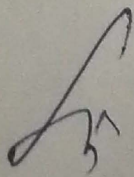
DATE:12-07-2024

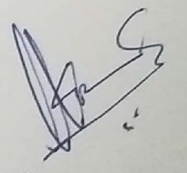
SUBJECT: Sanction of Expenditure regarding UG project for session 2023-24.

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

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

FOR NA
GOURNA
02-08
AL


(Dr. J. P. Giri)
HOD ME


(V. M. KORDE)
Co-Ordinator

First Page of Research Based Project Reports

IOT based Pet Daycare Robot

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfillment of the requirement

For the award of the degree

Of

Bachelor of Engineering in Electronics & Telecommunication Engineering

By

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

Under the guidance of

Prof. M.S. Ghute



Department of Electronics & Telecommunication Engineering

Nagar Yuwak Shikshan Sanstha's

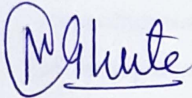
YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,
*(An autonomous institution affiliated to Rashtrasant Tukdoji Maharaj Nagpur University,
Nagpur)*

NAGPUR – 441110

2022-23

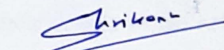
CERTIFICATE OF APPROVAL

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



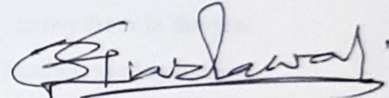
Signature

Prof. Minal S. Ghute
Project Guide



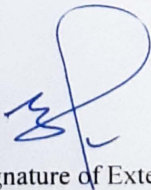
Signature

Mr. Shrikant Bhandarkar
Electus Technologies



Signature

Dr. M.S. Narlawar
HOD ET Dept



Signature of External Examiner

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

Date of Examination:

Canal Water Data Monitoring and Controlling System.

*This project report is submitted to
Yeshwantrao Chavan College of Engineering
(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur
University)
In partial fulfillment of the requirement for the award of the degree*

of

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

by

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

Under the guidance of

Prof. Vaishali Niranjane.



DEPARTMENT OF Electronics & Telecommunication Engineering
Nagar Yuwak Shikshan Sanstha's
YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,
(An autonomous institution affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur)
NAGPUR – 441 110
2022-2023

CERTIFICATE OF APPROVAL

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



Prof. V. B. Niranjane
Project Guide



Mr. Pravin Zod
Project Co guide



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



Signature of External Examiner

Name: **Dr Bharati B. Sayankar**

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

Voice Controlled Elevator with Solar Backup and SOS Messaging

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

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

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

By

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

Under the guidance of

Prof. Nivedita Pande



DEPARTMENT OF Electronics & Telecommunication Engineering

Nagar Yuwak Shikshan Sanstha's

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

NAGPUR – 441 110

2022-2023

CERTIFICATE OF APPROVAL

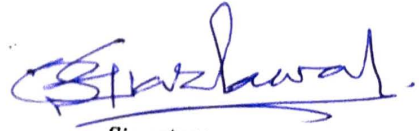
This is to Certify that the project report entitled “**Voice Controlled Elevator with Solar Backup and SOS Messaging**” has been successfully completed by **Janhavi Chikhalkar, Riya Waghmare, Vaishnavi Jadhav and Shubhankar Guha** under the guidance of **Prof. Nivedita Pande** in recognition to the partial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



Signature

Prof. Nivedita Pande

Project Guide



Signature

Dr. M. S. Narlawar

HOD ET Dept



Signature of External Examiner

Name: -

Date of Examination:

Smart Shoe for Human Fall Detection and Prevention

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfillment of the requirement

For the award of the degree

of

Bachelor of Engineering in Electronics & Telecommunication Engineering

by

Dhanshri Narse

Harshita Nedunuri

Priya Sawarkar

Vrushali Talkhande

Under the guidance of

Dr. Prabhakar D. Dorge

Dr. Kiran Pettewar
Dhanwantari Clinic, Nagpur



DEPARTMENT OF Electronics & Telecommunication Engineering

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441 110

2022-2023

CERTIFICATE OF APPROVAL

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



Dr. P. D. Dorge
(Guide)



Dr. Kiran Pettewar
(Co-Guide)



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



Signature of External Examiner:

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

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

Overloading Detection in Transport Vehicles

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

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

of

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

by

Aakansha Nimje

Arpita Raut

Neha Mehatre

Sayli Humane

Under the guidance of

Dr. B. Y. Masram



DEPARTMENT OF Electronics & Telecommunication Engineering

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441 110

2022-2023

Page 68 of 167

CERTIFICATE OF APPROVAL

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



Dr. B. Y. Masram
(Guide)



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



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

Signature of External Examiner



Name:- Dr. P. D. Khondait

Date of Examination: 05/01/23

ELECTRONIC NOSE - FOR INDUSTRIAL SAFETY

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

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

of

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

by

Unnati Singh , Anagha Kalejwar, Renuka Bhingare, Rujuta Baxy

Under the guidance of

Prof. Dhiraj Thote



**DEPARTMENT OF Electronics & Telecommunication
Engineering**

Nagar Yuwak Shikshan Sanstha's

**YESHWANTRAO CHAVAN COLLEGE OF
ENGINEERING,**

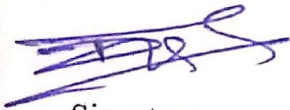
(An autonomous institution affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur)

NAGPUR – 441 110

2022-2023

Certificate Of Approval

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



Signature

Prof. D.K.Thote

(Guide)



Signature

Mr. Anand Patil

(Co Guide/Industry Person)



Signature

Dr.M.S.Narlawar

(HOD, ET Dept.)



Signature of External Examiner

Name:-

D. N. S. Aurbakh

Date of Examination:

AUTOMATIC WASTE SEGREGATOR AND MONITORING SYSTEM

*This project report is submitted to
Yeshwantrao Chavan College of Engineering
(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
In partial fulfilment of the requirement
For the award of the degree
Bachelor of Engineering in Electronics & Telecommunication Engineering*

of

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

by

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

Under the guidance of

Prof. D. K. Thote



Department of Electronics & Telecommunication Engineering

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441 110

2022-23

CERTIFICATE OF APPROVAL

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



Signature

Prof. D. K. Thote

(Guide)



Signature

Dr. Gajendra Mahalle

(Co Guide)



Signature

Dr. M. S. Narlawar

(HoD, ET Dept.)



Signature of External Examiner

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

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

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

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfillment of the requirement

For the award of the degree

Of

Bachelor of Engineering in Electronics and Telecommunication Engineering

By

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

Under the guidance of

Prof. Yogesh Kale (Guide)

Prof. Devendra Shahare (Co-guide)



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Nagar Yuwak Shikshan Saustha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

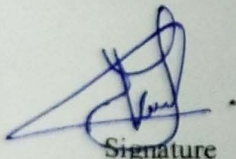
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NAGPUR – 441 110

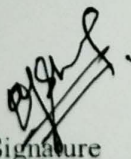
2022-23

CERTIFICATE OF APPROVAL

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



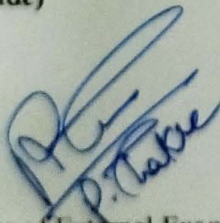
Signature
Prof. Y. S. Kale
(Guide)



Signature
Prof. Devendra Shahare
(Co-guide)



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



Signature of External Examiner:

Name: **Prasheel Thakre**

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

"FOOTPRINT COUNT USING FACE RECOGNITION"

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

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

Bachelor of Engineering in Electronics & Telecommunication Engineering

by

Saloni Giratkar

Samruddhi Uplapwar

Yashaswi Rewatkar

Nikita Parate



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441 110

2022-2023

CERTIFICATE OF APPROVAL

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


Signature


Dr. Yogita Chitriv (Dubey)
(Guide)


Signature

Ms. Neelam Mulmuley
(Co-guide)


Signature

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

Signature of External Examiner: 

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

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

Android App for Heart Disease Prediction Using Machine Learning Algorithms

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

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

Of

Bachelor of Engineering in Electronics & Telecommunication Engineering

by

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

Under the guidance of

Dr. Yogita Chitriv (Dubey)



DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441 110

2022-2023

CERTIFICATE OF APPROVAL

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



Signature

Dr. Yogita Chitriv (Dubey)

Guide



Signature

Dr. Nandkishor Bankar

Co-Guide



Signature

Dr. M. S. Narlawar

HOD



Signature of External Examiner:

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

Date of Examination:

Detection of Vata dosha using Blood sample

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfillment of the requirement

For the award of the degree

Of

Bachelor of Engineering in Electronics & Telecommunication Engineering

By

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

Under the guidance of

Prof. A. A. Madankar



Department of Electronics & Telecommunication Engineering

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

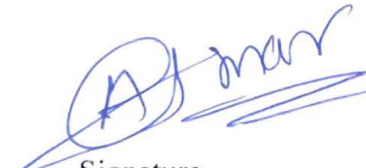
(An autonomous institution affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur)

NAGPUR – 441110

2022-2023

CERTIFICATE OF APPROVAL

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



Signature

Prof. A. A. Madankar

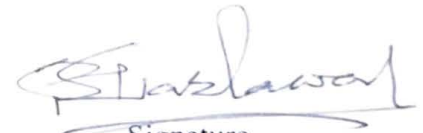
(Guide)



Signature

Dr. Arun Wankhede

(Co Guide)



Signature

Dr. M. S. Narlawar

(HoD, ET Dept.)



Signature of External Examiner:

Name:

Date of Examination:

ELECTRONIC MIDI PAD

*This project report is submitted to
Yeshwantrao Chavan College of Engineering
(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur
University)
In partial fulfillment of the requirement for the award of the degree*

of

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

by

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

Under the guidance of

Prof. Abhishek Madankar



DEPARTMENT OF Electronics & Telecommunication Engineering

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

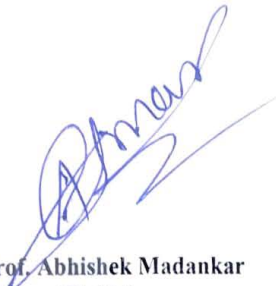
(An autonomous institution affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur)

NAGPUR – 441 110


2022-2023

CERTIFICATE OF APPROVAL

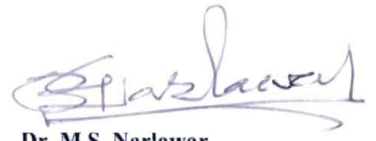
This is to Certify that the project report entitled “**Electronic Midi Pad**” has been successfully completed by **Shreyas Kothiwan, Rohidas Rahangdale, Mansi Madavi, Ishani Zoting** under the guidance of **Prof. Abhishek. Madankar** in recognition to the partial fulfilment for the award of the degree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



Prof. Abhishek Madankar
(Guide)



Mr. Rahul Koradkar
(Co-Guide)



Dr. M.S. Narlawar
(HOD)



Signature of External Examiner

Name:

Date of Examination:

LIGHT WEIGHT CONCRETE USING EPS BEADS

This project report is submitted to

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

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

of

Bachelor of Technology in Civil Engineering

By

| | |
|-------------------------|-----------------------------|
| Sneha Sonwane | Swaraj Naware |
| Rohit Singanjude | Rushikesh Bhujbatkar |
| Sejal Nagapure | Srushti Balki |

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



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

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

NAGPUR – 441 110

2022-2023

CERTIFICATE OF APPROVAL

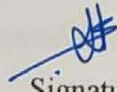
Certified that the project report entitled "**LIGHT WEIGHT CONCRETE USING EPS BEADS**" has been successfully completed by **Sneha Sonwane, Rohit Singanjude, Sejal Nagapure, Swaraj Naware, Rushikesh Bhujbatkar, Srushti Balki** under the guidance of Prof. B.P.Nandurkar in recognition to the partial fulfillment for the award of the degree of Bachelor of Technology in Civil Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



Signature

Dr. B.P. Nandurkar

(Guide)



Signature

Prof. Snehal Kamble

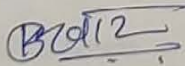
(Coordinator)



Signature

Dr. S.P. Raut

(HoD)



Signature of External Examiner

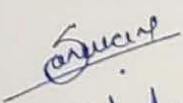
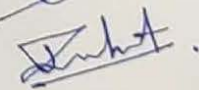
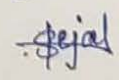

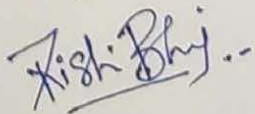
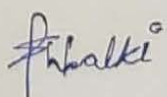
Name **PROF. KAMLESH V. MADURWAR**

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

DECLARATION

I/ We certify that,

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

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

DESIGN AND DEVELOPMENT OF SOLID WASTE RECYCLING MODEL

This project report is submitted to

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

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

Of

Bachelor of Engineering in Civil Engineering

By

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

Under the guidance of

Prof. Dr. Ms. M.S. Bhagat



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Santa's

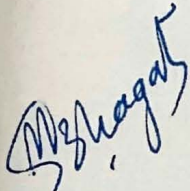
YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,
*(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur
University, Nagpur)*

NAGPUR – 441 110

2022-23

CERTIFICATE OF APPROVAL

Certified that the project report entitled "DESIGN AND DEVELOPMENT OF WASTE RECYCLING MODEL" has been successfully completed by Swapnil Bhujade, Nikhil Bidwaik, Kalpak Dongare, Krishna Harinkhede, Komal Talmale, Shital Gotefode under the guidance of Prof. Dr. Ms. M. S. Bhagat in recognition to the partial fulfillment for the award of the degree of Master of Technology in Mechanical Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



Signature

Name of Guide

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

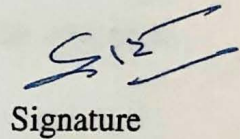
—
Signature

Name of Co-Guide (Co-Guide)



Name of Co-ordinator

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



Signature


Name of Head of Dept

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

Signature of External Examiner

Name

Date of Examination



P. Bisen

P. Bisen

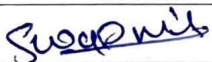
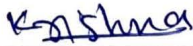
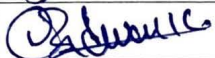
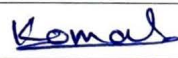
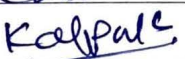

2/6/23

DECLARATION

I / we certify that

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

Signature of the Student/ s

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

DESIGN AND DEVELOPMENT OF WATER CONSERVATION MODEL

This project report is submitted to

Yeshwantrao Chavan College of Engineering, Nagpur

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

In partial fulfilment of the requirement

for the award of the degree

of

Bachelor of Engineering in Civil Engineering

By

1) Ritika Thakur

3) Soundarya Meshram

5) Shubham Tonge

2) Samruddhi Moundekar

4) Nishant Joseph

6) Tanmay Kawthekar

Under the guidance of

DR. M. S. BHAGAT

(ASSISTANT PROFESSOR)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

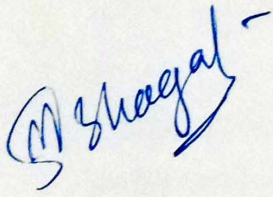
*(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur
University)*

NAGPUR – 441110

2022-2023

CERTIFICATE OF APPROVAL

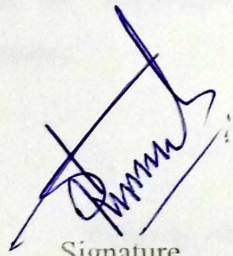
Certified that the project report entitled "**DESIGN AND DEVELOPMENT OF WATER CONSERVATION MODEL**" has been successfully completed by RITIKA THAKUR, SAMRUDDHI MOUNDEKAR, SOUNDARYA MESHAM, NISHANT JOSEPH, SHUBHAM TONGE, TANMAY KAWTHEKAR under the guidance of ASST. PROF. Dr. MADHURI S. BHAGAT in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Civil Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**.



Signature

Prof. Dr. M. S. Bhagat

(Guide)



Signature

Prof. Dr. R. G. Surose

Dept. of Chemistry

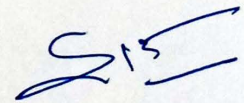
(Co-Guide)



Signature

Prof. Snehal Kamble

(Co-ordinator)

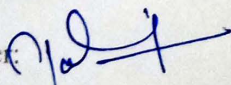


Signature

Dr. S. P. Raut

(HOD)

Signature of External Examiner:

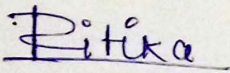
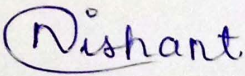
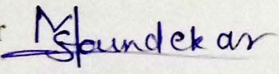
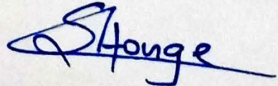
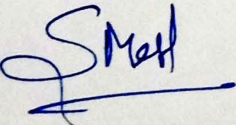
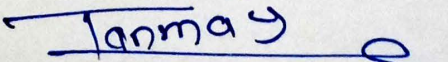
Name: 
Dr. Pallavi Bisen

Date of Examination:

DECLARATION

I / We certify that,

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

| Name of the student | Signature of the Student | Name of the student | Signature of the Student |
|-----------------------|---|---------------------|---|
| 1 Ritika Thakur |  | 4 Nishant Joseph |  |
| 2 Samruddhi Moundekar |  | 5 Shubham Tonge |  |
| 3 Soundarya Meshram |  | 6 Tanmay Kawthekar |  |

DEVELOPMENT OF CONCRETE PANELS USING TEXTILE EFFLUENT SLUDGE

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

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

Of
Bachelor of Engineering in Civil Engineering

By
Ashutosh Mishra

Nikhil Kate

Vikas Madke

Swapnil Dabre

Darshana Ingle

Under the guidance of

Dr. S.P. Raut
Prof. Udaysingh Patil



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

NAGPUR - 441 110

2022-23

i

CERTIFICATE OF APPROVAL

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



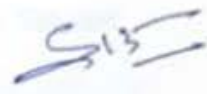
Dr. S. P. Raut
(Guide)



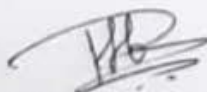
Prof. Udaysingh Patil
(Co-Guide)



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



Dr. S. P. Raut
(HoD)



Signature of External Examiner :

Name

: Prof. P. S. Bhandari

Date of Submission

:

||

DEVELOPMENT OF SUSTAINABLE BRICKS USING TEXTILE EFFLUENT SLUDGE

This project report is submitted to
Yeshwantrao Chavan College of Engineering

(An Autonomous Institution Affiliated to Rashtrasant 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 Kanchan Shahade
Shardul Sandeep Naidu
Siddhesh Jitendra Kulkarni**

Under the guidance of

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



DEPARTMENT OF CIVIL ENGINEERING

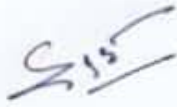
Nagar Yuwak Shikshan Sanstha

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

2022-23

CERTIFICATE OF APPROVAL

Certified that the project report entitled "DEVELOPMENT OF SUSTAINABLE BRICKS USING TEXTILE EFFLUENT SLUDGE" has been successfully completed by **ATHRAVA K. SHAHADE, SHARDUL S. NAIDU, SIDDHESH J. KULKARNI** under the guidance of **Dr. Sanjay P. Raut** in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Civil Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



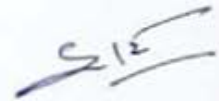
Dr. S.P. Raut
(Guide)



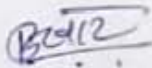
Prof. Uday Singh Patil
(Co-Guide)



Prof. S. K. Kamble
(Coordinator)



Dr. S.P. Raut
(HoD)



Signature of External Examiner

Name: PROF. KAMLESH V. MADURWAR

Date of Examination: 05/06/2023

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

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

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

OF

Bachelor of Engineering in CIVIL Engineering

By

AYUSH KANEKAR
SWARNIM GHADSE

SAMIN DAHIKAR

SANKET KHADSE
SUDHANSHU WASADE

Under The Guidance Of

Prof. V.N MENDHE



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

**YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,
NAGPUR441110**

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

2022-2023

CERTIFICATE OF APPROVAL

Certified that the project report entitled "TO STUDY THE FLEXURAL STRENGTH AND COMPRESSIVE STRENGTH OF BAMBOO FIBER, STEEL FIBER, LIMESTONE AND HYBRID COMPOSITES" has been successfully completed by AYUSH KANEKAR, SAMIN DAHIKAR, SANKET KHADSE, SWARNIM GHADSE, SUDHANSHU WASADE under the guidance of Prof. V.N MENDHE in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in CIVIL Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



Signature

Prof. V.N MENDHE

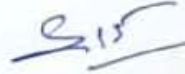
(Guide)



Signature

Mrs. SNEHAL KAMBLE

(Coordinator)

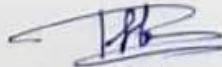


Signature

Dr. S.P RAUT

(HoD)

Signature of Examiner :



Examiner Name : Prof. P.S Binandaw

Date of Examination : 05/06/2023

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

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

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

Of

Bachelor of Engineering in Civil Engineering

By

| | |
|--------------------|----------------|
| Sanskruti Lohakare | Ankit Aghav |
| Sejal Wagh | Gaurav Surkar |
| Vrushali Somkuwar | Hardik Shendre |

Under the guidance of

Prof. Charuta Waghmare



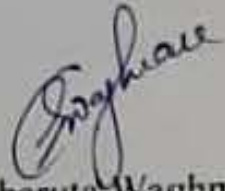
DEPARTMENT OF CIVIL ENGINEERING
Nagar Yuwak Shikshan Santha's
YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,
(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

NAGPUR – 441 110

2022-23

CERTIFICATE OF APPROVAL

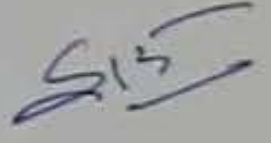
Certified that the project report entitled "**Performance Evaluation of Pomegranate Peel Bio Adsorbent for the Removal of Methylene Blue Dye from Aqueous Solution**" has been successfully completed by Sanskruti Lohakare, Sejal Wagh, Vrushali Somkuwar, Ankit Aghav, Gaurav Surkar, Hardik Shendre under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



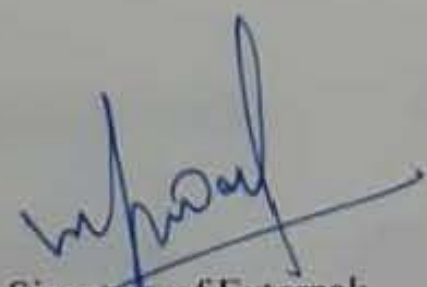
Prof. Charuta Waghmare
(Project Guide)



Prof. Snehal Kamble
(Co-Ordinator)



Dr. S. P. Raut
(HoD)



Signature of External:

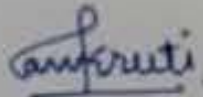

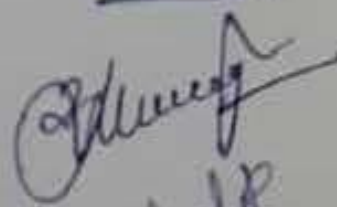
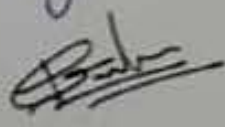

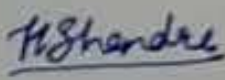
Examiner Name:

Date of Submission:

DECLARATION

We certify that

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

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

EXPERIMENTAL STUDY ON COMPOSTING OF TEA WASTE AND ITS OPTIMIZATION BY TAGUCHI METHOD AND RESPONSE SURFACE METHODOLOGY

This project report is submitted to

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

In partial fulfillment of requirement

For the award of the degree

Of

Bachelor of Engineering in Civil Engineering

By

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

Under the guidance of

Mr. KHALID S. ANSARI (Guide)

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



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuvak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING

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

2022-23

CERTIFICATE OF APPROVAL

Certified that the project report entitled “**EXPERIMENTAL STUDY ON COMPOSTING OF TEA WASTE AND IT’S OPTIMIZATION BY TAGUCHI METHOD AND RESPONSE SURFACE METHODOLOGY**” has been successfully completed by Sohel Z. Khan, Sanket B. Sondawale, Chahul V. Danao, Mrunal P. Bobade, Ashwini A. Kakde, Rutuja A. Jivtode under the guidance of **Mr. Khalid S. Ansari and Dr. Prajakta.U.Waghe** in the recognition to the partial fulfillment for the award of the degree of Bachelor Of Engineering in Civil Engineering, **Yeshwantrao Chavan College Of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**.



Signature

Mr. Khalid S. Ansari
(Guide)



Signature

Dr. Prajakta U. Waghe
(Co-Guide)



Signature

Prof. Snehal K. Kamble
(Coordinator)



Signature

Dr. S. P. Raut
(HOD)



Signature of External Examiner:







Name: Vikas Agarwal

Date of Examination: 05/06/2023

DECLARATION

We clarify that,

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

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

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

This project is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfillment of the requirement

For the award of the degree

of

Bachelor of Engineering in Civil Engineering

By

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

Under the guidance of

Dr. J. M. Raut

(Assistant Professor)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR - 441110

2022-2023

CERTIFICATE OF APPROVAL

Certified that the project report entitled "EFFECT OF VARIATIONS IN RAINFALL INTENSITY ON STABILITY OF SLOPE IN INDIA" has been successfully completed by SEJAL DHANVIJ, ARNAV KUMAR, ARYAN KUMAR, KALASH DHARMIK, SAURABH CHANNE, AMAN MAHANT under the guidance of DR. J.M RAUT in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Civil Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University).



Signature

Dr. J.M. Raut
(Guide)



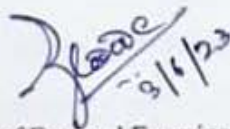
Signature

Prof. Snehal kamble
(Co-Ordinator)



Signature

Dr. S.P. Raut
(HOD)



Signature

Signature of External Examiner:

Name: DR. AMIT PADADE

Date of Examination: 03/06/2023

INVESTIGATION OF DURABILITY OF RUBBERIZED CONCRETE

This project report is submitted to

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

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

Bachelor of Engineering in Civil Engineering

By

| | |
|--------------------------|-----------------------|
| Abhishek Rathod | Kapil Zode |
| Aniket Khobragade | Sagar Thakre |
| Harshal Uparwat | Prashik Vaidya |

Under the guidance of

Prof. Dhiraj Agrawal



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

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

NAGPUR - 441 1110

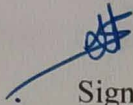
2022-23

CERTIFICATE OF APPROVAL

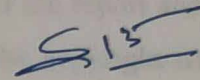
Certified that the project report entitled "INVESTIGATION OF DURABILITY FOR RUBBERIZED CONCRETE" has been successfully completed by ABHISHEK RATHOD, ANIKET KHOBRADE, HARSHAL UPARWAT, KAPIL ZODE, SAGAR THAKRE, PRASHIK VAIDYA under the guidance of PROF. DHIRAJ AGRAWAL in recognition to the partial fulfillment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



Sign



Sign

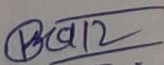


Sign

Prof. Dhiraj Agrawal
(Guide)

Prof. Snehal Kamble
(co-ordinator)

Dr. S. P. Raut
(HoD)



Signature of External Examiner:

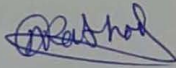
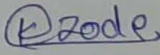
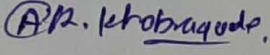
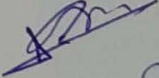
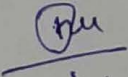
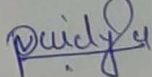
Name: PROF. KAMLESH V. MADURWAR

Date of Examination: 05/06/2023

DECLARATION

We certify that

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

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

Date: - 08/05/2023

Place: - YCCE, Nagpur.

Experimental Investigation on Use of Electronic Waste in High Strength Concrete

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

In partial fulfillment of the requirement

For the award of the degree

Bachelor of Engineering in Civil Engineering

By

AVANTI PATRE

GAJAL VIRULKAR

SAMIKSHA DAHULE

ROSHAN KOLHE

SAMYAK CHANDANKHEDE

Under the guidance of

Prof. P. K. Hinge



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

NAGPUR – 441 110
2022-23

CERTIFICATE OF APPROVAL

Certified that the project report entitled **Experimental Investigation on Use of Electronic Waste in High Strength Concrete** has been successfully completed by **AVANTI PATRE, GAJAL VIRULKAR, SAMIKSHA DAHULE, ROSHAN KOLHE** and **SAMYAK CHANDANKHEDE** under the guidance of **P.K. HINGE** sir in recognition to the partial fulfilment for the award of the degree of Bachelor of Technology in Civil Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



Signature:

Prof. P.K. Hinge

Project (Guide)



Signature:

Prof. Snehal Kamble

Project(Coordinator)



Signature:

Dr. Sanjay Raut

(HOD) Civil Dept



Signature:

Name of external examiner:

PROF. K.V. MADURWAR

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

DECLARATION

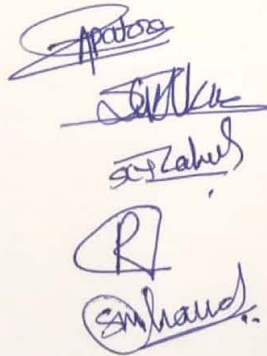
We certify that,

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

Name of the student

Signature of the Student

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



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

DEVELOPMENT OF SMALL SCALE MODEL HOUSE USING CUPOLA SLAG

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfillment of the requirement

For the award of the degree

Of

Bachelor of Engineering in Civil Engineering

By

Soham Banshpal
Rudraksh Khandare
Yogesh Kasare

Prasad Bhogekar
Samyak Pusate
Viplav Ghurde

Under the guidance of

Prof. Sangita S. Meshram



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

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

2022-23

CERTIFICATE OF APPROVAL

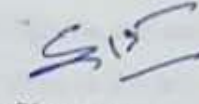
Certified that the project report entitled "DEVELOPMENT OF SMALL SCALE MODEL HOUSE USING CUPOLA SLAG" has been successfully completed by Soham Banshpal, Prasad Bhogekar, Rudraksh Khandare, Samyak Pusate, Yogesh Kasare, Viplav Ghurde under the guidance of Prof. Sangita S Meshram in recognition to the partial fulfillment for the award of the degree of bachelor of Technology in Civil Engineering, Yeshwantrao Chavan College of Engineering(An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)


Signature

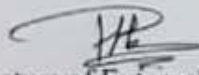
Prof.S.S.Meshram
(Guide)


Signature

Ms.Snehal K Kamble
(Coordinator)


Signature

Dr. Sanjay P Raut
(HoD)


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

CASTING AND ANALYSIS OF HOLLOW FLY ASH BRICK

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfillment of the requirement

For the award of the degree

Of

Bachelor of Engineering in Civil Engineering

By

Anchal Donode

Omkar Potdar

Chinmay Chintawar

Parag Bhawe

Jay Bhore

Deepali Dhage

Under the guidance of

Dr. P. B. Pande



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441 110

2022-23

CERTIFICATE OF APPROVAL

Certified that the project report entitled "CASTING AND ANALYSIS OF HOLLOW FLY ASH BRICK" has been successfully completed by Anchal Donode, Chinmay Chintawar, Jay Bhore, Omkar Potdar, Parag Bhawe, Deepali Dhage under the guidance of Dr.P.B. Pande in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Civil Engineering, Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



Signature

Dr. P.B. Pande
(Guide)



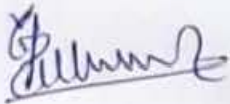
Signature

Prof. Snehal Kamble
(Coordinator)



Signature

Dr. S.P. Raut
(HoD)



Signature of External Examiner:

Name: M.D. Pidarkar

Date of Examination: 02/06/2023

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

This project report is submitted to

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

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

of
Bachelor of Engineering in Civil Engineering
By

SHAHABAZ KHAN
ACHAL SHIRKE
SHAROOF KHAN

KASIFA PATEL
VAISHNAVI TONGE
AMER SHAIKH

Under the guidance of

Dr. P.B.PANDE



DEPARTMENT OF CIVIL ENGINEERING
Nagar Yuwak Shikshan Sanstha's

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

NAGPUR - 441 110
2022-2023

CERTIFICATE OF APPROVAL

Certified that the project report entitled "CASTING AND ANALYSIS OF LIGHT WEIGHT BRICKS BY USING FOAM AGENT AND ADHESIVE CEMENT" has been successfully completed by Shahabaz Khan, Kasifa Patel, Achal Shirke, Vaishnavi Tonge, Sharoof Khan, Amer Shaikh, under the guidance of DR. P. B. PANDE in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Civil Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**



Dr.P.B. Pande
(Guide)



Prof. Snehal Kamble
(Co-ordinator)



Dr. S.P. Raut
(HOD)



Signature of External Examiner

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

Date of Examination: *02. June 2023*

AN EXPERIMENTAL INVESTIGATION ON ARTIFICIAL AGGREGATE CONCRETE.

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

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

**Bachelor of Engineering in Civil Engineering
By**

ABHINAV THAKARE

ABHISHEK SHELKE

AISHWARYA BOBDE

CHAITANYA KAKDE

NIKITA CHAWARE

SHRAVANI DANAV

Under the guidance of

Prof. ATUL S. KURZEKAR



DEPARTMENT OF CIVIL ENGINEERING


**Nagar Yuwak Shikshan Sanstha's
YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,
(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur
University, Nagpur)
NAGPUR - 441 110
2022-2023**


CERTIFICATE OF APPROVAL

Certified that the project report entitled "AN EXPERIMENTAL INVESTIGATION ON ARTIFICIAL AGGREGATE CONCRETE" has been successfully completed by **Abhinav Thakare, Abhishek Shelke, Aishwarya Bobde, Chaitanya Kakde, Nikita Chaware, Shravani Danav** under the guidance of Mr. Atul S. Kurzekar in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Civil Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)**.


Signature
Prof. Atul S. Kurzekar
(Guide)


Signature
Prof. Snehal Kamble
(Co-ordinator)


Signature
Dr. S. P. Raut
(HOD)


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

CERTIFICATE OF APPROVAL

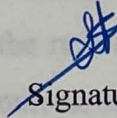
Certified that the project report entitled – “Comparative study of Rotating Biological Contactor for treatment of waste water using different media” has been successfully completed by Purva Naktode, Nadshri Ladke, Khushi Pawar, Nishant Badlu , Prajwal Jikate , Abhimanyu Bhanot , under the guidance of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



Signature

Prof. Pallavi.S.Chakole

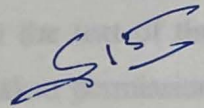
(Guide)



Signature

Prof. Snehal Kamble

(Coordinator)

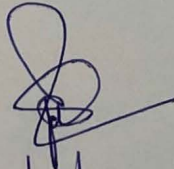


Signature

Dr. Sanjay.P.Raut

(HOD)

Signature of External Examiner



Name : Mohit Singh Katoch

Date of Examination : 5/06/23

DECLARATION

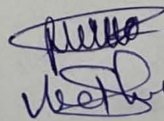
We certify that

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

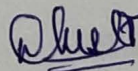
Name of Students

Signature

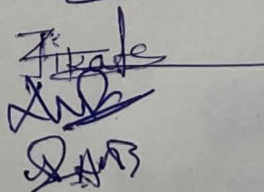
Ms.Purva Naktode



Ms.Nadshri Ladke



Ms.Khushi Pawar



Mr.Prajwal Jikate

Mr.Nishant Badlu

Mr.Abhimanyu Bhanot

TREATMENT OF INDUSTRIAL DAIRY WASTE WATER USING ROTATING BIOLOGICAL CONTACTOR

This project report is submitted to

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

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

Of

Bachelor of Engineering in Civil
Engineering

By

Hitul Vaidya
Bhushan Dhole
Rushikesh Ghime

Pranay Tonge
Shival Dakhale
Shreyas Joshi

Under the guidance of

Prof. Ms. Pallavi S. Chakole



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING

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

NAGPUR-441110

2022-2023

CERTIFICATE OF APPROVAL

Certified that the project report entitled "**TREATMENT OF INDUSTRIAL DAIRY WASTE WATER USING ROTATORY BIOLOGICAL CONTACTOR UNIT**" has been successfully completed By HITUL VAIDYA , PRANAY TONGE , SHIVAL DHAKLE , BHUSHAN DHOLE , RUSHIKESH GHIME , SHREYAS JOSHI under the guidance of Prof.Ms. PALLAVI S. CHAKOLE in recognition to the partial fulfillment for the award of the degree of Bachelor of Technology in Civil Engineering, **Yeshwantrao Chavan College of Engineering** (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University).



Signature

Prof. Pallavi .S. Chakole
(Guide)



Signature

Prof. Snehal Kamble
(Co-ordinator)



Signature

Dr .Sanjay .P. Raut
(HOD)

Signature of External Examiner :



Name: *Mohit Singh Kattoli*

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

COMPARATIVE STUDY OF PROPERTIES OF SEWAGE SLUDGE FROM SEWAGE TREATMENT PLANT

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfilment of the requirement

For the award of the degree

Of

Bachelor of Engineering in Civil Engineering

By

Aman Kadbe

Amol Paunikar

Govind Sharma

Samyak Gayakwad

Saurabh Bonde

Saurabh Chawne

Under the guidance of

Ms. Snehal K. Kamble



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING

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

NAGPUR - 441 110

2022-23

CERTIFICATE OF APPROVAL

Certified that the project report entitled "Comparative study of properties of sewage sludge from sewage treatment plant" has been successfully completed by Aman Kadbe, Amol Paunikar, Govind Sharma, Samyak Gayakwad, Saurabh Bonde, Saurabh Chawne under the guidance of Ms. Snehal K. Kamble in recognition to the partial fulfilment for the award of the degree of Bachelor of Engineering in Civil Engineering, **Yeshwantrao Chavan College of Engineering** (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)



Signature

Ms. Snehal K. Kamble

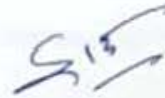
(Guide)



Signature

Ms. Snehal K. Kamble

(Coordinator)



Signature

Dr. Sanjay P. Raut

(HoD)

Signature of External Examiner

Name Prof. Mohitsingh Kotach

Date of Examination:

DEVELOPMENT OF PERVIOUS CONCRETE USING INDUSTRIAL WASTE TO ENHANCE WATER QUALITY

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

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

Of
Bachelor of Engineering in Civil Engineering

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

Under the guidance of

Prof. Sanket G. Kalamkar




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


NAGPUR-441 110

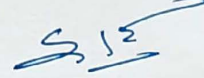
Batch – 2022-23

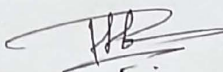
CERTIFICATE OF APPROVAL

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


Prof. Sanket G. Kalamkar
(Guide)


Prof. Snehal Kamble
(Co-ordinator)


Dr. S. P. Raut
(HOD)

Signature of External Examiner : 
Name : Prof. P. S. Bhandarkar
Date of Submission : 03/06/2023

DECLARATION

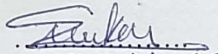
I/ we clarify that,

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

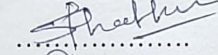
Name of student

Signature of student

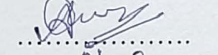
Dhanshree Sawarkar



Siddhey Phatkar



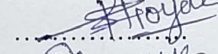
Anjali Gabhane



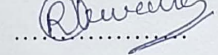
Rohit Sahu



Sejal Bhoyar



Rutuj Khawas



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

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

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

By

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

Under the guidance of

Ms. Monali Wagh

(Assistant Professor)



DEPARTMENT OF CIVIL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441110 (2022-2023)

CERTIFICATE OF APPROVAL

Certified that the project report entitled " **Study Of Self-compacting Concrete With Bagasse Ash, Metakaolin and Glass Fibre** " has been successfully completed by **Abhishek Chavan , Kartik Tarodekar , Mahesh Bhinge , Shreyas Goswami , Paras Ramteke & Vrushabh Mohod** under the guidance of Ms. Monali Wagh Mam in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Civil Engineering, **Yeshwantrao Chavan College of Engineering (An Autonomous Institution Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University).**



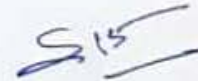
Professor Monali Wagh

(Guide)



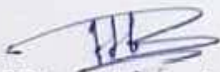
Prof. Snehal Kamble

(Co-ordinator)



Dr. S.P.Raut

(HOD)



Signature of External Examiner:

Name: Prof. P. S. Bhandari

Date of Examination - 5-06-2023

Streetlight Conservation Model and Line Following Car

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

In partial fulfillment of the requirement

for the award of the degree

of

Bachelor of Engineering in Electronics Engineering

By

Atharva Kulkarni

Amisha Kale

Madhav Tejpal

Sakshi Nagdive

Under the guidance of

Dr. Prasanna Palsodkar



DEPARTMENT OF ELECTRONICS ENGINEERING

Nagar Yuwak Shikshan Sanstha's

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

NAGPUR – 441 110

2022-2023

CERTIFICATE OF APPROVAL

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



Dr. Prasanna Palsodkar

(Guide)



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

(Project Co-coordinators)



Dr. R. D. Thakare

(HOD, EE Dept.)



Signature of External Examiner:

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

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

FIRE EXTINGUISHER DRONE

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

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

Bachelor of Engineering in Electronics Engineering

By

Bhushan Sable

Shreyas Tarudkar

Ankit Nagdeote

Tarkeshwar Satdeve

Harshada Thakare

Under the guidance of

Dr. Tejaswini G. Panse



DEPARTMENT OF ELECTRONICS ENGINEERING

Nagar Yuvak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441110

2022-2023

CERTIFICATE OF APPROVAL

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



Signature

Dr. Tejaswini G. Panse
(Guide)

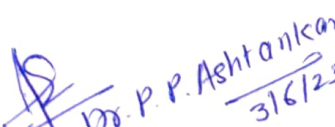


Signature

Dr. Prachi P. Palsodkar
(Coordinator)



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



Signature of External Examiner:

Name:

Date of Examination:

Data Transmission using LiFi

CERTIFICATE OF APPROVAL

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

Bachelor of Engineering in Electronics Engineering

by

Gauri Dambhare

Riya Singh

Tushar Waghmare

Ajay Khot

Under the guidance of

Dr. Yashika Gaidhani



DEPARTMENT OF ELECTRONICS ENGINEERING

Nagar YuwakShikshan Sanstha's

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

NAGPUR – 441 110

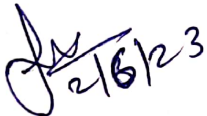
2022-23

CERTIFICATE OF APPROVAL

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



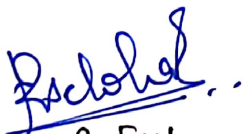
Dr.Yashika Gaidhani
(ProjectGuide)



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



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



Signature of External Examiner

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

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

ZigBee Based Controlling and Monitoring System

This project report is submitted to

Yeshwantrao Chavan College of Engineering, Nagpur

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

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

Bachelor of Engineering in Electronics Engineering

By

Shruti Joshi

Shrutika Paunikar

Mayank Raut

Dhiraj Dave

Under the guidance of

Prof. K.G. Pande



DEPARTMENT OF ELECTRONICS ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING

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

NAGPUR – 441 110


2022-2023

CERTIFICATE OF APPROVAL

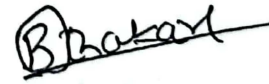
Certified that the project report entitled “**Zigbee Based Controlling and Monitoring System**” has been successfully completed by **Shruti Joshi, Shrutika Paunikar, Mayank Raut and Dhiraj Dave** under the guidance of **Prof. K.G. Pande** in recognition to the partial fulfilment for the award of the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



Prof. K. G. Pande
(Project Guide)



Dr. P. P. Palsodkar
(Project Coordinator)



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



Signature of External Examiner

Name: (R Pethe)

Date of Examination:

WI-FI CONTROLLED SURVEILLANCE ROBOT

This project report is submitted to

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution Affiliated to Rashtrasant

Tukdoji Maharaj Nagpur University)

In partial fulfillment of the requirement

for the award of the degree

of

Bachelor of Engineering in Electronics Engineering

By

Yash Parate

Runal Yerpude

Mohit Chandekar

Aman Nankani

Ankita Dongre

Under the guidance of

Dr. Ankita Tijare



DEPARTMENT OF ELECTRONICS ENGINEERING

Nagar Yuvak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur

University, Nagpur)

NAGPUR – 441 110

2022-2023

Page 140 of 167

CERTIFICATE OF APPROVAL

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



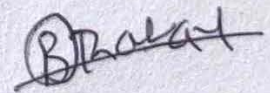
Signature

Dr. A. D. Tijare
(Guide)



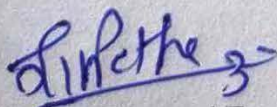
Signature

Dr. Prachi P. Palsodkar
(Coordinator)



Signature

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



Signature of External Examiner:

Name:

Date of Examination:

IOT Based Monitoring of Fruit Freshness Using Arduino Nano

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

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

of

Bachelor of Engineering in Electronics Engineering

By

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

*Under the guidance of
Guide*

Prof Dr. R.D. Thakare

(HoD Electronics Department YCCE)

Co-Guide

Prof Dr. A. R. Maske

(HoD Govt. Agriculture College, Nagpur)



DEPARTMENT OF ELECTRONICS ENGINEERING

Nagar Yuwak Shikshan Sanstha's

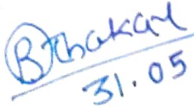
YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,
(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

NAGPUR – 441 110

2022-23

CERTIFICATE OF APPROVAL

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


31.05.2023

Prof Dr. R.D. Thakare

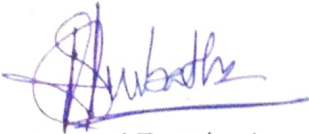
(Guide)

(Head of Department,
Electronics Department)


2/6/23

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

(Project Coordinators)



(External Examiner)

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

Date: **02/06/23**



Dr. A. R. Maske

(Co-Guide)

Head

Agril Engineering Section
College of Agriculture, Nagpur



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

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

DEPARTMENT OF MECHANICAL ENGINEERING (Project: 2022-23)

NOTE

DATE:12-07-2024

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

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

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

FOR NA
GOURNA
02-08
AL

(Dr. J. P. Giri)
HOD ME

(V. M. KORDE)
Co-Ordinator

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

This major project report is submitted to

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution Affiliated to Rashtrasant Tukdoji

Maharaj Nagpur University)

In partial fulfillment of the requirement for the award of degree

Of

Bachelor of Technology in Mechanical Engineering

By

Vaibhav Tandulkar

Priyadarshan Munjewar

Shraddha Mishra

Under the guidance of

Prof. VIVEK KORDE



DEPARTMENT OF MECHANICAL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441 110

2023-24

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

Submitted by

Vaibhav Tandulkar

Priyadarshan Munjewar

Shraddha Mishra

Under the guidance of

Prof. VIVEK KORDE



DEPARTMENT OF MECHANICAL ENGINEERING

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

2023-24

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

2023-24



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE OF APPROVAL

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

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

under the guidance of

Prof. VIVEK KORDE

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

Bachelor of Technology in Mechanical Engineering,

Yeshwantrao Chavan College of Engineering

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

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

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

ER. DEVESH KHADGI
(Industrial Co-Guide)

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

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

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

Submitted By

Akshay Patne

Ashish Jivtode

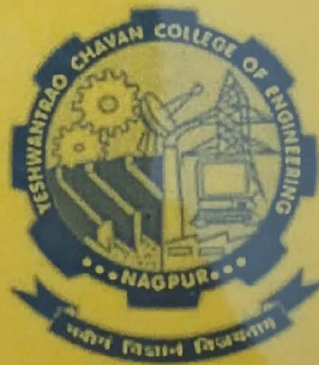
Himanshu Gundawar

Swayamdeep Bhange

Under the guidance of

Prof. Rakesh Adakane

Er. Rushabh Bokde



DEPARTMENT OF MECHANICAL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING

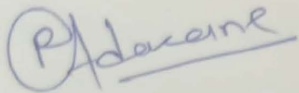
**(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur
University, Nagpur)**

NAGPUR – 441110

2023-24

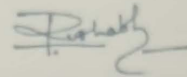
CERTIFICATE OF APPROVAL

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



Prof. Rakesh Adakane

(Guide)



Er. Rushabh Bokde

GET – Design Engineer

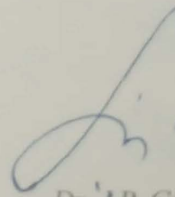
Carraro Technology

(Co-guide)



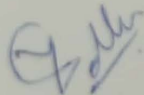
Prof. V.M. Korde

(Project Co-ordinator)



Dr. J.P. Giri

(HOD, ME Department)



Signature of External Examiner

Name:

Date:

DECLARATION

I / we certify that

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

Name of Student

Signature of Student

1. Akshay Patne

Patne

2. Ashish Jivtode

Ajivtode

3. Himanshu Gundawar

Gundawar

4. Swayamdeep Bhange

S Bhange

DESIGN AND FABRICATION OF AUTOMATED COMMODE CLEANING MACHINE

Submitted by

Abhishek Dharme

Ankit Kumar

Suvarsh Rajankar

Utkarsh Patil

Under the guidance of

Prof. Rakesh Adakane

And

Er. Rushabh Bokde



DEPARTMENT OF MECHANICAL ENGINEERING

Nagar Yuwak Shikshan Sanstha's

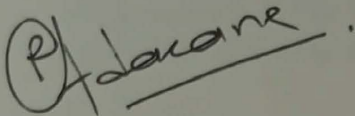
YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,
(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

NAGPUR – 441 110

2023-24

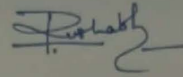
CERTIFICATE OF APPROVAL

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



PROF. RAKESH ADAKANE

(Project Guide)



Er. RUSHABH BOKDE

GET – Design Engineer

Carraro Technologies

(Project Co-guide)



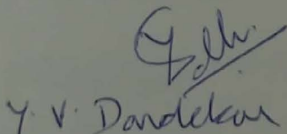
PROF. V. M. KORDE

(Coordinator)



Dr. J. P. GIRI

(HOD, ME Dept.)



Name & Signature of External Examiner :

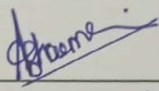
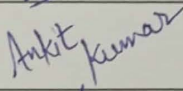
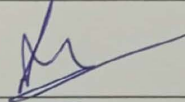

Date : 22/05/24

DECLARATION

We certify that

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

Signature of the Students

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

Classification of Lung Diseases from CXR Images Using Transfer Learning

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

In partial fulfillment of the requirement

For the award of the degree

Of

Bachelor of Technology in Computer Technology

By

Badal Wanjari

Enrolment No: 20011045

Sanjana Verma

Enrolment No: 20010795

Arya Deshmukh

Enrolment No: 20010704

Somesh Mallewar

Enrolment No: 20011071

Under the guidance of

DR. RAKHI D. WAJGI



DEPARTMENT OF COMPUTER TECHNOLOGY

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

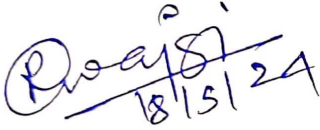
(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

NAGPUR – 441 110

2023-2024

CERTIFICATE OF APPROVAL

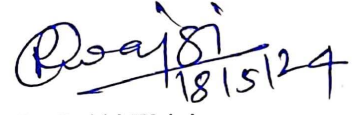
It is certified that the project report entitled “Classification of Lung Diseases from CXR Images Using Transfer Learning” has been successfully completed by **Badal Wanjari, Sanjana Verma, Arya Deshmukh and Somesh Mallewar** under the guidance of **Dr Rakhi D. Wajgi** in recognition to the partial fulfillment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



Dr. Rakhi Wajgi
(Guide)



Prof. Smita Kapse
(Coordinator)



Dr. Rakhi Wajgi
(HoD)



Signature of External Examiner

Name: **V.V. Deshpande**

Date of Examination:

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

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

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

Of

Bachelor of Technology in Computer Technology

By

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

Under the guidance of

Prof. Smita R Kapse



DEPARTMENT OF COMPUTER TECHNOLOGY

Nagar Yuwak Shikshan Sanstha's

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

2023-2024

CERTIFICATE OF APPROVAL

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



Signature
18/05/2024

Prof. S. R. Kapse
(Guide)




Signature

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



Signature
18/5/24

Dr. R. D. Wajgi
(HoD)



Signature of External

Examiner:

Name: **V. V. Deshpande**

Date of Examination: **18/5/24**

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

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

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

Of

Bachelor of Technology in

Computer Technology

By

Kshitij Mehatkar

Aryan Baraskar

Tanmay Zerbade

Atharva Kawale

Under the guidance of

Prof. Roshan S. Bhanuse



DEPARTMENT OF Computer Technology

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441 110

2023-24

CERTIFICATE OF APPROVAL

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



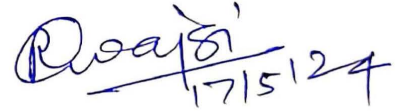
Prof. Roshan S. Bhanuse

Guide



Prof. Smita Kapse

Coordinator



Dr. Rakhi Wajgi

HOD

Signature of External Examiner:

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

Date of Examination:

17/05/2024

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

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

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

Of

Bachelor of Technology in Information Technology

By

Mr. Ayush Wankhede (42)

Mr. Devansh Mahant (47)

Mr. Aryan Waranashiwar (37)

Mr. Parth Kakde (66)

Mr. Saurabh Chopade (158)

Ms. Pranjal Raut (18)

Under the guidance of

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Dr. Anushree Aserkar



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YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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NAGPUR – 441 110

2023-2024

CERTIFICATE OF APPROVAL

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



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Prof. Priyanka Jaiswal

Project co-ordinator

Department of Information Technology
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Dr. R. C. Dharmik

Head Of Department

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YCCE, NAGPUR

Signature of External Examiner
Name:



Date of Examination

SENTIMENT ANALYSIS

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

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

Of

Bachelor of Technology in Information Technology

By

Janhvi Ambade (09)

Pragati Likhari (17)

Anurag Zawar (36)

Himanshu Saurkar (57)

Pawan Dawake (67)

Swapnil Patil (163)

Under the guidance of

Prof. M. K. Hadap



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NAGPUR – 441 110

2023-2024

CERTIFICATE OF APPROVAL

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


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Signature of External Examiner 

Name:

Date of Examination:

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

This project report is submitted to

Yeshwantrao Chavan College of Engineering

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

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

Of

Bachelor of Technology in Information Technology

By

Tanushree Deshmukh (23)

Aasim Shaikh (31)

Budharam Kumbhre (44)

Himanshu Samrit (56)

Musab Shaikh (61)

Vedang Patil (79)

Under the guidance of

Prof. Chandrayani N. Rokde

Ms. Nidhi Patwardhan



DEPARTMENT OF INFORMATION TECHNOLOGY

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YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441 110

2023-2024

CERTIFICATE OF APPROVAL

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

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

Signature of External Examiner
Name:
Date of Examination

DISEASE PREDICTION USING MACHINE LEARNING

This project report is submitted to

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

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

Of

Bachelor of Technology in Information Technology

By

Deepali Lanjewar (05)

Divita Meshram (06)

Amit Rathod (132)

Neha Khadse (14)

Harsh Sawal (50)

Under the guidance of

Dr. K. K. Bhoyar

Prof. Priti Matre



DEPARTMENT OF INFORMATION TECHNOLOGY

Nagar Yuwak Shikshan Sanstha's

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING,

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

NAGPUR – 441 110

2023-2024

CERTIFICATE OF APPROVAL

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



Dr. K. K. Bhoyar

Guide

Professor

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Assistant Professor

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Dr. R. C. Dharmik

Head of Department

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YCCE, NAGPUR

Signature of External Examiner

Name:

Date of Examination:



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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

Hingna Road, Wanadongari, Nagpur-441110

NAAC Accredited with 'A++' Grade

Ph. : 07104- 295083, 295085

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

Declaration by the Head of the Institution

I hereby declare that the data, information and support documents attached herewith are genuine and correct to my knowledge.

Dr. U.P. Waghe

Principal

Principal

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

