



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

Accredited by NAAC With 'A' Grade
Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur
Near Chitranagari, Kolhapur - 416013 (MS)
DTE INSTITUTE CODE : EN-6288
Tel.No.: (0231) 2638893, 2638894, Fax : 2636050
Web : <http://coekolhapur.bharatividyaapeeth.edu> E- mail : coekolhapur@bharatividyaapeeth.edu

FOUNDER CHANCELLOR
Dr. Patangrao Kadam
M.A., LL. B., Ph. D.

PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

NAAC SSR CYCLE- 2



Criterion 3	Research, Innovations and Extension
Key Indicator 3.1	Resource Mobilization for Research
3.1.1 Grants received from Government and non-governmental agencies for research projects/endowments in the institution during the last five years (INR in Lakhs)	

Grants received for Academic Year: 2021-22



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

Accredited by NAAC With 'A' Grade
Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur
Near Chitranagari, Kolhapur - 416013 (MS)
DTE INSTITUTE CODE : EN-6288
Tel.No.: (0231) 2638893, 2638894, Fax : 2636050
Web : <http://coekolhapur.bharatividyaapeeth.edu> E- mail : coekolhapur@bharatividyaapeeth.edu

FOUNDER CHANCELLOR
Dr. Patangrao Kadam
M.A., LL. B., Ph. D.

PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)



Sr. No.	Name of the research project/ endowment	Name of the Principal Investigator/ Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned (INR in Lakhs)	Page Number
1	Project: Experimental Study of High-Performance Concrete with rice husk and artificial sand	Mr. V. V. Mane	Civil Engineering	2021-22	0.10	5
2	Faculty Development Program (FDP): Nanotechnology: Synthesis, Characterization and Applications of Nanomaterials in Engineering & Science	Dr. S. J. Kadam	Mechanical Engineering	2021-22	0.57	7
3	Short Term Training Program (STTP): Core to Advance Python programming	Ms. A. H. Tirmare	Electronics and Telecommunication Engineering	2021-22	0.16	9

4	Short Term Training Program (STTP): Communication and Professional Skills	Mr. P. A. Kharade	Computer Science and Engineering	2021-22	0.16	10
5	AICTE Impact Lecture sessions	Dr. S. S. Pawar	Electronics and Telecommunication Engineering	2021-22	0.12	11
6	Project: Design and Fabrication of Affordable Electrical Vehicle for Handicap	Mr. S. B. Kamble	Mechanical Engineering	2021-22	0.74	14
7	Project: Kinetic Energy Recovery System	Mr. R. B. Lokapure	Mechanical Engineering	2021-22	0.06	18
8	Project: Design and Development of Humidity Controller for Prevention of Microbiological Spoilage in Vegetables	Mr. J. S. Shinde	Mechanical Engineering	2021-22	1.02	22
9	Project: Automatic Luggage Storage System	Dr. S. S. Pawar	Electronics and Telecommunication Engineering	2021-22	0.25	27
10	Project: Red Wings: A Central Repository for Blood Donations	Mrs. P. R. Patil	Computer Science and Engineering	2021-22	0.25	32
11	Project: Chetna an ML Based Application for Children with Development Disabilities	Mrs. S. M. Mulla	Computer Science and Engineering	2021-22	0.18	38
12	Project: Educational Website	Dr. J. K. Pail	Electronics and Telecommunication Engineering	2021-22	0.46	44
13	Project: IOT Based Water Level Monitoring and Management of Dams	Dr. K. R. Desai	Electronics and Telecommunication Engineering	2021-22	0.75	47
14	Project: Experimental Study of Hybrid Steel, Polypropylene Fibre Reinforced Concrete	Mr. M. M. More	Civil Engineering	2021-22	0.13	51
15	Project: Comparative Study on Strength	Mr. P. J. Jadhav	Civil Engineering	2021-22	0.15	54

	Enhancement of Concrete Using Rubber Crumb, Magnetized And Normal Water.					
16	Project: Voice Based Displaying board for public area	Ms. Priyadarshani S. Mali	Electronics and Telecommunication Engineering	2021-22	0.46	57
17	Project: Contribution of Encased U-Shaped and Fully Wrapped Welded Wire Mesh Strips In RCC Rectangular Beam Under Pure Torsion	Mr. V. V. Mane	Civil Engineering	2021-22	0.14	60
18	Project: Experimental Study of High-Performance Concrete With Rice Husk Ash And Artificial Sand	Mr. S. S. Kotwal	Civil Engineering	2021-22	0.15	63
19	Project: Encasement of Inclined U-Shaped and Fully Sided Welded Wiremesh Strips For Rectangular Beam Under Pure Torsion	Mr. V. V. Mane	Civil Engineering	2021-22	0.15	66
20	Project: IOT IV Monitoring and Alert	Dr. K. R. Desai	Electronics and Telecommunication Engineering	2021-22	0.40	69
	Total				6.40	

Ref No: DKTE/Lead college/2021-22/28

Date: 06/01/2022

To,
The Principal,
Bharti Vidyapeeth's College of Engineering,
Near Chitranagari, Morewadi,
Kolhapur - 416013.

SUB: Reimbursement of Project Proposal for Research Sensitization Scheme of Shivaji University, Kolhapur Year -2021-22.

Ref: Proposal submitted "Experimental study of high-performance concrete with rice husk and artificial sand."


Dear Sir,

Your B.Tech. Project proposal submitted for grant under Research Sensitization Scheme of Shivaji University, Kolhapur has been sanctioned.

With reference to the above captioned subject, please find enclosed herewith the cheque of amount of Rs. 10,000/- against the proposals submitted under Research Sensitization Scheme 2021-22. Requesting you to submit the expenditure statement, original bills and project hard copy with utilization certificate before 15th February 2022. Kindly acknowledge the receipt of the same.

Thanking you,

Yours Sincerely,



Prof. Dr. M.B. Chougule
Co-ordinator
Lead College Cluster



Prof. Dr. P.V. Kadole
Chairman
Lead College Cluster

Encl : Cheque No. 077804

dated 06/01/2022.





संघट्टल बैंक ऑफ़ इंडिया
Central Bank of India

इचलकरंजी शाखा, कोल्हापुर
ICHALKARANJI BRANCH, KOLHAPUR-416115
IFSC: CBIN0282570

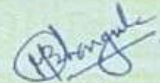
सभी शाखाओं पर देय PAYABLE AT ALL BRANCHES

दि	दि	मा	मा	व	व	व	व
0	6	0	1	2	0	2	2
D	D	M	M	Y	Y	Y	Y

Pay Principal, Bharati Vidyapeeth's College of Engineering
रुपये Rupees Ten Thousand only

अदा करें ₹ 10,000-00

खाता सं०
A/c. No. 3778642782


CO-ORDINATOR


CHAIRMAN

ICHALK

DKTE SOCIETY'S TEXTILE & ENGG. INSTITUTE
कृपया हस्ताक्षर ऊपर करें / Please sign above

⑈077804⑈ 416016201⑈ 002690⑈ 31

Ref No: DKTE/Lead college/2021-22/29

Date: 07/01/2022

To,
The Principal,
Bharti Vidyapeeth's College of Engineering, Kolhapur,
Near Chitranagari,
Kolhapur-416013

Sub: Cheque issue for workshop for Nanotechnology 2021-22.

Ref: Proposal submitted BV/COEK/302/2021-22 dated 30/12/2021.

Dear Sir,

With reference to the above captioned subject, please find enclosed herewith the Cheque of amount of Rs. 57,000/- against the proposal 'One week FDP & STTP on "Nano Technology Synthesis, Characterization and Applications of Nanomaterial's in Engineering & Science" submitted. Kindly acknowledge the receipt of the same.

Thanking you,

Yours Sincerely,



Prof. Dr. M.B. Chougule
Co-ordinator
Lead College Cluster



Prof. Dr. P.V. Kadole
Chairman
Lead College Cluster

Encl: Ch.No. 077805 dated 07/01/2022





सेंट्रल बैंक ऑफ इंडिया
Central Bank of India

इचलकरंजी शाखा, कोल्हापुर
ICHALKARANJI BRANCH, KOLHAPUR-416115
IFSC: CBIN0282570

सभी शाखाओं पर देय PAYABLE AT ALL BRANCHES

दि	दि	मा	मा	व	व	व	व
0	7	0	1	2	0	2	2
D	D	M	M	Y	Y	Y	Y

Pay Principal, Bharati Vidyapeeth's College of Engineering, Kolhapur या धाक को or Bearer

रुपये Rupees Fifty seven Thousand Only

अदा करें ₹ 57,000-00

खाता सं०
A/c. No.

3778642782

CO-ORDINATOR

CHAIRMAN

ICHALK

DKTE SOCIETY'S TEXTILE & ENGG. INSTITUTE
कृपया हस्ताक्षर ऊपर करें / Please sign above

⑈077805⑈ 416016201⑈ 002690⑈ 31

Ref No: DKTE/Lead college/2021-22/39

Date: 28/02/2022

To,
The Principal,
Bharti Vidyapeeth's, College of Engineering,
Morewadi,
Kolhapur- 416013.

SUB: Reimbursement of 15% amount under lead college activity for
academic year 2021-22.

Dear Sir,

With reference to the above captioned subject, please find enclosed
herewith the cheque of amount of Rs. 16,065/- against the proposals submitted.
Kindly acknowledge the receipt of the same.

Thanking you,

Yours Sincerely,



Prof. Dr. M.B. Chougule
Co-ordinator
Lead College Cluster



Prof. Dr. P.V. Kadole
Chairman
Lead College Cluster

Encl : Cheque No. 094575 dated 28/02/2022.

T80
X.813



An Autonomous Institute affiliated to Shivaji University, Kolhapur • Accredited with 'A+' Grade by NAAC

☎ (0091-230) 2421300, 2437315 ☎ Fax : (0091-230) 2432329
2437317, 2439558, 2439560 ☎ Toll Free No. : 1800 843 1300

✉ dktestile@gmail.com 🌐 www.dkde.ac.in
✉ principal@dkde.ac.in 🌐 www.facebook.com/dktestile



इंचालकराजी शाखा, कोल्हापूर
ICHALKARAJI BRANCH, KOLHAPUR-416113
IFSC: CBIN0282570 40006

28022022
D D M M Y Y Y Y

Pay Principal, Bharti Vidyapeeth's college of Engineering
रुपये Rupees Sixteen Thousand Sixty Five only.

₹ 16,065 = 00

3778642782

CO-ORDINATOR

CHAIRMAN

DKTE LEAD COLLEGE CLUSTER ICH
मुद्रा: प्रमुख/अध्यक्ष करें / Please sign above

ICHALK

094575 4160162011 002690 31

Ref No: DKTE/Lead college/2021-22/38

Date: 28/02/2022

To,
The Principal,
Bharti Vidyapeeth's, College of Engineering,
Morewadi,
Kolhapur- 416013.


SUB: Reimbursement of 15% amount under lead college activity for
academic year 2020-21.


Dear Sir,

With reference to the above captioned subject, please find enclosed
herewith the cheque of amount of Rs. 16,260/- against the proposals submitted.
Kindly acknowledge the receipt of the same.

Thanking you,

Yours Sincerely,


Prof. Dr. M.B. Chougule
Co-ordinator
Lead College Cluster


Prof. Dr. P.V. Kadole
Chairman
Lead College Cluster

Encl : Cheque No. 094573 dated 28/02/2022.

TPO
28/2/22



An Autonomous Institute affiliated to Shivaji University, Kolhapur • Accredited with 'A+' Grade by NAAC

(0091-230) 2421300, 2437316 Fax: (0091-230) 2432329
2437317, 2439058, 2439950 Toll Free No.: 1800-843 1300

dkteleadcl@dkte.com www.dktes.ac.in
principal@dktes.com www.facebook.com/dktes

ATC/PVU





इचलकरजी शाखा, कोल्हापूर
ICHALKARANJ BRANCH, KOLHAPUR-416115
IFSC: CBIN0282570 51041

समी वाचकांनी या चेक पेयबल आहे यावर
28022022
D D M M Y Y Y Y

Pay Principal, Bharti Vidyapeeth's College of Engineering
रुपये Rupees Sixteen Thousand Two Hundred
Sixty Only.

3778642782

₹ 16,260/-


CO-ORDINATOR

CHAIRMAN

DKTE LEAD COLLEGE CLUSTER ICH
सुचना प्रसारित करत आहे / Please sign above

ICHALK

Impact Lecture Series 2022-23,
Institution's Innovation Council 4.0
MoE's Innovation Cell (MIC), AICTE

I. Guide line for conducting of impact lecture sessions and general conditions

- The impact session themes and lecture topics should be on innovation, entrepreneurship and IPR. And impact lectures should be delivered by external experts by inviting successful innovators, patent expert and entrepreneurs and resource persons from innovation and start-up ecosystem at the state/region/national level.
- Each Impact session should comprise two impact lectures to be delivered by two different experts on two different topics of minimum 1.5 hours' duration each and should be conducted on the same day of the session date.
- If IIC institution is organise two impact sessions, then there should be a minimum time gap of 10 days between two impact sessions.
- Impact sessions should be conducted in online mode.
- Impact sessions should be conducted after the announcement of results (or) notification issued in this regard to selected IIC institutions.
- IIC institute should get maximum participation by ensuring in-house participation of both students and faculty members and also inviting outside participants from other IIC institutions, Atal Tinkering Labs, Schools etc.
- IIC-Institutes are advised to carryout e-assessment and e-feedback (either by using google form or any other suitable medium) followed by the session to assess the understanding level of the participants.
- IIC Institute may issue e-certificates to the participants attending the session and have submitted e-assessment successfully. For this purpose, IIC-institute may use the MIC, AICTE and IIC logo in the certificate with IIC president as one of the signatory.
- Expenditure for the Impact session should be in accordance with the budget breakup given in the point VII based on the mode of conduct.

II. Funding Assistance from MIC/AICTE

Sr. No.	Budget Breakup	Amount (Online Mode)
1.	Honorarium to the Expert (s)	Rs6000/ Impact Session (@Rs3000/Expert/Day/Session)
2.	TA/DA	N.A
3.	Venue related expenditure including food and snacks etc.	N.A
Expense Amount per session (two lectures)		Rs. 6,000/ Impact Session
Total Amount		Rs. 12,000/-(For 2 Impact Sessions)

Note: TDS should be deducted (as per income tax act) by the institute before releasing the Honorarium amount to the experts.

III. Disbursement of the Funds

- MIC/AICTE will issue the Sanction Order and 100% of the sanctioned amount will be released in **reimbursement mode** to the account of the institute only.
- 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.

IV. Report and Supporting Document Submission

- a. After conduct of the impact lecture session, institute has to fill up and submit report on the IIC portal and upload following documents:
 - Copy of report of the sessions.
 - Feedback sheet of the participants.
 - Geotagged photographs (maximum 15) of the impact lecture session.
 - A video of 2-minute duration having:
 - (i) Introduction by Coordinator mentioning the name and state of institute.
 - (ii) Impact lecture session details and achievements attained through Conference
 - (iii) How the Impact lecture session was beneficial to students, faculty and institute?
 - (iv) Acknowledgement of AICTE/MIC support.
- b. IIC institution shall send hard copy of the report along with following supporting documents within prescribed period of the completion of impact lecture session.
 - Audited Statement of Expenditure indicating expenditure incurred as per approved budget head (VIII) in the prescribed format and GFR-19 shall be submitted to the MIC/AICTE.
 - In case of Govt. institutions, original Statement of actual expenditure in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor.
 - (or) In case of self-financing/private institutions, Statement of actual Expenditure is required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Formats are enclosed.
 - Copy of PAN Card of the institute, filled mandate form, Honorarium receipts & Proof of transaction
 - All documents shall be furnished to the AICTE/MIC immediately after completion of the scheme to the following Address:

The Innovation Officer,
Room No.223, 2nd Floor
MoE's Innovation Cell, AICTE HQ, Nelson Mandela Road
New Delhi-110070.

V. Use of Logos

- The impact lecture session events should prominently display the logos of MIC, AICTE and IIC in all promotion materials such as publicity materials/ advertisements/ brochures/ invitation cards/ any other collaterals/ event backdrop etc. and certificates.
- It is the responsibility of president of concern IIC institute to check and validate the proper and appropriate use of above logos for the said purpose only.

Email: ankush.sharma@aicte-india.org, selva.rani@aicte-india.org
Phone no: 011 2958 1223/1239/1240/1235/1513/1226



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



List of IIC Institutions Selected for Organising Impact Lectures in Online Mode-Phase 2

Sr.No	IIC ID	Institute Name	State	Zone
513	IC202115675	AGRICULTURAL DEVELOPMENT TRUSTS	Maharashtra	Western/WRO
514	IC202116013	All India Shivaji Memorial Societys	Maharashtra	Western/WRO
515	IC201912671	All India Shri Shivaji Memorial Societys College of Engineering	Maharashtra	Western/WRO
516	IC201912891	All India Shri Shivaji Memorial Society's Institute of Information Technology	Maharashtra	Western/WRO
517	IC202115522	Amrutvahini Sheti & Vikas Santhas Amrutvahini College of Engineering	Maharashtra	Western/WRO
518	IC202216697	Anekant Education Societys	Maharashtra	Western/WRO
519	IC202014348	ANJUMAN-I-ISLAM SCHOOL OF ENGINEERING AND TECHNOLOGY ATANJUMAN-I-ISLAM KALSEKAR TECHNICAL	Maharashtra	Western/WRO
520	IC201912756	Aravind Gavali College of Engineering	Maharashtra	Western/WRO
521	IC201811217	Atharva Educational Trusts College of Engineering	Maharashtra	Western/WRO
522	IC201811186	Audyogik Tantra Shikshan Sansthas Institute of Industrial and Computer Management and Research	Maharashtra	Western/WRO
523	IC201810385	Bajaj College of Science	Maharashtra	Western/WRO
524	IC202115835	Bansilal Ramnath Agarwal Charitable Trusts Vishwakarma College of Arts Science and Commerce College	Maharashtra	Western/WRO
525	IC201912327	Bapurao Deshmukh Engineering College	Maharashtra	Western/WRO
526	IC201912867	Bharati Vidyapeeth's College of Engineering	Maharashtra	Western/WRO
527	IC202013067	Bharati Vidyapeeths Institute of Management Studies & Research	Maharashtra	Western/WRO
528	IC201810817	C.U.Shah College of Pharmacy	Maharashtra	Western/WRO
529	IC202014711	Christ Institute of Management	Maharashtra	Western/WRO
530	IC202015409	College of Ayurved	Maharashtra	Western/WRO
531	IC201810544	College of Engineering	Maharashtra	Western/WRO
532	IC202115693	COLLEGE OF PHARMACY JULE SOLAPUR	Maharashtra	Western/WRO

A
MEGA PROJECT REPORT
ON

“Design And Fabrication of Affordable Electrical Vehicle for Handicap”

Submitted by

Mr. Akash Maruti Phadtare.

Mr. Saklen Faiyyaj Shikalgar.

Mr. Abhijit Shivaji Patil.

Mr. Rushikesh Tulsidas Pol.

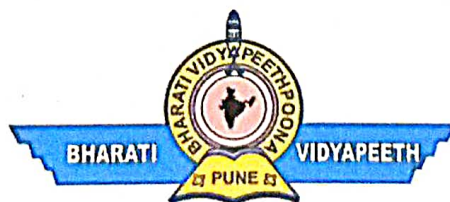
Mr. Abhishek Sambhaji Nale.

Under the guidance of

Prof. S.B. Kamble Sir.

To

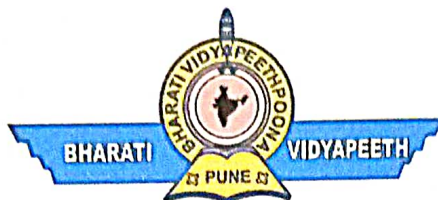
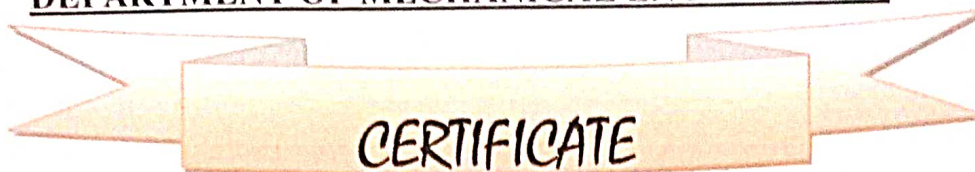
DEPARTMENT OF MECHANICAL ENGINEERING



**BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,
KOLHAPUR.
(2021-2022)**

**BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,
KOLHAPUR.**

DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the Mega Project report entitled

“Design And Fabrication of Affordable Electrical Vehicle for Handicap”

Is a Bonafide work of **Mr. Akash Maruti Phadtare, Mr. Saklen Faiyyaj Shikalgar, Mr. Abhijit Shivaji Patil, Mr. Rushikesh Tulsidas Pol and Mr. Abhishek Sambhaji Nale** in partial fulfilment of requirements for award of degree of bachelor of engineering in Mechanical Engineering Shivaji University, Kolhapur. They have carried out the work under my supervision and guidance, during academic year 2021-2022.

Prof. S. B. Kamble
Project Guide

Dr. P. B. Patole
Project Coordinator

Dr. S. J. Kadam
Head of Department

Dr. V. R. Ghorpade.
Principal



HERO ELECTRIC
India's Largest Selling Electric Bikes

RAVI MOTORS
AUTHORISED DEALER

Shankar 6 B, Lane, Kolhapur - 416 001 Maharashtra
M : 91 8868300161
E: ravi@ravitom161@gmail.com W: heroelectric.in

SPONSORSHIP LETTER

This is to certify that following final year engineering students of B-TECH Mechanical course of Bharti Vidyapeeth College of Engineering Kolhapur are Sponsored for following project in our organization for academic year 2021-2022

Title of Project

"Design and Fabricate Affordable Electrical Vehicle for Handicap"

Sr. No.	Name	Sr. No.	Name
1	Sandesh P. Pote	1	Akash M. Phadtare
2	Ankur R. Yadav	2	Sakten P. Shikalgar
3	Rahul V. Yedage	3	Abhinav S. Patil
4	Omkar S. Patil	4	Rushikesh T. Pol
5	Aniket S. Raut	5	Abhishek S. Nale

Terms and Conditions:

1. Students are required to work Sincerely on the project and complete the same in stipulate time.
2. Necessary Infrastructure and technical facilities will be provided by the company



11.1 Project cost-

Sr.No.	Components	Quantity	Cost	Total Cost
1	Steering Mechanism	1	5000/-	5000/-
2	Fabrication work of vehicle frame	1	12500/-	12500/-
3	wheelchair	1	5000/-	5000/-
4	Battery	1	22300/-	22300/-
5	Hub Motor	1	15000/-	15000/-
6	Controller	1	2900/-	2900/-
7	Converter	1	600/-	600/-
8	Charger	1	6000/-	6000/-
9	Throttle	1	440/-	440/-
10	Suspension System	2	1000/-	1000/-
11	Electrical Warring	1	3000/-	3000/-
12	Paint	2	460/-	460/-
	Total (Approx.)			74200/-

A
Project Phase II - Report
On
“Kinetic Energy Recovery System”

Submitted by
Mr. Hajare Ajinkya V.
Mr. Pangale Omkar S.
Mr. Patil Prathmesh S.
Mr. Patel Ihteshamuddin S.
Mr. Shirgave Sourabh B.

Under the guidance of

Prof. R. B. Lokapure

To

DEPARTMENT OF MECHANICAL ENGINEERING



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR
(2021-2022)

**BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,
KOLHAPUR**

DEPARTMENT OF MECHANICAL ENGINEERING





CERTIFICATE

This is to certify that the project entitled "Kinetic Energy Recovery System" submitted by Mr. Hajare Ajinkya v, Mr. Panagale Omkar S, Mr. Patil Prathmesh S, Mr. Shirgave Sourabh B for the fulfillment of the requirement for the award of degree of Bachelor of engineering in Mechanical Engineering to the Shivaji University.


This preliminary report is record of student's team work carried out by them under my supervision and guidance in the academic year 2021-22.

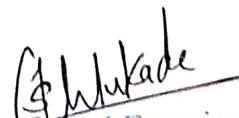
Place: Kolhapur


Prof. R. B. Lokapure
(Project Guide)


Dr. S. J. Kadam
(Head of Department)


Dr. P. B. Patole
(Project Co-ordinator)


Dr. V. R. Ghorpade
(Principal)


External Examiner

OND OM NAVNATH DIESELS

Work Shop D-91, Near Minn Metallic, Five Star, Kagal-Halkangalis, MIDC, KOLHAPUR
Specialist in all type of Engines Spares & Services, A.M.U., Top & Minor overhauling,
Cummins, Greeves, Kirloskar, Lujland, Caterpillar & BEML, Duzoor.
Ph. 7218488092 Email :- ondnavnath@gmail.com

Ref. No:- OND/ 17-18

Date:- 28 Dec 2021

To,
The principal,
Punech Vidyapeeth's College of Engineering,
Kolhapur

Subject: Regarding the sponsorship for academic project

Respected Sir,

It is to inform you that the project kinetic energy recovery system is helpful to save energy and we would like to sponsor

the project.

Students Working on this project are

1. Haree Anshya V
2. Pangalambhar S
3. Patel Prathmesh S
4. Suresh Shripada B
5. Bhadrakrishnan Parth S

Thank You

Sponsor Name -

OM NAVNATH DIESELS,

CHUGALESI



Kinetic Energy Recovery System 2021-22

- **Miscellaneous Cost :**

Operation	Cost (Rs)
Sawing	200
Welding	380
Total	580

- **Cost Of Purchase Parts :**

Sr.No.	Description	Qty.	Cost
1.	Bearing 6003	01	252
2.	Motor	01	875
3.	BELT	02	410
4.	Pulley	01	180

The cost of purchase parts = Rs 1717/-

- **Total Cost :**

Total Cost = Raw Material Cost + Machine Cost + Miscellaneous Cost
+ cost of Purchased Parts
= Rs. 5892/-

Hence the total cost of machine = Rs. 5892/-

A
PROJECT REPORT

ON

“DESIGN AND DEVELOPMENT OF HUMIDITY CONTROLLER
FOR PREVENTION OF MICROBIOLOGICAL SPOILAGE IN
VEGETABLES”

Submitted by

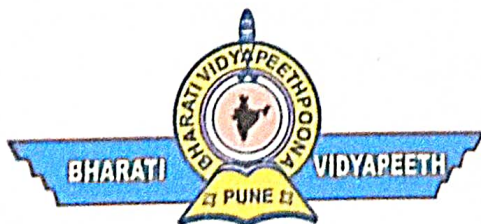
NAME	PRN
SATHE PRATIK PANDIT	2018087386
SHEDAGE ARJUN MOHAN	2018087383
PATIL SOURABH ANANDRAO	2018087395
PATIL SAIRAJ SURESH	2018087389
KUMBHAR SANKET SHIVAJI	2018087417

Under the guidance of

Prof. J.G.Shinde

To

DEPARTMENT OF MECHANICAL ENGINEERING



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,
KOLHAPUR.
(2021-2022)

**BIHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,
KOLHAPUR,**

DEPARTMENT OF MECHANICAL ENGINEERING

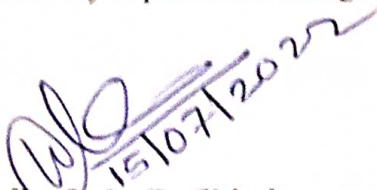
CERTIFICATE

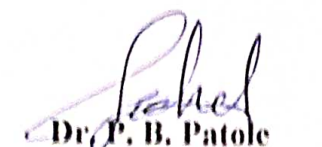


This is to certify that the Project report entitled

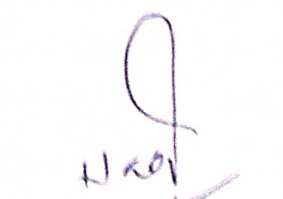
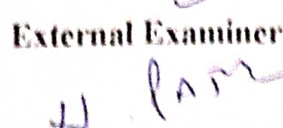
**"DESIGN AND DEVELOPMENT OF HUMIDITY CONTROLLER FOR PREVENTION
OF MICROBIOLOGICAL SPOILAGE IN VEGETABLES"**

Is a Bonafide work of Mr.Sathe Pratik Pandit , Mr.Shedage Arjun Mohan,
Mr.Patil Sourabh Anandrao , Mr. Patil Sairaj Suresh And Mr. Kumbhar Sanket
Shivaji in partial fulfillment of requirements for award of degree of bachelor of engineering
in Mechanical Engineering, Shivaji University, Kolhapur. They have carried out the work
under my supervision and guidance, during academic year 2021-2022.


Prof. J. G. Shinde
Project Guide


Dr. P. B. Patole
Project Coordinator


Dr. S. J. Kadam
Head of Department


External Examiner



Dr. V. R. Ghorpade
Principal



TULSI AGRO
SWADIN SUDHAKAR

D.NO. 2020 OF M1

Date

SPONSARSHIP LETEER

This is to certify that following final year engineering students of B-TECH Mechanical course of Bharti Vidyapeeth's college of Engineering Kolhapur are Sponsored for following project in our organisation for academic year 2021-2022

Title Of Project:- design and development of Humidity Controller
For privantation of microbllogical spoilage in vegetables.

Name of students:

Sr no	Name
1	Arjun M Shedage
2	Pratik P Sathe
3	Sanket S Kumbhar
4	Sourabh Anandrao Patil
5	Sairaj S Patil

T&C

1 Students are required to work Sincerely on the project and complete the same in stipulate time

2 Necessary Infrastructure and technical facilities will be provided by the company

Tulsi Agro Processing Pvt. Ltd.
Seal & signature



+91 9766929646



hr@tulsiagro.com



Gat. no 223, Near Ramrao N. K. college
Indoli (pur), Dist. Solapur 413109



TULSI AGRO

SWAAD BHI, SUVIDHA BHI

Date

U NO - PR/01/2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, following are students of B V C O L KOLI HAPUR have successfully completed their Industrial project on Design and Development Of humidity controller for

Privantation of microbiological Spoilage in Vegetabale

Name of Student

- 1) Shedage Arjun M.
- 2) Sathé Pratik P
- 3) Kumbhar Sanket S
- 4) Patil Sairaj S
- 5) Patil Sourabh A

They have successfully completed their Project and Wish them success in future.

Tulsi Agro Processors


DIRECTOR



+91 9766929646



www.agrotulsi@gmail.com



Gat .no-223,Near Ramrao nikam college
Indoli(purv),karad 415109

6.5 COST ESTIMATING:

Sr.No	Name of part	Quantity	Price
1)	Exhaust Fan	1	3500
2)	Mixing Fan	2	7000
3)	M/S sheet	Squre/mt	20000
4)	M/S Ducting	Squre/mt	15000
5)	GI Sheet	Squre/mt	15000
6)	Glasswool material	35 kg	10000
7)	Electric Panel	1	12000
8)	Humidity sensor	1	3000
9)	Thermocouple	1	1700
10)	Door Locking Pair	2	2600
11)	Safety Guard motor	2	2000
12)	Powder Coating	2kg	10000
	Total		101800/-

Table No. 1



JonQuil LifeSciences

Enhancing Life. Excelling in Care



8668983093



jonquil.lifesciences@gmail.com



Shop no 2, Near Kalepadal Railway

Gate, Kalepadal, Hadapsar, Pune-411028

To,

The Principal

Bharati Vidyapeeth's College of Engineering, Kolhapur

Subject: Financial Assistance for the project titled "Automatic Luggage Storage System".

Dear Sir,

This is to inform that our company is sponsoring the final year student project of Electronics and Telecommunication Engineering department which is titled "Automatic Luggage Storage System" with maximum amount/ expenses of Rs.25,000/- (Rs. Twenty Five Thousand Only). The sponsorship will be in terms of purchase of electronics component, Project testing cost, site visit and expert resources. The amount to be utilized for the above project and during the academic year 2021-2022 only. The duration for completion of project will be one year.

Kindly allow the following group of students to work under the Guidance/ Principal investigator of Dr. Sanjay Shamrao Pawar, Assistant professor Bharati Vidyapeeth's College of Engineering, Kolhapur.

- Ms. Sneha Dhanaajirao Pawar
- Ms. Apurva Raghunath Patil
- Ms. Kishori Arvind Patil

Kindly consider this as sanction letter; this is for your information and further needful action

Thanks and Regards

SARTAJ KHAN

S. Khan.



A

PROJECT REPORT ON

"AUTOMATIC LUGGAGE STORAGE SYSTEM"

SUBMITTED TO THE SHIVAJI UNIVERSITY, KOLHAPUR
IN THE PARTIAL FULFILMENT OF REQUIREMENTS
FOR THE AWARD OF THE DEGREE

OF

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SUBMITTED BY

Ms. Sneha Dhanajirao Pawar

Roll No.56

Ms. Apurva Raghunath Patil

Roll No.45

Ms. Kishori Arvind Patil

Roll No.48

UNDER THE GUIDENCE OF

Dr. S. S. Pawar

DEPARTMENT OF

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

NEAR CHITRANAGARI KOLHAPUR-416013

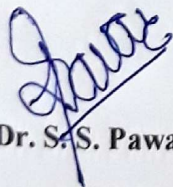
2021-2022



BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

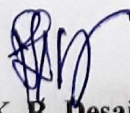
CERTIFICATE

This is to certify that, project report entitled, **"Automatic Luggage Storage System"** submitted by **Ms. Sneha Dhanajirao Pawar, Ms. Apurva Raghunath Patil and Ms. Kishori Arvind Patil** is bonafide work carried out by them under the guidance of **Dr. S. S. Pawar** and it is approved for partial fulfillment of the requirement of the Shivaji University, Kolhapur for the award of the Bachelor's Degree of Engineering in Electronics and Telecommunication Engineering



Dr. S. S. Pawar

GUIDE



Dr. K. R. Desai

H.O.D.



Dr. V. R. Ghorpade.

PRINCIPAL

DATE: / / 2022

PLACE: - KOLHAPUR



JONQUIL LIFESCIENCES LLP

Enhancing life, Excelling in care.

DATE: 04/07/2022

To,
Head of Department,
Electronics And Telecommunication Engineering,
Bharati Vidyapeeth's College of Engineering, Kolhapur.

Subject: Approval letter for sponsored project design development and manufacturing of Design and Fabrication of **Automatic Luggage Storage System.**

Dear sir,

This is reference to your letter from your student for project sponsorship. We pleased to accept your letter and provide permission for doing project at our concern. As per the policy we provide good resources and material for successful completion of project.

We hereby approved application from student and further activities of below mentions students from department of ENTC. The names of students are:

1. Sneha Dhanajirao Pawar
2. Apurva Raghunath Patil
3. Kishori Arvind Patil

We are wishing you for the project.

Mr. Sartaj Khan

Proprietor
Jonquil Life Sciences LLP

S. Khan

Partner

Corporate Office Co - Ground Floor, Sunshine Heights, 185 Road, Mumbai
25 W.W. www.jonquillifesciences.com



JONQUIL LIFESCIENCES LLP

Enhancing life, Excelling in care.

DATE: 4/7/2022

To,

The principal,

Bharati Vidyapeeth's College of Engineering, Kolhapur.

Subject: Completion of Project

Respected Sir,

This is to certify that the students mentioned below from Bharati Vidyapeeth's College of Engineering, Kolhapur belonging to Electronics and Telecommunication Department have successfully completed project "Automatic Luggage Storage System".

As per our, "JONQUIL LIFESCIENCES LLP" has sponsored the project for the following student have been provided guidance by our company as requirement of project.

Following are the student to whom the sponsorship letter has been given:

1. Sneha Dhanajirao Pawar
2. Apurva Raghunath Patil
3. Kishori Arvind Patil

Regards,

Mr. Sartaj Khan

Proprietor
Jonquil Life Sciences LLP
S. Khan

Partner

Corporate Office Co. Ground Floor, Sunshine Heights 2 B, Road, Mumbai
25 WWW.JONQUILLIFESCIENCES.COM

Tuljai Hospital

Shahunagar parite, Karveer Nagar ,Bhogavati Kolhapur ,Maharashtra -416211
(Opp,Bhogawati Petrol Pump)

Dr. Sadanand K. Teli.

MBBS D.G.O DFD

Date: 06/12/2021

To,

The Principal

Bharati Vidyapeeth's College of Engineering, Kolhapur

Subject: Financial Assistance for the project titled “Red Wings: A Central Repository for Blood Donations”.

Dear Sir,

This is to inform that our company is sponsoring the final year student project of Computer Science and Engineering department which is titled **“Red Wings: A Central Repository for Blood Donations”.** with maximum amount/ expenses of **Rs.25, 000/- (Rs. Twenty Five Thousand Only).** The sponsorship will be in terms of softwares, devices, High testing and expert resources or workshop needed for project. The sanctioned amount is to be utilized for the above project and during the academic year 2021-2022 only. The duration for completion of above project will be one year. Kindly allow the following group of students to work under the Guidance/ Principal investigator of Mrs. P. R. Patil Assistant professor Bharati Vidyapeeth's College of Engineering, Kolhapur. Name of Students:

1. Mr. Pratik S Kakade
2. Mr. Pavan U Koli
3. Ms. Shweta S Patil
4. Mr. Yash S Sahare
5. Ms. Shruti B Sankeshware

Kindly consider letter as sanction letter,

Thanks and Regards



Dr. Sadanand K. Teli.

Tuljai Hospital

A

Phase 2 Project Report On

"Red Wings: A Central Repository for Blood Donations"

Submitted in partial fulfilment of the requirements

For the award of the degree of

Bachelor of Technology

In

Computer Science and Engineering

Submitted By

Mr. Yash Sudhakar Sahare (39)

Ms. Shruti Bandu Sankeshware (40)

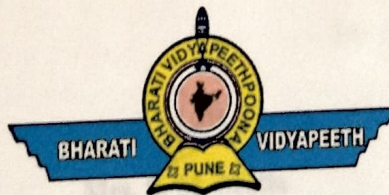
Ms. Shweta Sunil Patil (38)

Mr. Pratik Sunil Kakade (36)

Mr. Pavan Uttam Koli (37)

Under The Guidance Of

Prof. P. R. Patil



Prof. P. R. Patil
(Project Guide)

**Bharati Vidyapeeth's
College Of Engineering, Kolhapur
Department Of Computer Science and Engineering
2021-2022**



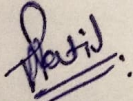
**Bharati Vidyapeeth's
College of Engineering, Kolhapur**


CERTIFICATE


This is to certify that Mr. Yash Sudhakar Sahare, Ms. Shruti Bandu Sankeshware, Ms. Shweta Sunil Patil, Mr. Pratik Sunil Kakade, & Mr. Pavan Uttam Koli of B.TECH (Computer Science & Engineering) have completed the phase 2 project entitled "Red Wings", as per the curriculum of Shivaji University, Kolhapur in the year 2021-2022.

Date: 09/07/2022

Place: BVCOE, Kolhapur


Prof. P. R. Patil
(Project Guide)


Mrs. S. M. Mulla
(H.O.D)


Dr. V. R. Ghorpade
(Principal)



**Bharati Vidyapeeth's
College of Engineering, Kolhapur**

ACKNOWLEDGEMENT

We convey our sincere thanks with profound respect and gratitude to our guide **Prof. P. R. Patil** for her valuable guidance to our project and encouragement and suggestions through the period of project work from the very inception to the successful completion.

We are also thankful to our HOD **Mrs. S. M. Mulla** for her support and inspiration.

We are also thankful to our principal **Dr. V. R. Ghorpade** for his encouragement of our project. We thank all others who directly or indirectly helped us in completing this project successfully.

Yours Faithfully,

Mr. Yash Sudhakar Sahare

Ms. Shruti Bandu Sankeshware

Ms. Shweta Sunil Patil

Mr. Pratik Sunil Kakade

Mr. Pavan Uttam Koli

Prof. S. M. Mulla,

HOD
CSE Dept.

Head,

Dept. of Computer Sc. & Engineering
Bharati Vidyapeeth's
College of Engineering, Kolhapur

Dr. V. R. Ghorpade,

Principal
Bharati Vidyapeeth's

College of Engineering
Kolhapur

Mr. H. L. Lohar,

Managing Director
Bharati Vidyapeeth's

College of Engineering
Kolhapur

Tuljai Hospital

Shahunagar Parite, Karveer Nagar, Bhogavati, Kolhapur, Maharashtra - 416211
(Opp. Bhogawati Petrol Pump)

Dr. Sadanand K. Teli.
MBBS D.G.O DFD

Date: 06/12/2021

To,
Principal,
Bharati Vidyapeeth's College of Engineering, Kolhapur.

Subject: - Sponsorship for final year project of engineering.

Respected Sir,

We are pleased to inform you that our hospital "Tuljai Hospital, Bhogavati" has chosen following students for being sponsored for completing their final year project.

1. Mr. Pratik Sunil Kakade
2. Mr. Pavan Uttam Koli
3. Ms. Shweta Sunil Patil
4. Mr. Yash Sudhakar Sahare
5. Ms. Shruti Bandu Sankeshware

Red Wings: A Central Repository for Blood Donations is a web-based project which is a management system for blood banks. The name given to the website is Red Wings. The management has a plan to collect the information about blood availability from many different sources and distribute the same for the needy. A person who wants to donate blood can visit our website and search for available blood camps, blood banks for donation. People who need to donate blood may register on our website with the help of a username, password. So, they can modify their details anytime by giving their login details. The person who needs a blood donor, can search and find blood donors by using our website.

After completing the project we shall consider a demonstration of the project and if it fits to our hospital requirements we shall buy this project from students in the future. The expenses provided by us should be spent on the study materials and instruments required for establishing setup of the project.

Thanking You.

Regards,



Dr. Sadanand K. Teli

Tuljai Hospital

TULJAI HOSPITAL

Dr. Sadanand K. Teli

M.B., D.G.O., D.F.P.

Reg. No. 2003/07/2630

Tuljal Hospital

Shahunagar Parite, Karveer Nagar, Bhogavati, Kolhapur, Maharashtra - 416211
(Opp. Bhogavati Petrol Pump)

Dr. Sadanand K. Teli.
MBBS D.G.O DFD

Date: 13/06/2022

To,
Principal,
Bharati Vidyapeeth's College of Engineering, Kolhapur.

Subject: - Completion of final year project in engineering.

Respected Sir,

This is to certify that below project group members has successfully completed an academic project entitled "Red Wings: A Central Repository for Blood Donations" with our organization. The project work which is completed is genuine and legitimate.

1. Mr. Pratik Sunil Kakade
2. Mr. Pavan Uttam Koli
3. Ms. Shweta Sunil Patil
4. Mr. Yash Sudhakar Sahare
5. Ms. Shruti Bandu Sankeshware

During the tenure of their project with our company, they have shown the great passion and understanding towards their work. The project team has demonstrated high academic understanding and creative skills while carrying out the assigned project.

Thanking You.

Yours faithfully,



Dr. S. K. Teli.
TULJAL HOSPITAL
Dr. Sadanand K. Teli
M.B., D.G.O., D.F.P.
Reg. No. 2003/07/2630



To,
The Principal
Bharati Vidyapeeth's College of Engineering, Kolhapur

Subject: Financial Assistance for the project titled "Chetna An ML Based Application for Children with Development Disabilities"

Dear Sir,

This is to inform that our company is sponsoring the final year student project of Computer Science and Engineering department which is titled "**Chetna An ML Based Application for Children with Development Disabilities**" with maximum amount/ expenses of **Rs.18,000/- (Rs. Eighteen Thousand Only).**

The sponsorship will be in terms of software's, devices, high testing and expert resources or workshop needed for project. The sanctioned amount is to be utilized for the above project and during the academic year 2021-2022 only. The duration for completion of above project will be one year.

Kindly allow the following group of students to work under the Guidance/ Principal investigator of Mrs. S.M. Mulla Assistant professor Bharati Vidyapeeth's College of Engineering, Kolhapur.

Name of Students:

1. Ms Manali M Joshi
2. Ms Anushka S Kamat
3. Ms. Shital A Mote
4. Ms. Ujvala P Niroli
5. Ms.Sharayu S Patil

Kindly consider letter as sanction letter, this is for your kind information and further needful

Thanks and Regards

(Mr .Pawan Khebudkar)
Executive President
Chetna Apangmatt Vikas Sanstha
Kolhapur

A Project Report on
**“Chetana - An ML Based Application For Children With
Developmental Disabilities”**

submitted in partial fulfillment of the requirements

for the award of the degree of

Bachelor of Technology

in

Computer Science & Engineering

by

1. Manali Mukund Joshi. (06)
2. Anushka Shrikrishna Kamat. (07)
3. Shital Ashok Mote. (08)
4. Ujvala Prakash Niroli. (09)
5. Sharayu Shankar Patil. (10)

under the guidance of

Prof. S. M. Mulla



Department of Computer Science & Engineering

**BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,
KOLHAPUR YEAR: 2021-22**



CERTIFICATE

This is to certify that the project report entitled “**Chetana-An ML Based Application for Children with Developmental Disabilities.**” submitted by **Ms. Manali Joshi, Ms. Anushka Kamat, Ms. Shital Mote, Ms. Ujvala Niroli, Ms. Sharayu Patil** for the partial fulfillment of the requirement for the award of degree of **Bachelor of Technology in Computer Science & Engineering** to the **Shivaji University**.

This report is record of students’ teamwork carried out by them under my supervision and guidance.

Date:

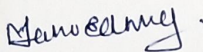
Place:



Guide:

Prof. S. M. Mulla


HOD:

Prof. S. M. Mulla


External Examiner


Principal


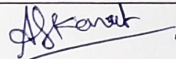
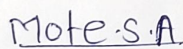
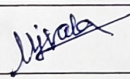
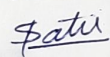
Dr. V. R. Ghorpade

ACKNOWLEDGEMENT

It is our privilege to acknowledge with deep sense of gratitude to our project guide **Prof. S. M. Mulla** for his valuable suggestions and guidance throughout our course of study and project.

We express our gratitude to **Prof. S. M. Mulla(HOD)** for their kind help and co-operation and special thanks to our **Principal Dr. V. R. Ghorpade** for giving us an opportunity to work on this topic

We are highly obliged to the entire staff of the Computer Science & Engineering Department for their kind co-operation and help. We also take this opportunity to thank all our colleagues, who backed our interest by giving useful suggestions and all possible help.

Name of the Project Group Members	Signature
Miss. Manali M.Joshi.	
Miss. Anushka S. Kamat.	
Miss. Shital A. Mote.	
Miss. Ujvala P. Niroli.	
Miss.Sharayu S. Patil	

Outward number:- 20/1/2022 [183]

Date:- 20/9/2021

To,

Principal,

Bharati Vidyapeeth's College of Engineering, Kolhapur.

Subject:- Sponsorship for final year project of engineering.

Respected Sir,

We are pleased to inform you that our organization "**Chetana Apangmati Vikas Sanstha**, M6CP+JHC, Shenda Park, Kolhapur, Maharashtra 416013" has chosen following students for being sponsored under our Student development and Encouragement Program for completing their final year project.

1. Manali Mukund Joshi.
2. Anushka Shrikrishna Kamat.
3. Shital Ashok Mote.
4. Ujvala Prakash Niroli
5. Sharayu Shankar Patil.

"Chetana-An AI Based Application for Children With Developmental Disabilities."

The project is an effort towards studying the challenges in **intellectual disabled people**. The **intellectual disabled people** mean the people having **low IQ level**. There are many school and organization which are taking activities to improve their IQ level so they do their daily activities by their own.

Main goal of project is to overcome with education problems for these students. Help to do daily activities and learn new things and also help faculty in their work.

After completing the project we shall consider a demonstration of the project and if it fits to our organization's requirements we shall buy this project from students in the future. The expenses provided by us should be spent on the study materials, stationary and instruments required for establishing setup of the project.

Thanking You.

Regards,

Sign and stamp of Director
(Managing Director)

Head Mistress

Chetana Vikas Mandir

(Mentally Handicapped School)

Shenda Park, Kolhapur.



Outward number:- 219

Date:- 19/07/2022.

To,
Principal,
Bharati Vidyapeeth's College of Engineering,
Kolhapur.

Subject :- Completion of final year project in engineering.

Respected Sir,

This is to certify that below project group members has successfully completed an academic project entitled "**Chetana : An ML Based Application for Children With Developmental Disabilities**" with our organization. The project work which is completed is genuine and legitimate.

1. Manali Mukund Joshi
2. Anushka Shrikrishna kamat
3. Shital Ashok Mote
4. Ujvala Prakash Niroli
5. Sharayu Shankar Patil

During the tenure of their project with our organization, they have shown the great passion and understanding towards their work. The project team has demonstrated high academic understanding and creative skills while carrying out the assigned project.

Thanking You.

Mrs. Ajaya Patil

Head Mistress
Chetana Vikas Mandir
(Mentally Handicapped School)
Shenda Park, Kolhapur.

Yours faithfully,

Mr. Pawan Khebudkar

Executive President
Chetana Apangmati Vikas Sanstha
Kolhapur.



TIRUPATI ENTERPRISES

Reg. Off. : F - 7, Sankalp Apartment, Bhoir Colony, Chinchwad,
Pune -33. ☎:(020) 2745 9225 Email-tirupatipune@yahoo.co.in
Branch Off.: Office No. 101, Rhea Apartment, 5, Aundh-Khadki
Road, Khadki, Pune-20 ☎:(020) 25812252 Mob: 9890281157

Authorised Dealers in Electrical & Electronics testing & measuring instruments,
Dealers for all types of Electrical & Electronics goods

REF No. TE/LAT/2021-22/08

Date: 2/11/2021

To,
The Principal
Bharati Vidyapeeth's College of Engineering, Kolhapur

Subject: Financial Assistance for the project titled "Educational Website".

Dear Sir,

This is to inform that we are sponsoring the final year student project guided by **Dr. J.K.Patil** Associate professor of Electronics and Telecommunication Engineering department titled **"Educational Website"** with amount of **Rs.46, 000/- (Rs. Forty Six Thousand Only)** with the expectation that the sanctioned amount is to be utilized for the above project and during the academic year 2021-2022 only.

Name of Students working on project:

1. Mr. Niranjana Rajiv Sawant
2. Mr. Mohammad Umar Faruk Nadaf
3. Ms. Kasturi Girish Fadate

This is for your kind information and further needful action

Thanking you.
Yours faithfully,

(FOR TIRUPATI ENTERPRISES).
Jaydip B. Shelke
9890281157
(Email: tirupatipune@yahoo.co.in)



A

PROJECT REPORT ON

"INTERACTIVE WEB-APPLICATION"

SUBMITTED TO THE SHIVAJI UNIVERSITY, KOLHAPUR
IN THE PARTIAL FULFILMENT OF REQUIREMENTS
FOR THE AWARD OF THE DEGREE

OF

BACHELOR OF TECHNOLOGY

IN

**ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SUBMITTED BY**

Niranjan R. Sawant

Roll No: 64

Kasturi G. Fadate

Roll No: 10

Mohammadkhalid U. Nadaf

Roll No: 37

UNDER THE GUIDENCE OF

Dr. J. K. Patil

DEPARTMENT OF

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

NEAR CHITRANAGARI KOLHAPUR-416013

2021-2022



BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING

CERTIFICATE

This is to certify that, project report entitled, "**Interactive web-application**" submitted by **Mr. Mohammadkhalid U. Nadaf, Miss. Kasturi G. Fadate and Mr. Niranjan R. Sawant** is bonafide work carried out by them under the guidance of **Dr. J. K. Patil** and it is approved for partial fulfillment of the requirement of the Shivaji University, Kolhapur for the award of the Bachelor's Degree of Engineering in Electronics and Telecommunication Engineering.


Dr. J. K. Patil

GUIDE


Dr. K.R. Desai

H.O.D.


Dr. V.R. Ghorpade

PRINCIPAL

DATE: 18/07/2022

PLACE: - KOLHAPUR


Deep Patel



A

PROJECT REPORT ON

"IOT Based Water Level Monitoring And Management Of Dams"

SUBMITTED TO THE SHIVAJI UNIVERSITY, KOLHAPUR

IN THE PARTIAL FULFILMENT OF REQUIREMENTS

FOR THE AWARD OF THE DEGREE

OF

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SUBMITTED BY

Ms.Vaibhavi Prakash Mali

Roll No.36

Ms.Pratima Sanjay Vhatakar

Roll No.70

Ms.Arпита Rangrao Patil

Roll No.46

UNDER THE GUIDENCE OF

Dr. K. R. Desai

DEPARTMENT OF

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

NEAR CHITRANAGARI KOLHAPUR-416013

2021-2022



BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that, project report entitled, "*IOT Based Water Level Monitoring And Management Of Dams*" submitted by Ms. Vaibhavi Prakash Mali , Ms. Pratima Sanjay Vhatakar and Ms. Arpita Rangrao Patil is bonafide work carried out by them under the guidance of Dr. K. R. Desai sir and it is approved for partial fulfillment of the requirement of the Shivaji University, Kolhapur for the award of the Bachelor's Degree of Engineering in Electronics and Telecommunication Engineering

Dr. K. R. Desai

H.O.D. And GUIDE

Dr. V. R. Ghorpade.

PRINCIPAL

DATE: 12/07/2022

PLACE: - KOLHAPUR

Ref. : BVDU/A10/2022-23/4061

Date: 9/1/2023

✓ The Director
Institute of Management,
Kolhapur

Sir,

Based on the recommendations of the Committee constituted for assessment of research proposals submitted for financial assistance for minor research project submitted by faculty members Hon'ble Vice Chancellor has accorded his sanction as per list attached.

You are requested to disburse the amount.

Hon'ble Vice Chancellor has also instructed that the above said Committee should quarterly evaluate the progress of the research projects and notify the outcome to the University.

Yours sincerely,

G. Jayakumar
(G. Jayakumar)
Registrar

Copy to:

The Dean,
Faculty of Management Studies
Institute of Management
& Entrepreneurship Development
Pune 411038

82/11/23
Bharati Vidyapeeth
(Deemed to be University)
Institute of Management, Kolhapur.
Inward No. 520 Date: 16/1/23

Sr. No.	Research Proposal by Principal Investigator	Co-Investigator	Title of the Research Project	Sanctioned Amount in Rs.
1	Dr. K. M. Alaskar	Dr. F. A. Tamboli	Use of Artificial Intelligence (AI) to Find Implication of Ramdhan Fasting for Human Health Care	43200.00
2	Dr. M. A. Kulkarni	Dr. K. R. Desai	Study of Factors Affecting on Flood Situation in Kolhapur City Region and Developing an IOT based System for Water Level Management in Dam and River	75000.00
3	Dr. B. V. Patil		Nifty 50 and Risk Returns Strategies : A Study Based on Machine Learning Through Auto Regression Model	30000.00
4	Dr. D. M. Gala		A Study on Measurement of Socio-economic Status (SES) Score of Mompreneurs with Special Reference to Sangli District	50000.00
5	Mr. N. K. Nrip (pursing Ph. D.)	Dr. Rajesh Kanthe	Design & Development of E-School (Virtual Learning Platform) for Teaching and Learning	50000.00

Dr. M. A. Kulkarni

Dr. K. R. Desai

[Handwritten Signature]



PATIL CONSTRUCTION

Builder and designer

Flat NO. 25, Patil Complex, Near Mahadevnagar,
Dhamani Road, Sangli, Maharashtra 416415

Email ID: patilconstruction@gmail.com

Ref: 815/2021

Date: 27/08/2021

To,
The Principal,
Bharati Vidyapeeth's College of Engineering, Kolhapur

Subject: Financial assistance for the project titled "EXPERIMENTAL STUDY OF HYBRID STEEL, POLYPROPYLENE FIBRE REINFORCED CONCRETE"

Dear Sir,

This is to inform that our company is sponsoring the final year student project of Civil Engineering department which is titled titled "EXPERIMENTAL STUDY OF HYBRID STEEL, POLYPROPYLENE FIBRE REINFORCED CONCRETE" with maximum amount/ expenses of **Rs.13,000/- (Rs. Thirteen Thousand Only)**. The sponsorship will be in terms of purchase of project materials such as cement, sand, aggregate and adhesive/ chemical also Project testing cost, site visit and expert resources. The amount to be utilized for the above project and during the academic year 2021-22 only. The duration for completion of project will be one year. Kindly allow the following group of students to work under the Guidance/ Principal investigator of M.M.MORE, Assistant professor Bharati Vidyapeeth's College of Engineering, Kolhapur.

- 1 Gholap Shraddha Gautam
- 2 Kakade Ravindra Manohar
- 3 Khot Shivani Bajirao
- 4 Mujawar Mohammad Asim Naushad

Kindly consider this as sanction letter; this is for your information and further needful action

Thanks and Regards

Proprietor

A
PROJECT REPORT
ON

**“Experimental Study of Hybrid Steel-Polypropylene Fibre
Reinforced Concrete”**

submitted

to

SHIVAJI UNIVERSITY, KOLHAPUR .
IN PARTIAL FULFILMENT OF THE DEGREE

BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING

by

Ms. SHRADDHA GAUTAM GHOLAP

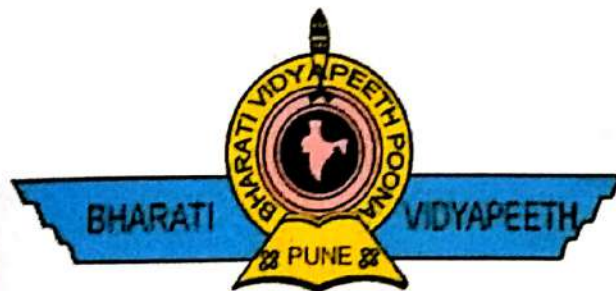
Mr. RAVINDRA MANOHAR KAKADE

Ms. SHIVANI BAJIRAO KHOT

Mr. MOHAMMADASIM NAUSHAD MUJAWAR

under the guidance of

Prof. M.M.MORE

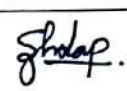

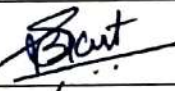



DEPARTMENT OF CIVIL ENGINEERING
BHARATI VIDYAPEETHS COLLEGE OF ENGINEERING, KOLHAPUR.
2021-2022

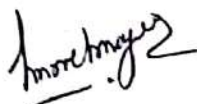
CERTIFICATE

This is to certify that the project report entitled
**“Experimental Study of Hybrid Steel-Polypropylene Fibre
Reinforced Concrete”**

Submitted by

Roll No.	PRN No	Name of Student's	
15	2019086225	Ms.Shraddha Gautam Gholap	
77	2019086265	Mr.Ravindra Manohar Kakade	
79	2019086273	Ms.Shivani Bajirao Khot	
81	2019086252	Mr.Mohammadasim Naushad Mujawar	

is a bonafied work carried out by the above mentioned students under the guidance of prof. M. M. More has been completed successfully.



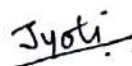
Project Guide

(Prof.M.M.More)



Head of Department

(Prof. V.S.Kadam)



External Examiner



Principal

(Dr. V.R. Ghorpade)

Date: 15/07/2022

Place: Kolhapur



REF NO: 314/2021

DATE: 18/07/2021

To,
The Principal,
Bharati Vidyapeeth's College of Engineering, Kolhapur.

Subject: Financial assistance for the project titled **COMPARATIVE STUDY ON STRENGTH ENHANCEMENT OF CONCRETE USING RUBBER CRUMB, MAGNETIZED AND NORMAL WATER.**

Dear Sir,

This is to inform that our company is sponsoring the final year student project of Civil Engineering department which is titled **COMPARATIVE STUDY ON STRENGTH ENHANCEMENT OF CONCRETE USING RUBBER CRUMB, MAGNETIZED AND NORMAL WATER.** With maximum amount/ expenses of **Rs.15,000/- (Rs. Fifteen Thousand Only)**. The sponsorship will be in terms of purchase of project materials such as cement, sand, aggregate and adhesive/ chemical also Project testing cost, site visit and expert resources. The amount to be utilized for the above project and during the academic year 2021-22 only. The duration for completion of project will be one year. Kindly allow the following group of students to work under the Guidance/ Principal investigator of P.J.Jadhav, Assistant professor Bharati Vidyapeeth's College of Engineering, and Kolhapur.

- 1 Mahajan Gaurav Ramesh
- 2 Adnaik Ayush Yashwant
- 3 Sawant Gaurav Balaso

Kindly consider this as sanction letter; this is for your information and further needful action
Thanks and Regards

Proprietor





**BHARATI VIDYAPEETH'S COLLEGE OF
ENGINEERING, KOLHAPUR**



**DEPARTMENT OF CIVIL ENGINEERING
Final Year Civil CBCS B.Tech.
Project On:**

**“COMPARATIVE STUDY ON STRENGTH
ENHANCEMENT OF CONCRETE USING RUBER CRUMB,
MAGNETIZED AND NORMAL WATER”**

PRESENTED BY

Sr. No	Name of Students	Roll No
1	Gaurav Ramesh Mahajan	34
2	Ayush Yashwant Adnaik	72
3	Gaurav Balaso Sawant	84




Under The Guidance of : Prof P. J. Jadhav
Academic Year : 2021-2022

CERTIFICATE

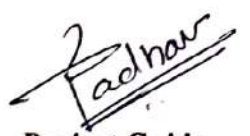
This is to certify that the project report entitled

“COMPARATIVE STUDY ON STRENGTH ENHANCEMENT OF CONCRETE USING RUBER CRUMB, MAGNETIZED AND NORMAL WATER”


Submitted by

Roll No.	PRN No	Name of Student's
34	2019086230	Gaurav Ramesh Mahajan 
72	2019087957	Ayush Yashwant Adnaik 
84	2019086239	Gaurav Balaso Sawant 

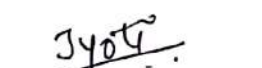
is a bonafied work carried out by the above mentioned students under the guidance of
Prof. P. J. Jadhav has been completed successfully.




Project Guide
(Prof. P. J. Jadhav)




Project Co-ordinator
(Prof. N. A. Mohite)



External Examiner



Head of Department
(Prof. V. S. Kadam)



Principal
(Dr. V. R. Ghorpade)

Date: 15-7-22

Place: Kolhapur



TIRUPATI ENTERPRISES

Reg. Off. : F - 7, Sankalp Apartment, Bhoir Colony, Chinchwad,
Pune -33. ☎:(020) 2745 9225 Email-tirupatipune@yahoo.co.in
Branch Off.: Office No. 101, Rhea Apartment, 5, Aundh-Khadki
Road, Khadki, Pune-20 ☎:(020) 25812252 Mob: 9890281157

Authorised Dealers in Electrical & Electronics testing & measuring instruments,
Dealers for all types of Electrical & Electronics goods

REF No. TE/LAT/2021-22/11

Date: 11/10/2021

To,
The Principal
Bharati Vidyapeeth's College of Engineering, Kolhapur

Subject: Financial Assistance for the project titled "VOICE BASED DISPLAYING BOARD FOR PUBLIC AREA".

Dear Sir,

This is to inform that our company is providing permission for doing project of final year student of Electronics and Telecommunication Engineering department which is titled **"Voice Based Displaying board for public area"** with maximum amount/ expenses of **Rs.46,200/- Rs. Forty Six Thousand Two Hundred Only.** As per the policy we provide good resources and material for successful completion of project during the academic year 2021-2022.

Following students will be working on project

1. Ms. Pratiksha Vijay Naik
2. Ms. Prajakta Ramchandra Desai
3. Ms. Aishwarya Narayan Powar

Under the Guidance/ Principal investigator: Ms. Priyadarshani S.Mali, Assistant Professor Bharati Vidyapeeth's College of Engineering, Kolhapur.

Thanking you.
Yours faithfully,



(FOR TIRUPATI ENTERPRISES).
Jaydip B. Shelke
9890281157
(Email: tirupatipune@yahoo.co.in)



A

PROJECT REPORT ON

“VOICE BASED DISPLAYING BOARD FOR PUBLIC AREA”

SUBMITTED TO THE SHIVAJI UNIVERSITY, KOLHAPUR
IN THE PARTIAL FULFILMENT OF REQUIREMENTS
FOR THE AWARD OF THE DEGREE

OF

BACHELOR OF TECHNOLOGY

IN

**ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SUBMITTED BY**

Miss. Pratiksha Vijay Naik

Roll No.38

Miss. Prajakta Ramchandra Desai

Roll No.08

Miss. Aishwarya Narayan Powar

Roll No.58

UNDER THE GUIDENCE OF

Prof. Mrs. P. S. Mali

DEPARTMENT OF

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

NEAR CHITRANAGARI KOLHAPUR-416013

2021-2022



**BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR**

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that, project report entitled, "*Voice Based Displaying Board For Public Area*" submitted by Miss. Pratiksha V. Naik, Miss. Prajakta R. Desai and Miss. Aishwarya N. Powar is bonafide work carried out by them under the guidance of Prof. Mrs. P. S. Mali and it is approved for partial fulfillment of the requirement of the Shivaji University, Kolhapur for the award of the Bachelor's Degree of Engineering in Electronics and Telecommunication Engineering


Prof. Mrs. P. S. Mali

GUIDE


Dr. K.R. Desai

H.O.D.


Dr. V. R. Ghorpade.

PRINCIPAL

DATE: / / 2022

PLACE: - KOLHAPUR

REF NO: 314/2021

DATE: 18/07/2021

To,
The Principal,
Bharati Vidyapeeth's College of Engineering, Kolhapur.

Subject: Financial assistance for the project titled 'CONTRIBUTION OF ENCASED U-SHAPED AND FULLY WRAPPED WELDED WIRE MESH STRIPS IN RCC RECTANGULAR BEAM UNDER PURE TORSION.

Dear Sir,

This is to inform that our company is sponsoring the final year student project of Civil Engineering department which is titled CONTRIBUTION OF ENCASED U-SHAPED AND FULLY WRAPPED WELDED WIRE MESH STRIPS IN RCC RECTANGULAR BEAM UNDER PURE TORSION.". With maximum amount/ expenses of **Rs.14, 000/- (Rs. Fourteen Thousand Only).** The sponsorship will be in terms of purchase of project materials such as cement, sand, aggregate and adhesive/ chemical also Project testing cost, site visit and expert resources. The amount to be utilized for the above project and during the academic year 2021-22 only. The duration for completion of project will be one year. Kindly allow the following group of students to work under the Guidance/ Principal investigator of V.V.Mane, Assistant professor Bharati Vidyapeeth's College of Engineering, and Kolhapur.

- 1 Jadhawar Suraj Dattatray
- 2 Magdum Satyajeet Shivaji
- 3 Mulla Muntajir Mushtaq
- 4 Patil Anup Bapusaheb

Kindly consider this as sanction letter; this is for your information and further needful action

Thanks and Regards



Proprietor

**A
PROJECT REPORT
ON
"Contribution Of Encased U-Shaped And Fully Wrapped
Welded Wire Mesh Strips In RCC Rectangular Beam Under
Pure Torsion".**

**SUBMITTED
TO
SHIVAJI UNIVERSITY KOLHAPUR
IN PARTIAL FULFILMENT OF THE DEGREE**

**BACHELOR OF ENGINEERING IN CIVIL ENGINEERING
BY**

Mr. Jadhawar Suraj Dattatray

Mr. Patil Anup Bapusaheb

Mr. Magdum Satyajeet Shivaji

Mr. Mulla Muntajir Mushtaq

**Under the guidance of
Prof. V.V. Mane**



**DEPARTMENT OF CIVIL ENGINEERING
BHARATI VIDYAPEETHS COLLEGE OF ENGINEERING KOLHAPUR
2021-2022**

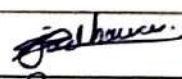
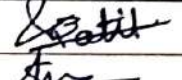
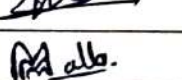
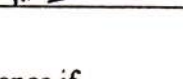
Department of Civil Engineering

CERTIFICATE

This is to certify that the project report entitled

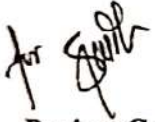
" Contribution Of Encased U-Shaped And Fully Wrapped Welded Wire Mesh Strips In
RCC Rectangular Beam Under Pure Torsion"

Submitted by

Roll No	PRN NO.	Name of student	Sign
20	2019086235	Jadhawar Suraj Dattatray	
55	2019086240	Patil Anup Bapusaheb	
80	2019086261	Magdum Satyajeet Shivaji	
82	2019086248	Mulla Muntajir Mushtaq	

is a bonafide work carried out by the above mentioned students under the guidance of

Prof. V.V. Mane and it has been completed successfully.



Project Guide
Examiner

(Prof. V.V. Mane)



Project Coordinator

(Prof. N.A. Mohite)



External



Head of Department

(Prof. V.S. Kadam)



Principal

(Prof. Dr. V. R. Ghorpade)

Date: 15/07/22

Place: Kolhapur



PIONEER CONSTRUCTION

(DESIGNER, BUILDER AND ARCHITECTURE)

230 Kabadge Vakhari Bhag Rakel Line, Sangli,
Maharashtra 416416.

Email ID: PCLconstruction@gmail.com

Ref: 101/2021

Date: 18/08/2021

To,
The Principal,
Bharati Vidyapeeth's College of Engineering, Kolhapur

Subject: Financial assistance for the project titled "EXPERIMENTAL STUDY OF HIGH PERFORMANCE CONCRETE WITH RICE HUSK ASH AND ARTIFICIAL SAND"

Dear Sir,

This is to inform that our company is sponsoring the final year student project of Civil Engineering department which is titled "EXPERIMENTAL STUDY OF HIGH PERFORMANCE CONCRETE WITH RICE HUSK ASH AND ARTIFICIAL SAND" with maximum amount/ expenses of **Rs.15,000/- (Rs. Fifteen Thousand Only)**. The sponsorship will be in terms of purchase of project materials such as cement, sand, aggregate and adhesive/ chemical also Project testing cost, site visit and expert resources. The amount to be utilized for the above project and during the academic year 2021-22 only. The duration for completion of project will be one year.

Kindly allow the following group of students to work under the Guidance/ Principal investigator of S.S.KOTWAL, Assistant professor Bharati Vidyapeeth's College of Engineering, Kolhapur.

- 1 Bhosale Chintamani Ashok
- 2 Gharal Omkar Anil
- 3 Kolhapure Aniket Nandkumar
- 4 Vankudre Raturaj Chandrakant
- 5 Yadav Rushikesh Shivaji

Kindly consider this as sanction letter; this is for your information and further needful action

Thanks and Regards

Proprietor

Experimental Study of High Performance Concrete With Rice Husk Ash And Artificial Sand

A
PROJECT REPORT

ON

**“Experimental study of high performance concrete with rice husk ash
and artificial sand”**

SUBMITTED

TO

SHIVAJI UNIVERSITY KOLHAPUR
IN PARTIAL FULFILMENT OF THE DEGREE

BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING

By

BHOSALE CHINTAMANI ASHOK
VANKUDRE RUTURAJ CHANDRAKANT
GHARAL OMKAR ANIL
YADAV RUSHIKESH SHIVAJI
KOLHAPURE ANIKET NANDKUMAR

Under the guidance of
Prof. S.S.KOTWAL



DEPARTMENT OF CIVIL ENGINEERING
BHARATI VIDYAPEETHS COLLEGE OF
ENGINEERING, KOLHAPUR

2021-2022

Department Of Civil Engineering

CERTIFICATE

This is to certify that the project report entitled

**“EXPERIMENTAL STUDY OF HIGH PERFORMANCE CONCRETE WITH
RICE HUSK ASH AND ARTIFICIAL SAND”**

Submitted by

Roll No.	PRN No	Name of Student's
06	2018086987	Chintamani Ashok Bhosale
68	2019086233	Ruturaj Chandrakant Vankudre
14	2019086270	Omkar Anil Gharal
85	2019086234	Rushikesh Shivaji Yadav
28	2016045379	Aniket Nandkumar Kolhapure

is a bonafied work carried out by the above mentioned students under the guidance of professor S.S.Kotwal has been completed successfully.

Project Co-ordinator
(Prof.N.A.Mohite)

Project Guide
(Prof.S.S.Kotwal)

External Examiner

Head of Department
(Prof.V.S.Kadam)

Principal
(Dr.V.R.Ghorpade)

Date: 15/07/2022

Place: Kolhapur



C&J CONSTRUCTION LLC

ROOFING AND SHEETMETAL

Jadhav House, 345, Bellasis Road, Mumbai Central,
Mumbai, Maharashtra 400008

Email ID: Cjconstruction@gmail.com

Ref: 214/2021

Date: 11/08/2021

To,
The Principal,
Bharati Vidyapeeth's College of Engineering, Kolhapur

Subject: Financial assistance for the project titled "ENCASEMENT OF INCLINED U-SHAPED AND FULLY SIDED WELDED WIREMESH STRIPS FOR RECTANGULAR BEAM UNDER PURE TORSION"

Dear Sir,

This is to inform that our company is sponsoring the final year student project of Civil Engineering department which is titled "ENCASEMENT OF INCLINED U-SHAPED AND FULLY SIDED WELDED WIREMESH STRIPS FOR RECTANGULAR BEAM UNDER PURE TORSION" with maximum amount/ expenses of **Rs.15,000/- (Rs. Fifteen Thousand Only)**. The sponsorship will be in terms of purchase of project materials such as cement, sand, aggregate and adhesive/ chemical also Project testing cost, site visit and expert resources. The amount to be utilized for the above project and during the academic year 2021-22 only. The duration for completion of project will be one year.

Kindly allow the following group of students to work under the Guidance/ Principal investigator of V.V.Mame, Assistant professor Bharati Vidyapeeth's College of Engineering, Kolhapur.

- 1 Gadgil Aniket Ratan
- 2 Jadhav Pranav Sunil
- 3 Karande Prathamesh Amol
- 4 Kumbhar Siddharth Shashikant
- 5 Magadum Amitkumar Dileep

Kindly consider this as sanction letter; this is for your information and further needful action

Thanks and Regards

Proprietor

A
PROJECT REPORT
ON

**“Encasement of Inclined U-shaped and Fully sided
Welded Wire Mesh strips for Rectangular Beam
Under Pure Torsion”**

SUBMITTED
TO

SHIVAJI UNIVERSITY KOLHAPUR,
IN PARTIAL FULFILMENT OF THE DEGREE

B.TECH
IN CIVIL ENGINEERING

Roll No.	Name of Student	PRN No.
12	Gadgil Aniket Ratan	2018086981
18	Jadhav Pranav Sunil	2018087024
27	Karande Prathamesh Amol	2018093037
29	Kumbhar Siddharth Shashikant	2018086975
33	Magadum Amitkumar Dileep	2016045361

Under the guidance of
Prof. V. V. Mane.



DEPARTMENT OF CIVIL ENGINEERING,
BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,
KOLHAPUR.
2021-2022

CERTIFICATE


This is to certify that the project report entitled


**"Encasement of Inclined U-shaped and Fully sided
Welded Wire Mesh strips for Rectangular Beam
Under Pure Torsion"**

Submitted by

Is a bonafied work carried out by the above mentioned students
under the guidance of **Pro. V. V. Mane**, has been completed
successfully.


Roll No.	Name of Student	PRN No.
12	Gadgil Aniket Ratan	2018086981
18	Jadhav Pranav Sunil	2018087024
27	Karande Prathmesh Amol	2018093037
29	Kumbhar Siddharth Shashikant	2018089675
33	Magadam Amitkumar Dileep	2016045361


Project Co-ordinator
Examiner (Prof.N.A.Mohite)


Project Guide
(Prof.V.V.Mane)


External


Head of Department
(Prof.V.S.Kadam)


Principal
(Dr.V.R.Ghorpade)

Date:

Place: Kolhapur



TIRUPATI ENTERPRISES

Reg. Off. : F - 7, Sankalp Apartment, Bhoir Colony, Chinchwad,
Pune -33. ☎:(020) 2745 9225 Email-tirupatipune@yahoo.co.in
Branch Off.: Office No. 101, Rhea Apartment, 5, Aundh-Khadki
Road, Khadki, Pune-20 ☎:(020) 25812252 Mob: 9890281157

Authorised Dealers in Electrical & Electronics testing & measuring instruments,
Dealers for all types of Electrical & Electronics goods

REF No. TE/LAT/2021-22/011

Date: 2/11/2021

The Principal

Bharati Vidyapeeth's College of Engineering, Kolhapur

Subject: "IOT IV Monitoring And Alert System".

Dear Sir,

This is to inform that we are sponsoring the final year student project guided by **Dr. K. R Desai** professor of Electronics and Telecommunication Engineering department titled "**IOT IV Monitoring And Alert System**" with amount of Rs.40,000/- (Rs. Forty Thousand Only) with the expectation that the sanctioned amount is to be utilized for the above project and during the academic year 2021-2022 only.

Name of Student working on project:

1. Ms. ANURADHA SHIVARAJ PATIL
2. Ms. APURVA AN IRUDHA JAWADEKAR
3. Ms. AISHWARYA IITENDRA PIMPALGAONKAR

This is for your kind information and further needful action

Thanking you.

Yours faithfully,



(FOR TIRUPATI ENTERPRISES).

Jaydip B. Shelke

9890281157

(Email: tirupatipune@yahoo.co.in)



A

PROJECT REPORT ON

“IOT IV Bag monitoring and alert system”

SUBMITTED TO THE SHIVAJI UNIVERSITY, KOLHAPUR

IN THE PARTIAL FULFILMENT OF REQUIREMENTS

FOR THE AWARD OF THE DEGREE

OF

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SUBMITTED BY

Ms. ANURADHA SHIVARAJ PATIL

ROLL No.44

Ms. APURVA ANIRUDHA JAWADEKAR

ROLL No. 20

Ms. AISHWARYA JITENDRA PIMPALGAONKAR ROLL No. 57

UNDER THE GUIDENCE OF

Dr. K. R. Desai

DEPARTMENT OF

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

NEAR CHITRANAGARI KOLHAPUR-416013

2021-2022



BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that, project report entitled, "*IOT IV Bag monitoring and alert system*" submitted by Ms. Aishwarya J. Pimpalgaonkar, Ms. Anuradha S. Patil, Ms. Apurva A. Jawadekar is bonafide work carried out by them under the guidance of Dr. K. R. Desai sir and it is approved for partial fulfillment of the requirement of the Shivaji University, Kolhapur for the award of the Bachelor's Degree of Engineering in Electronics and Telecommunication Engineering

Dr. K. R. Desai
H.O.D. And GUIDE

Dr. V. R. Ghorpade.
PRINCIPAL

DATE: 12/07/ 2022

PLACE: - KOLHAPUR

Updtd
External
Deep *patil*