



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
***Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar***

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005. Maharashtra  
Phone No :- 0241 -2568383 Unipune - ID CEGA019270 Fax No: - 0241 -2568384  
Email: ajmvps123@gmail.com, scsmcoe.anr@gmail.com, Website: www.scoea.org

Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

*2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences.*

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AhmednagarJilha Maratha VidyaPrasarakSamaj's

**ShriChhatrapatiShivajiMaharaj College of Engineering, Nepti, Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005. Maharashtra

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**1 Experiential Learning**

**Department of Mechanical Engineering**

**Internship Data for**

**Academic Year 2023-24**

Sr. No	Name of Student	Name of Company	Duration	Days
1	Autade Vaibhav Dilip	Toyo Engineering	10/12/2023-10/01/2024	31
2	Bhalerao Omkar Ankush	Varsha Forging ltd	18/12/2023-9/01/2024	22
3	Bhoyate Shubham Sanjay	Shivam Engineering works	18/12/2023-8/01/2024	38
4	Borse Amit Dhananjay	Saideep Engineers	11/12/2023-8/01/2024	31
5	Deotarase Saurabh Gokul	Shivam Engineering works	13/12/2023-11/01/2024	31
6	Jagdale Shriram Ashok	Klassic Wheels ltd	20/12/2023-18/01/2024	28
7	Jagtap Aryan Dipak	Dream Tek Plast	18/12/2023--17/01/2024	30
8	Joshi Tejas Sandip	Shri Ganesh Industries	5/01/2024-16/2/2024	41
9	Kadam Sunil Tukaram	Suyash Metal Pressings pvt.ltd	18/12/2023-18/01/2024	31
10	Kasar Sarthak Sunil	Sai Krupa Steel Corporation	20/12/202318/01/2024	29
11	Kiran Suryakant Dhamane	UKB Electronics pvt .ltd	25/01/2024-23/2/2024	29
12	Korde Mahesh Ratnakar	K Narayan Fusion Tech pvt.ltd	18/12/2023-15/01/2024	28
13	Kulkarni Rajat Kiran	VRDE ,Ahmednagar	25/1/2024-23/02/2024	29







Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

# Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

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Phone No :- 0241 -2568383 Unipune - ID CEG/A019270 Fax No: - 0241 -2568384

Email: ajmvps123@gmail.com, scsmcoe.anr@gmail.com, Website: www.scoe.org

Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

Sr. No	Name of Student	Name of Company	Duration	Days
14	Lande Shubham Dinkar	Privilege Biksons Boilers pvt. Ltd	18/12/2023-15/01/2024	28
15	Mahandule Narendra Anil	Sai Krupa Steel Corporation	20/12/2023-18/01/2024	29
16	Mulay Atharv Madhukar	Anant Hydro Engineers	15/12/2023-21/01/2024	37
17	Mulay Vedant Nitin	Saideep Engineers	18/12/2023-18/01/2024	31
18	Nemane Prafulla Kailas	Harshad Industries	12/12/2023-15/01/2024	34
19	Omkar Satish Harale	Shambhavi Enterprises	10/12/2023-10/01/2024	31
20	Pathade Prasad Bhausaheb	Shree Ganesh Industries	5/01/2024-16/2/2024	41
21	Sagar Bhujang Jadhav	Midea India pvt ltd	1/3/2024-30/3/2024	30
22	Sase Anurag Umakant	Klassic Wheels ltd	20/12/2023-18/01/2024	29
23	Shaikh Mohammad Muaaz Aslam	Atharva Engineering	5/3/2024-4/5/2024	30
24	Shaikh Sameer Sadik	AAM India Manufacturing Corporation Pvt.Ltd	14/01/2024-13/2/2024	30
25	Shinde Bhagyashri Chandrakant	AAM India Manufacturing Corporation Pvt.Ltd	18/12/2023-15/01/2024	28
26	Supekar Shubham Pandurang	Sai Krupa Steel Corporation	20/12/2023-18/01/2024	29
27	Thange Ketan Chandrakant	Saideep Engineers	11/12/2023-8/01/2024	28
28	Ukirde Om Anil	Sai Krupa Steel Pvt ltd	20/12/2023-18/01/2024	29





AhmednagarJiha Maratha VidyaPrasarakSamaj's

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Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To SavitribaiPhule Pune University.

Sr. No	Name of Student	Name of Company	Duration	Days
29	Waghmare Om Yogesh	Bhogle Engineering Works	11/12/2023-18/01/2024	38
30	Yene Aniket Ganesh	Shri Ganesh Industries	5/01/2024-16/2/2024	42
31	Nagude Shrikant Popat	Ashok Sahakari Sakhar Karkhana ltd. Ashoknagar	18/12/2023-17/01/2024	30
32	Shinde Tejaswini Mangesh	Wirtgen Group	18/12/2023-18/01/2024	31
33	Walke Nikhil Ramesh	Klassic Wheels ltd	20/12/2023-18/01/2024	29

*[Signature]*

Prof. Y. R. Rohamare  
Internship Coordinator

*[Signature]*

Prof. A.B. Kale  
HOD  
HOD

**Mechanical Department**  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar







## **Toyo Engineering india private limited**

Registered office: Toyo House LBS Marg  
Kanjurmarg (West) Mumbai – 400 078 INDIA  
Tel +91 22 5152 5657  
Email: in.contact@toyo-eng.com  
Website: www.toyo-eng.com

< Security Level 2 >

HCAD/HRD/2023-24/0846

### **TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr. Vaibhav Dilip Autade From Shri Chhatrapati Shivaji Maharaj College of Engineering Ahmednagar has undergone internship from 10<sup>th</sup> Dec, 2023 to 10<sup>th</sup> Jan, 2024 and has successfully completed internship in piping engineering department.

We wish him all the best for further ventures

For TOYO ENGINEERING PRIVATE LIMITED

**AUTHORIZED SIGNATORY**  
**HR**



# VARSHA FORGINGS LIMITED

CIN-U28910PN1988PLC048629

## TO WHOM SO EVER CONCERN

This is certified that **Mr. OMKAR ANKUSH BHALERAO** of **Shri Chhatrapati Shivaji Maharaj College Of Engineering Nepti** has successfully completed Internship In the role of Various Machining Process like drilling, cutting, knurling etc. at Varsha Forgings Limited.

**The Internship Start date was 18.12.2023 and end date was 09.01.2024 .**

During this period he was able to understand various machining operation and also perform it on various machines and also understand tool parameters regarding to various machining parts. During this period he shows skills in his work and he was extremely curious and hardworking.

His association with us was beneficial and we wish him all the best in his future endeavors.

For **Varsha Forgings Limited**

Proprietor

09/01/24

**Aurangabad Works** : Plot No. B-7, MIDC Waluj, Aurangabad, Maharashtra - 431136, India  
Tel.: +91 240 6617 204 / 205 / 215 / 219, Fax : +91 240 2554916

**Pune Works** : Gut No. 161, Mouje-Markal, Taluka-Khed, Dist. Pune - 415105  
Tel.: +91 2135 601000 / 1007

**Corporate Office** : 294, Sindh Society, Aundh, Pune, Maharashtra - 411007, India.  
E-mail: [marketing@varshaforgings.com](mailto:marketing@varshaforgings.com), Website: [www.varshaforgings.com](http://www.varshaforgings.com)

ISO/TS 16949  
BUREAU VERITAS  
Certification







# SHIVAM ENGINEERING WORKS

Er. Ranganath Nimbalkar      Contact No :- 9850649658

Address :- Plot No A-14/5 Opposite Siddhi Forge, MIDC,  
AHMEDNAGAR

Mail :- nimbalkar.shivamengineering@gmail.com      GSTIN :- 27AEMPNI799P1ZF

## MANUFACTURES OF ALL MACHINING

### CERTIFICATE

DATE :- 18/01/2024

This is certified that Mr. Shubham sanjay bhoyate of Shri.Chhatrapati shivaji maharaj college of engineering has successfully completed his internship in the role of various machining process like drilling,cutting,knurling etc. at Shivam Engineering Works.

The internship start date was 11dec 2023 and end date was 18jan 2024.

During this period he was able to understand various machining operations and also perform it on various machines and also understand tool parameters regarding to various machining parts. During this period he shows skills in his work and he was extremely curious and hardworking.

His association with us was beneficial and we wish him all the best in his future endeavours.

**Shivam Engineering Works**

  
Proprietor

Yours sincerely,

Er. RANGANATH NIMBALKAR



**SAIDEEP  
ENGINEERS**

Plot no. L-9, M.I.D.C.,

AHMEDNAGAR-414111. MOB. 8605914951.

**Mfg. Of All Types Of Trobe Components.**

Date : 08/01/2024.

## CERTIFICATE

This is to certify that **MR.AMIT DHANANJAY BORSE** a student of Engineering (Mechanical Engineering) from Shri Chhatrapati Shivaji Maharaj Collage Of Engineering, Ahmednagar. Worked under my supervision during his Internship Period from 11<sup>th</sup> December, 2023 to 08 January, 2024 and he worked at Trobe Machine . I am pleased to state that he worked hard in preparing this report And HR has been able to present a good picture of the concerned work. The Information and finding presented in the report seems to be authentic.

FOR SAIDEEP ENGINEERS

Authorised Signature.

**SAIDEEP ENGINEERS**  
MIDC, Ahmednagar - 41411  
Mob.No. 8605914951





# **SHIVAM ENGINEERING WORKS**

Er. Ranganath Nimbalkar

Contact No :- 9850649658

Address :- Plot No A-14/5 Opposite Siddhi Forge, MIDC, AHMEDNAGAR

Mail :- nimbalkar.shivamengineering@gmail.com

GSTIN :- 27AEMPNI799P1ZF

## **MANUFACTURES OF ALL MACHINING**

## **CERTIFICATE**

DATE:-11/01/2024

**This is certified that Mr. Saurabh Gokul Deotarse of Shri.Chhatrapati shivaji maharaj college of engineering has successfully completed his internship in the role of various machining process like drilling,cutting,knurling etc. at Shivam Engineering Works.**

**The internship start date was 13Dec 2023 and end date was 11Jan 2024.**

**During this period he was able to understand various machining operations and also perform it on various machines and also understand tool parameters regarding to various machining parts. During this period he shows skills in his work and he was extremely curious and hardworking.**

**His association with us was beneficial and we wish him all the best in his future endeavours.**

**Yours sincerely,**

**Er. RANGANATH NIMBALKAR**

**Shiyam Engineering Works**

**Proprietor**



# Klassic Wheels Limited (Unit-3)

(CIN : U29119PN1994PLC080196)

A-3, M.I.D.C. Area, Ahmednagar, Maharashtra, India 414111.

Tel. No. : 0241-2419013/2450784, E-mail : info@klassicwheels.com

Ref.No. KWL/III/2024

Date: 19/01/2024.

## WHOM SO EVER IT MAY BE CONCERN

This is to certify that **Mr. SHRIRAM ASHOK JAGDALE**, Third year Engineering student of SCSMCOE Nepti Ahmednagar has completed an internship from the 20<sup>th</sup> Dec 2023 to 18<sup>th</sup> Jan 2024 with Klassic Wheels Ltd Unit 3.

He has gained experience in Quality functions at machine shop in this time period. His performance during this period with us has been highly satisfactory. We wish him all the best for his future endeavours.

Yours Truly,

For Klassic Wheels Ltd

(Authorised Signature)





# Dream Tek Plast

Plastic Packaging Company

Gut no 126, waluj MIDC, Sambhajinagar, (MH) 431136

GSTIN.:27CYPN7351C1ZD

Date- 19/01/2024

## CERTIFICATE

To whomsoever it may Concern

This is to certify that Mr. ARYAN DIPAK JAGTAP, a student of B.E (Mechanical Engineering) from Chhatrapati Shivaji Maharaj College of engineering, Ahemadnagar has undergone In-Plant training in our organisation as a part of his course curriculum , during the period from 18 Dec 2023 to 17 Jan 2024.

During this course of his training, he was regular and hard working.

We wish him all the best in his future.

DREAM TEK PLAST

PROPRIETOR

Authority Signatory

**Manufacturers of :** • All types of Dies • Pr. Tools / Jigs / Fixtures • Press Components • Fabricated Asslys  
• Design & development of tools / tooling • VMC/CNC/HMC/Machining

Date: 18/01/2024

## CERTIFICATE

This is to certify that MR. SUNIL TUKARAM KADAM a student of Mechanical Engineering from Shri Chhatrapati Shivaji Maharaj Collage Of Engineering, Ahmednagar. Worked under my supervision during his Internship Period from 18/12/2023 to 18/01/2024 and he worked hard in preparing this report and HR has been able to present a good picture of the concerned work. The information and finding presented in the report seems to be authentic.



For Suyash Metal Pressings Pvt. Ltd

Authorized Signature





# SAI KRUPA STEEL CORPORATION

Expert - CNC Profile Cutting MS, C-45 & Alloy & Non Alloy Steel.

Plot No- T-165/1/23, Priyadarshani Mahila swayamrojgar Ind. Premises, Opp. MIDC Post Office,  
Near Gujar Gas Agency, M.I.D.C. Bhosari, Pune- 26. Mob. : 9890522322, 9970169457 E-Mail : sai.krupa2007@gmail.com

Ref.no. SKTC/102/2024

date – 19/01/2024

## WHOM SO EVER IT MAY BE CONCERN

This is to certify that Mr. Sarthak Sunil Kasar Third year Engineering student of SCSMCOE Nepti Ahmednagar has completed an internship from the 20 Dec 2023 to 18 Jan 2024 with Saikrupa steel corporation.

He has gained experience in Quality functions at machine shop in this time period. His performance during this period with us has been highly satisfactory. We wish him all the best for his future endeavours.

Yours Truly,

For saikrupa steel corporation



*Sarthak*

( Authorised Signature )



**UKB ELECTRONICS Pvt Ltd**

## **CERTIFICATE**

This is to certify that **Mr. Kiran Suryakant Dhamane**, student of Shri Chhatrapati Shivaji Maharaj Collage of Engineering, Nepti, has completed the Internship at UKB ELECTRONICS Pvt Ltd, Karegaon from 25<sup>th</sup> Jan 2024 to 23<sup>rd</sup> Feb 2024.

Thank you for his dedicated service and contributions to UKB ELECTRONICS Pvt Ltd .

Place: Karegaon, Pune

Date : 29th Feb 2024



Guide Name :- Shri. Shrikisan Shejul



K.NARAYAN  
**FUSION TECH PVT LTD**

PLOT NO 271,SECTOR NO 10,PCNTDA ,BHOSARI MIDC,PUNE-411039.

Date: 15/01/2024

**INTERNSHIP CERTIFICATE TO WHOM IT  
MAY CONCERN**

This is certified that Mr. Mahesh Ratnakar Korde a student of the Mechanical Engineering (Third Year), Shree Chhatrapati Shivaji Maharaj College of Engineering , Nepti. has successfully complete four weeks from 18 December 2023 to 15 January 2024 long internship program at K. Narayan Fusion Tech Pvt. Ltd this company during the period of his internship program with us he was found punctual, hardworking, diligent and inquisitive.

We Wish him every success in life.....







भारत सरकार

GOVERNMENT OF INDIA

रक्षा मंत्रालय, रक्षा अनुसंधान तथा विकास संगठन  
MINISTRY OF DEFENCE, R&D ORGANISATION

वाहन अनुसंधान तथा विकास स्थापन

अहमदनगर

VEHICLES RESEARCH & DEVELOPMENT ESTT  
AHMEDNAGAR

*Certificate*

This is to certify that **Mr. Rajat Kiran Kulkarni**, student of Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti has completed the Internship Work on Topic "Design of Tilting Mechanism" at Vehicles Research and Development Establishment, Ahmednagar from 25<sup>th</sup> Jan 2024 to 23<sup>rd</sup> Feb 2024.

**Guide Name :- Shri. VV Rokade, Sc 'F'**

Place: VRDE, AHMEDNAGAR  
Date: 29<sup>th</sup> Feb 2024  
SY.No - 04/2024



*B. Ramen*

Sc 'F'

(RAMESH B)

FOR DIRECTOR, VRDE



406, Kankar Estate, New Delhi 110014  
Company, Kankar Estate, New Delhi 110014  
MSD India, Ph: +91 20 24432270 / 41241096  
privilegebiksons@gmail.com | www.privilegebiksons.com



## PRIVILEGE BIKSONS BOILERS PVT. LTD

### COMMERCIAL HEATING SOLUTIONS

#### MANUFACTURERS OF

- EPC, Cogen Plants for Sugar & Distilleries
- EPC, Sugar Plants & Distilleries
- Steam Waste Incineration Boilers
- Boilers & Pressure Vessels
- Boiler Upgradation/Modification
- Pressure Parts for Sugar Cycles Boilers
- Economizers & Superheaters
- Steam Pipe Line As per IBR 1950

Date 15/01/2024

### INTERNSHIP CERTIFICATE TO WHOM IT MAY CONCERN

This is certified that Mr. Shubham Dinkar Lande a student of the Mechanical Engineering (third year), Shree Chhatrapati Shivaji Maharaj College of engineering has successfully complete four weeks from 18 December 2023 to 15 January 2024 long internship program at Privilege Biksons Boilers Pvt.Ltd this company during the period of his internship program with us he was found punctual, hardworking, diligent and inquisitive.

We wish him every success in life.....

For Privilege Bikson's Boilers Pvt.Ltd.



  
Authorised signature

# SAI KRUPA STEEL CORPORATION

Expert - CNC Profile Cutting MS, C-45 & Alloy & Non Alloy Steel.

Plot No- T-165/1/23, Priyadarshani Mahila swayamrojgar Ind. Premises, Opp. MIDC Post Office,  
Near Gujar Gas Agency, M.I.D.C. Bhosari, Pune- 26. Mob. : 9890522322, 9970169457 E-Mail : sai.krupa2007@gmail.com

Ref.no. SKTC/103/2024

date – 19/01/2024

## WHOM SO EVER IT MAY BE CONCERN

This is to certify that Mr. Narendra Anil Mahandule Third year Engineering student of SCSMCOE Nepti Ahmednagar has completed an internship from the 20 Dec 2023 to 18 Jan 2024 with Saikrupa steel corporation.

He has gained experience in Quality functions at machine shop in this time period. His performance during this period with us has been highly satisfactory. We wish him all the best for his future endeavours.

Yours Truly,

For saikrupa steel corporation

  
( Author's signature )





# ANANT HYDRO ENGINEERS L L P

FACT:D-36, MIDC AHMEDNAGAR 414 111 CONTACT:-FACT:2777440,2778440

E-mail: [ananthhydroeng@gmail.com](mailto:ananthhydroeng@gmail.com), [enquiry@anantengg.com](mailto:enquiry@anantengg.com),

Web:-[www.anantengg.com](http://www.anantengg.com)

AN ISO 9001:2015 CERTIFIED COMPANY



Date – 25/01/2024

## CERTIFICATE OF INTERNSHIP COMPLETION

This to certify that **Mulay, Atharv Madhukar** has successfully completed the **Internship** from 15-Dec-2024 to 21-Jan-2024 with **Anant Hydro Engineers LLP, Ahmednagar Plant** as an **Intern**. The performance and behaviour of the candidate was found satisfactory during the Internship, and we wish the candidate all the best for all the future endeavours.

For Anant Hydro Engineers LLP.

**Prafulla Natu**

**Director/ Partner Anant Hydro Engineers LLP**



For Anant Hydro Engineers LLP





Date : 18/01/2024.

## CERTIFICATE

This is to certify that **MR.VEDANT NITIN MULAY** a student of Engineering (Mechanical Engineering) from Shri Chhatrapati Shivaji Maharaj Collage Of Engineering, Ahmednagar. Worked under my supervision during his Internship Period from 18<sup>th</sup> December,2023 to 18 January,2024 and he worked at Trobe Machine . I am pleased to state that he worked hard in preparing this report And HR has been able to present a good picture of the concerned work. The Information and finding presented in the report seems to be authentic.

FOR SAIDEEP ENGINEERS

Authorized Signature.

  
**SAIDEEP ENGINEERS**  
MIDC, Ahmednagar - 414111  
Mob No 8605914951



**SHAMBHAVI  
ENTERPRISES**  
Key Of Everything



**SHAMBHAVI ENTERPRISES**

LEI Code: 89450028DCYZ9J531V21  
GST NO: 27BPZPK5370J1Z2

EPC/RCMC REG NO. FIEO/WR/26109/2021-2022/1348 IEC : BPZPK5370J

Date : 11/01/2024

## **CERTIFICATE**

### **TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Mr. Omkar Satish Harale**, Student of Shri Chhatrapati Shivaji Maharaj College Of Engineering, Nepti, Ahmednagar has carried out an internship with Shambhavi Enterprises. The Period of the study was from **10<sup>th</sup> December 2023** to **10<sup>th</sup> January 2024**.

During his Internship he has Demonstrated his skills with self motivation to learn new skills. His Performance exceeded our expectation and he was able to complete the project on time.

This certificate is issued on his request without any liability & responsibility or any engagement on our part.

We wish him all the best for his upcoming career.

**For Shambhavi Enterprises.**

*[Handwritten Signature]*  
11/01/24



Manager HR

Registered Address: Nathchhaya, Kapare Mala, Sonewadi Road, Kedgaon, Ahmednagar – 414 005.

Mobile no. 9572486999, 9922338456, Email – [chandan.kapare@gmail.com](mailto:chandan.kapare@gmail.com), [chandan.kapare@shambhavigroup.in](mailto:chandan.kapare@shambhavigroup.in)

Please visit our website – [www.shambhavigroup.in](http://www.shambhavigroup.in)





# SHREE GANESH INDUSTRIES

P-41/42, VISHWAS ROADLINES, M.I.D.C  
AREA, AHMEDNAGAR – 414111  
Email – raosahebktkar@gmail.com  
Cell No. 9822886102, 8888659696

Specialist In: Cutting Dies, Press Part Dies, CNC Wire Cutting Jigs & Fixtures Progressive Dies, High Speed Dies, Plastic Mould.

## INTERNSHIP COMPLETION CERTIFICATE TO WHOMSOEVER IT MAY CONCERN

**Mr. Prasad Bhausaheb Pathade**

**Date : 17th February 2024**

This is to certify that Mr. Prasad Bhausaheb Pathade, A Student of Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar has done his internship in Die Making at Shree Ganesh Industries, Ahmednagar Branch, from 5th January 2024 to 16th February 2024.

During the internship tenure, Prasad actively participated in various aspects of die production under the guidance of experienced professionals. They demonstrated a strong willingness to learn and adapt to the dynamic environment of the industry. Their contributions and dedication significantly added value to our operations.

We hereby acknowledge Prasad commitment to learning and congratulate them on the successful completion of their internship program. We extend our best wishes for their future endeavors in the field of die production.

His performance exceeded our expectations and he was able to complete the projects on time.

We wish him all the best for his future career.

**Student Sign**



**From Shree Ganesh Industries  
Raosaheb Kotkar**



**MIDEA INDIA PRIVATE LIMITED**

Plot No. A-4, MIDC SUPA Part-2,  
Taluka Parner, Dist. Ahmednagar  
Maharashtra (INDIA) 414 301

Date: 07-05-2024

**TO WHOM IT MAY CONCERN**

Certified that Mr. Sagar Bhujang Jadhav has successfully completed his 04 Week of Inplant Training in Production Department from 01<sup>th</sup> March 2024 to 30<sup>th</sup> March 2024

During the training period, his character and conduct were very good. We wish him a successful and good career.

For,

**Midea India Pvt Ltd**

**Mr. Subhash S Todkar**

**Senior Manager Human Resources**



# Klassic Wheels Limited (Unit-3)

(CIN : U29119PN1994PLC080196)

A-3, M.I.D.C. Area, Ahmednagar, Maharashtra, India 414111.

**Tel. No. :** 0241-2419013/2450784, **E-mail :** info@klassicwheels.com

Ref.No. KWL/III/2024

**Date:** 19/01/2024.

## WHOM SO EVER IT MAY BE CONCERN

This is to certify that **Mr. ANURAG UMAKANT SASE**, Third year Engineering student of SCSCMCOE Nepti Ahmednagar has completed an internship from the 20<sup>th</sup> Dec 2023 to 18<sup>th</sup> Jan 2024 with Klassic Wheels Ltd Unit 3.

He has gained experience in Quality functions at machine shop in this time period. His performance during this period with us has been highly satisfactory. We wish him all the best for his future endeavours.

**Yours Truly,**

**For Klassic Wheels Ltd**

(Authorised Signature)







# ATHARVA ENGINEERING

📍 G-40, M.I.D.C., Ahmednagar 414 111. ☎ (0241)-2777405  
✉ smrutijoshi9@gmail.com / mangeshmirikar@atharvaengg.in  
🌐 www.atharvaengg.in | GST No.: 27AAGFA7380M1Z0

09<sup>th</sup> May 2024

This is to certify that Mast. Sheikh Muaaz Mohammed student of 3<sup>rd</sup> year of Bachelor of Engineering in Mechanical Engineering (BE—Mechanical) of Ch. Shivajimaharaj College of Engineering Nepti Ahmednagar worked as an Intern with us in our machining facility and has completed his internship program. He worked with us from 05<sup>th</sup> of March 2024 to 4<sup>th</sup> of May 2024. He has undergone training on all our machining processes, inspection processes as well he has worked on some of the projects.

He worked on the projects stipulated to him as below :

- 1) Reduction of Operator fatigue during the " Assembly of Copper Links " being supplied to our customers
- 2) Optimization of transportation system for the input material
- 3) Designing, outsourcing and implementing new pallets required for material handling for the WIP on the shop floor.
- 4) Streamlining the Inspection process for Shafts and Coupling Hubs. Development of new inspection rings and Gauges for inspection for accuracy in measurement.

He was found to be Punctual, Sincere and Hardworking during his internship program. We wish him all the very best for his further education and a bright career ahead.

For Atharva Engineering

  
Sunil Mulay

Operations Incharge



**INDIA**

AAM India Manufacturing Corporation Pvt. Ltd.

20<sup>th</sup> February 2024**Internship Letter**

This is to certify that Mr. Sameer Shaikh, Third Year student of Chhatrapati Shivaji Maharaj Collage Of Engineering, has successfully completed internship in the field of Mechanical Engineering. He has worked on a project titled Manufacturing Process of Axle from 14<sup>th</sup> January 2024 to 13<sup>th</sup> February 2024 under the guidance of all Department members.

During this period of his internship program with us, He had been exposed to different processes and was found diligent, hardworking, and inquisitive.

We wish him every success in his life and career.

Thank you,

For, AAM India Manufacturing Corporation Pvt Ltd.,

**Pravin Bhalerao**

Registered Office and Plant Address:  
Gat No. 787 & 788, Village Hunga,  
Taluka Parner, Ahmednagar- 414301,  
Maharashtra, India.

Ph.: +91 (02488) 302225

Website: [www.aam.com](http://www.aam.com)

Email: [AAMIndiacommunications@aam.com](mailto:AAMIndiacommunications@aam.com)

CIN: U34300PN2008FTC131616

**Delivering  
POWER.**

**INDIA**

AAM India Manufacturing Corporation Pvt. Ltd.

Date-20/01/2024

**Internship Letter**

This is certified that Miss. Bhagyashri Shinde, Third Year student of Chhatrapati Shivaji Maharaj College of Engineering, has successfully completed internship in the field of Mechanical Engineering from 18<sup>th</sup> December 2023 to 15<sup>th</sup> January 2024 under the guidance of Mr. Sunil Patil.

During this period of her internship program with us, she had been exposed to different processes and was found diligent, hardworking, and inquisitive.

We wish her every success in her life and career.

Thank you,

For AAM INDIA Manufacturing Corporation Pvt Ltd

**Pravin Bhalerao**

**Associate Manager – HR**

Registered Office and Plant Address:

Gat No. 787 & 788, Village Hunga,  
Taluka Parner, Ahmednagar- 414301,  
Maharashtra, India.

Ph.: +91 (02488) 302225

Website: [www.aam.com](http://www.aam.com)

Email: [AAMindiacommunications@aam.com](mailto:AAMindiacommunications@aam.com)

CIN: U34300PN2008FTC131616

**Delivering  
POWER.**



# SAI KRUPA STEEL CORPORATION

Expert - CNC Profile Cutting MS, C-45 & Alloy & Non Alloy Steel.

Plot No- T-165/1/23, Priyadarshani Mahila swayamrojgar Ind. Premises, Opp. MIDC Post Office,  
Near Gujar Gas Agency, M.I.D.C. Bhosari, Pune- 26. Mob. : 9890522322, 9970169457 E-Mail : sai.krupa2007@gmail.com

Ref.no. SKTC/103/2024

date – 19/01/2024

## WHOM SO EVER IT MAY BE CONCERN

This is to certify that Mr. Shubham pandurang supekar Third year Engineering student of SCSMCOE Nepti Ahmednagar has completed an internship from the 20 Dec 2023 to 18 Jan 2024 with Saikrupa steel corporation.

He has gained experience in Quality functions at machine shop in this time period. His performance during this period with us has been highly satisfactory. We wish him all the best for his future endeavours.

Yours Truly,

For saikrupa steel corporation



( Authorised Signature )

*31/01/24*



**SAIDEEP  
ENGINEERS**

Plot no. L-9,M.I.D.C.,

AHMEDNAGAR-414111. MOB. 8605914951.

**Mfg. Of All Types Of Trobe Components.**

Date : 08/01/2024.

## CERTIFICATE

This is to certify that **MR.KETAN CHANDRAKANT THANGE** a student of Engineering(Mechanical Engineering) from Shri Chhatrapati Shivaji Maharaj Collage Of Engineering, Ahmednagar. Worked under my supervision during his Internship Period from 11<sup>th</sup> December,2023 to 08 January,2024 and he worked at Trobe Machine . I am pleased to state that he worked hard in preparing this report And HR has been able to present a good picture of the concerned work. The Information and finding presented in the report seems to be authentic.

FOR SAIDEEP ENGINEERS

Authorized Signature.

**SAIDEEP ENGINEERS**  
MIDC, Ahmednagar - 414111  
Mob.No. 8605914951

## **INTERSHIP COMPLETION CERTIFICATE TO WHOMSOEVER ITMAY CONCERN**

**Mr. Prafulla Kailas Nemane**

**Date:- 18/01/2024**

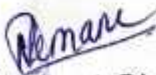
This is to certify that Mr. Prafulla Kailas Nemane, A Student of Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar has done his internship in Die Making at Harshad Industries M.I.D.C. Ahmednagar Branch, from 12/12/2023 to 15/01/2024.

During the internship tenure, Prafulla actively participated in various aspects of die production under the guidance of experienced professionals. They demonstrated a strong willingness to learn and adapt to the dynamic environment of the industry, Their contributions and dedication significantly added value to our operations.

We hereby acknowledge Prafulla commitment to learning and congratulate them on the successful completion of their internship program. We extend our best wishes for their future endeavors in the field of die production.

His performance exceeded our expectations and he was able to complete the projects on time.

We wish him all the best for his future career.

  
Student Sign



**Harshad Industries**  
HR Manager



# SAI KRUPA STEEL CORPORATION

Expert - CNC Profile Cutting MS, C-45 & Alloy & Non Alloy Steel.

Plot No- T-165/1/23, Priyadarshani Mahila swayamrojgar Ind. Premises, Opp. MIDC Post Office,  
Near Gujar Gas Agency, M.I.D.C. Bhosari, Pune- 26. Mob. : 9890522322, 9970169457 E-Mail : sai.krupa2007@gmail.com

Ref.no. SKTC/103/2024

date – 19/01/2024

## WHOM SO EVER IT MAY BE CONCERN

This is to certify that Mr.Om Anil Ukirde Third year Engineering student of SCSMCOE Nepti Ahmednagar has completed an internship from the 20 Dec 2023 to 18 Jan 2024 with Saikrupa steel corporation.

He has gained experience in Quality functions at machine shop in this time period. His performance during this period with us has been highly satisfactory. We wish him all the best for his future endeavours.

Yours Truly,

For saikrupa steel corporation



*Om Anil Ukirde*

( Authorised Signature )



# SHREE GANESH INDUSTRIES

P-41/42, VISHWAS ROADLINES, M.I.D.C  
AREA, AHMEDNAGAR - 414111  
Email - raosahebktkar@gmail.com  
Cell No. 9822886102, 8888659696

Specialist In: Cutting Dies, Press Part Dies, CNC Wire Cutting Jigs & Fixtures Progressive Dies, High Speed Dies, Plastic Mould.

## INTERNSHIP COMPLETION CERTIFICATE TO WHOMSOEVER IT MAY CONCERN

**Mr. Aniket Ganesh Yene**

**Date : 17th February 2024**

This is to certify that Mr. Aniket Ganesh Yene, A Student of Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar has done his internship in Die Making at Shree Ganesh Industries, Ahmednagar Branch, from 5th January 2024 to 16th February 2024.

During the internship tenure, Aniket actively participated in various aspects of die production under the guidance of experienced professionals. They demonstrated a strong willingness to learn and adapt to the dynamic environment of the industry. Their contributions and dedication significantly added value to our operations.

We hereby acknowledge Aniket commitment to learning and congratulate them on the successful completion of their internship program. We extend our best wishes for their future endeavors in the field of die production.

His performance exceeded our expectations and he was able to complete the projects on time.

We wish him all the best for his future career.

**Student Sign**



**From Shree Ganesh Industries  
Raosaheb Kotkar**



पो. अशोकनगर  
तालुका : श्रीरामपूर  
जिल्हा : अहमदनगर  
(महाराष्ट्र)  
पिन: ४१३ ७१७

**अशोक**  
सहकारी साखर  
कारखाना लि.  
अशोकनगर



**ASHOK**  
SAHAKARI SAKHAR  
KARKHANA LTD.  
ASHOKNAGAR

P.O. ASHOKNAGAR  
TAL. : SHRIRAMPUR  
DIST. : AHMEDNAGAR  
(MAHARASHTRA)  
PIN : 413 717

☎ (02422) 246491, 246492, 246493, 246685, 246686  
FAX : 02422 - 246493, E-Mail: ashokssk\_anr@yahoo.co.in

## C E R T I F I C A T E

This is to Certify that **Mr. Shrikant Popat Nagude**  
Student of **Shri Chhatrapati Shivaji Maharaj College of**  
**Engineering Nepti, Ahmednagar** persuing "**Mechanical**  
**Engineering**" has completed Internship Programme  
satisfactory in our organization. During the tenure of his  
Internship Programme the necessary information and guide  
line extended to him.

He has completed the Internship Programme in  
"**Engineering Dept.**" on **18<sup>th</sup> December 2023** to  
**17<sup>th</sup> January 2024** Successfully.



  
**Labour Officer**

**Ashok Sah. Sakhar Karkhana Ltd.**  
**Ashoknagar**

Date : 16/08/2024

Place : ASHOKNAGAR.



श्रम ही आमची प्रतिष्ठा । सहकार हेच आमचे वैभव ॥  
घरणे बंधारे ही आमची मंदिरे । पाणी हेच आमचे देवत ॥





<b>PRAVIN KOKATE &amp; ASSOCIATES</b>
<b>Structural Consultant, Chartered Engineer, Approved Valuer</b>
Er. Pravin Pandurang Kokate [M.E. Structure, B.E. Civil, AMIE, AIV, ISSE, DME]
Office-Elora Apartment, Poonam-Moti Nagar, Kothi Road, Ahmednagar Mob. 9021592499

PK/2024/APR/09

DATE-19/04/2024

## CERTIFICATE

This is to Certify that Mr. Anhad Rishikesh Vijay student of TE (Civil) has Completed Industrial Training at **Pravin Kokate and Associates** from 20th Dec 2023 to 18th Jan 2024 for partial fulfillment towards Completion of Bachelor Degree in Civil Engineering from Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar.



  
**Pravin Kokate & Associates**  
 Structural Consultant, Chartered Engineer  
 Approved Valuer, Consulting Civil Engineer

# SAURABH CONSTRUCTIONS

CIVIL ENGINEER & CONTRACTOR

Shop No. 3, Business Center, Professor Colony Chowk, Savedi, Ahmednagar - 414 003.

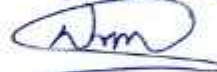
Email : kakanisaurabh93@gmail.com Ph.: (0241) 2422603 Mob.: 9404246008

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This is to certify that **Dinesh Sase** of class TE of institute SCSMCOE Nepti, Ahmednagar has successfully completed an internship of **31** days.

The internship period was from **20/01/2024** to **20/02/2024**.

Saurabh Constructions



Partner

Partner

**ER Ranjit Shinde** ( DCE. BE)

**Mob No : 8888430443**

## **VEDANTIKA CONSTRUCTIONS**

Office No.7, Aashirvad Aparment, Nr Daule Hospital,  
Nagar – Manmad Road, Savedi – 414001

Date : 09/03/2024

### **INTERNSHIP CERTIFICATE**

This is certify that **Miss Wavhel Indrayani Shivaji** , a student of Civil Engineering, **SCM College of Engineering**, Ahmednagar has successfully completed his internship course at our company from **20<sup>th</sup> Dec 2023 to 20<sup>th</sup> Jan 2024**.

During the internship she was exposed to various aspects of building works such as estimation, concreting, drawings, plastering and other building works.

I wish her best of luck for his future.



For **VEDANTIKA CONSTRUCTIONS**

**RANJIT SHINDE**  
Reg. No. APL/00598  
Engineer / All Plans

**PROPRIETOR**



**ER Ranjit Shinde** (DCE. BE)

**Mob No : 8888430443**

## **VEDANTIKA CONSTRUCTIONS**

Office No.7, Aashirvad Apartment, Nr Daule Hospital,  
Nagar – Manmad Road, Savedi – 414001

Date : 09/03/2024

### **INTERNSHIP CERTIFICATE**

This is certify that **Miss Supekar Akanksha umaji**, a student of Civil Engineering, **SCM College of Engineering**, Ahmednagar has successfully completed his internship course at our company from **20<sup>th</sup> Dec 2023 to 20<sup>th</sup> Jan 2024**.

During the internship she was exposed to various aspects of building works such as estimation, concreting, drawings, plastering and other building works.

I wish her best of luck for his future.



For **VEDANTIKA CONSTRUCTIONS**

**RANJIT SHINDE**  
Reg. No. ARI/10058  
Engineer / All India

**PROPRIETOR**



**MR. AMOL SHIVAJI KAMBLE**

(Civil Engg. & Govt. Contractor)

GSTIN: -27EAIPK0662L2ZD

amolkamble3333@rediffmail.com 9372939999 | 9833293333

Date: 20/1/2024

## EXPERIENCE LETTER

This is certifying that Mr. Adi Gorakh Thombare has been working at "Sharad Mutha Housing & Development Pvt Ltd" as a site engineer and designing from 20/12/2023 to 20/01/2024 during this period he has good knowledge of various building types like commercial complexes. Apartment and bungalow construction. he has given the best of his abilities. His conduct has been excellent during this tenure.

*Kamble.*  
**MR. AMOL SHIVAJI KAMBLE**  
Civil Engineer & Govt. Contractor



**Ahmednagar Jilha Maratha Vidya Prasarak Samaj's**  
**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005, Maharashtra

Phone No :- 0241 -2568383

Unipune - ID CEGA019270

Fax No: - 0241 -2568384

Email: ajmvps123@gmail.com, scsmcoe.anr@gmail.com, Website: www.scoe.org

**Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.**

**Department of Electronics and Telecommunication**

**Internship Record**

**Academic Year: 2023-24**

Sr. No	Name	Company Name	Date of Joining	Date of Completion	Total Days
1.	Berad Akanksha Ashok	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
2.	Datir Gunjan Sambhaji	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
3.	Gaikwad Aniruddha Atul	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
4.	Gawali Nikita Manik	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
5.	Ghadge Shailesh Baban	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
6.	Ghorpade Dhanashri Prakash	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
7.	Jadhav Shubham Sudhir	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
8.	Jagdale Amruta Sanjay	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
9.	Jagtap Mayuri Vaijinath	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
10.	Joshi Tanuja Sanjay	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
11.	Kamble Priti Sudhir	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
12.	Kapre Rushikesh Bhaskar	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
13.	Khamkar Vaishnavi Navnath	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
14.	Lotake Vaishnavi Sambhaji	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
15.	Nimbalkar Yash Rajendra	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
16.	Panchal Khushi Lalitkumar	A2Z IT HUB Pvt. Ltd., Ahmednagar	14/12/2023	15/01/2024	30
17.	Parkale Tejas Bhausaheb	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
18.	Raut Aniket Dilip	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
19.	Rokade Mahesh Chhabu	Acropolis Systems Pvt. Ltd, Pune	15/12/2023	15/01/2024	30
20.	Sakshi Ganesh Kurhe	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30





21.	Saniya Samir Manyar	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
22.	Sawant Vaishnavi Ramdas	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
23.	Shaikh Mahek Haroon	Oasis Infobyte, New Delhi	12/12/2023	12/01/2024	30
24.	Shelke Abhijeet Popat	Core Integra Consulting Services Pvt, Mumbai	16/12/2023	16/01/2024	30
25.	Shinde Vaishnavi Raju	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
26.	Thorat Pritish Prabhakar	Acropolis Systems Pvt. Ltd, Pune	15/12/2023	15/01/2024	30
27.	Unde Kiran Ravindra	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
28.	Virkar Harshada Tukaram	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
29.	Walunj Shubham Ramdas	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
30.	Wandhekar Sakshi Ravsaheb	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
31.	Zinjurde Nikhil Babasaheb	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
32.	Zinjurde Shweta Babasaheb	ProAzure Software Solutions Pvt. Ltd, Kharadi, Pune	12/12/2023	12/01/2024	30
33.	Bhagat Sanket Pandharinath	Shri Harihar Fabricators, Shrirampur, Ahmednagar	12/12/2023	12/01/2024	30

*Mane*

Ms. A. R. Mane  
Internship Coordinator

*Walke*

Mrs. S. M. Walke  
HOD E&TC



**HEAD**  
Department of E & TC Engineering  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005, Maharashtra

Phone No :- 0241-2568383 Unipune - ID CEG/A019270 Fax No:- 0241-2568384

Email: ajmvps123@gmail.com, scsmcoe.anr@gmail.com, Website: www.scoe.org

Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

## Department of Computer Engineering

### Internship Record 2023-24


Sr.No	Full Name of the Candidate	Company Name	Joining Date	Completion Date	Duration
1	ANBHULE RUSHIKESH	Innover Infotech	30/12/2023	10/2/2024	6 Week
2	BEDRE RUPALI SANTOSH	Oasis infobyte	05/01/2024	16/02/2024	6 week
3	BHALGAT SAKSHI MANOJ	Kanak Digifex	05/01/2024	16/02/2024	6 week
4	BHUJBAL SHRUTI MILIND	Sumago Infotech	01/01/2024	15/02/2024	6 week
5	CHAKANE SAMRUDDHI	Innover Infotech	30/12/2023	10/2/2024	6 Week
6	CHEDE PALLAVI VIJAY	Kanak Digifex	05/01/2024	16/02/2024	6 week
7	CHITALE SHRADDHA	Kanak Digifex	05/01/2024	16/02/2024	6 week
8	DARADE PRANJALI SAMPAT	Innover Infotech	30/12/2023	10/2/2024	6 Week
9	DESHMUKH ATHARVA	Kanak Digifex	05/01/2024	16/02/2024	6 week
10	GAGARE PRASAD VIJAY	Kanak Digifex	05/01/2024	16/02/2024	6 week
11	GAIKWAD SWAPNIL	Kanak Digifex	05/01/2024	16/02/2024	6 week
12	GANGISHETTY APARNA	Innover Infotech	30/12/2023	10/2/2024	6 Week
13	GAWALI CHAITALI	Innover Infotech	30/12/2023	10/2/2024	6 Week
14	GAWALI UDDHAV	Kanak Digifex	05/01/2024	16/02/2024	6 week
15	GHODAKE ABHIJIT BAPURAO	Kanak Digifex	05/01/2024	16/02/2024	6 week
16	GHODAKE PRATIKSHA	Kanak Digifex	05/01/2024	16/02/2024	6 week
17	GUNJAL HARSHVARDHAN	Kanak Digifex	05/01/2024	16/02/2024	6 week
18	HOLE TUSHAR SUNIL	Kanak Digifex	05/01/2024	16/02/2024	6 week
19	JADHAV NIKITA YOGESH	Sumago Infotech	01/01/2024	15/02/2024	6 week
20	JAGTAP VAISHNAVI SANJAY	Innover Infotech	30/12/2023	10/2/2024	6 Week
21	JAHAIRDAR ABDUL BASIT	Sumago Infotech	01/01/2024	15/02/2024	6 week
22	KALASKAR NIKITA KAILAS	Kanak Digifex	05/01/2024	16/02/2024	6 week
23	KANDEKAR ANJALI KHANDU	Kanak Digifex	05/01/2024	16/02/2024	6 week
24	KARALE AKANKSHA	Cloud InfoTech	23/11/2023	23/02/2024	4 Month
25	KARLE PRACHI KUNDLIK	Cloud InfoTech	23/11/2023	23/02/2024	4 Month
26	KATARIYA TEJAL DILIP	Kanak Digifex	05/01/2024	16/02/2024	6 week
27	KHARMATE GANESH VISHNU	Kanak Digifex	05/01/2024	16/02/2024	6 week
28	KHESE NIKITA VIJAY	Kanak Digifex	05/01/2024	16/02/2024	6 week
29	KHESE POOJA DNYANDEV	Cloud InfoTech	23/11/2023	23/02/2024	4 Month
30	KHOBARE BHAKTI	Kanak Digifex	05/01/2024	16/02/2024	6 week
31	KOLTE JAY BANDU	Kanak Digifex	05/01/2024	16/02/2024	6 week
32	KSHIRSAGAR KALYANI	Innover Infotech	30/12/2023	10/2/2024	6 Week
33	KSHIRSAGAR MADHAVI	Kanak Digifex	05/01/2024	16/02/2024	6 week
34	KUHILE SARTHAK	Kanak Digifex	05/01/2024	16/02/2024	6 week
35	KULKARNI AKANKSHA	Kanak Digifex	05/01/2024	16/02/2024	6 week
36	LAMKHADE PRAJAKTA VIJAY	Innover Infotech	30/12/2023	10/2/2024	6 Week
37	LANDE DIVYA SAMBHAJI	Kanak Digifex	05/01/2024	16/02/2024	6 week
38	LIPANE PRATIK ARJUN	Kanak Digifex	05/01/2024	16/02/2024	6 week
39	LOMATE SAURABH ASHOK	Kanak Digifex	05/01/2024	16/02/2024	6 week
40	MALI OVI ARVIND	Kanak Digifex	05/01/2024	16/02/2024	6 week
41	MANSUKE ARTI AJIT	Kanak Digifex	05/01/2024	16/02/2024	6 week
42	MHASKE YOGESH AMBADAS	Kanak Digifex	05/01/2024	16/02/2024	6 week






43	MOKATE DIPTI NAVANATH	Kanak Digifex	05/01/2024	16/02/2024	6 week
44	MUNDE RUTUJA ANKUSH	Innover Infotech	30/12/2023	10/2/2024	6 Week
45	MUTHA AAYUSH ROHINISH	Kanak Digifex	05/01/2024	16/02/2024	6 week
46	NAT AKSHATA GORAKH	Innover Infotech	30/12/2023	10/2/2024	6 Week
47	OSTWAL SAKSHI SANDIP	Kanak Digifex	05/01/2024	16/02/2024	6 week
48	PADALKAR SAHYADRI	Kanak Digifex	05/01/2024	16/02/2024	6 week
49	PALVE DATTA KIRAN	Kanak Digifex	05/01/2024	16/02/2024	6 week
50	PANDIT SUPRIYA	Innover Infotech	30/12/2023	10/2/2024	6 Week
51	PARBHANE PURVA	Innover Infotech	30/12/2023	10/2/2024	6 Week
52	PUND NIKITA VIJAY	Sumago Infotech	01/01/2024	15/02/2024	6 week
53	RAJHANS VAISHNAVI	Sumago Infotech	01/01/2024	15/02/2024	6 week
54	RAPARIYA KHUSHI SANDEEP	Sumago Infotech	01/01/2024	15/02/2024	6 week
55	ROHOKALE MINAKSHI	Innover Infotech	30/12/2023	10/2/2024	6 Week
56	RUPNAR KUNAL NIVRUTTI	Kanak Digifex	05/01/2024	16/02/2024	6 week
57	SABLE ONKAR MAHADEO	Innover Infotech	30/12/2023	10/2/2024	6 Week
58	SALUNKE SAYALI ANIL	Innover Infotech	30/12/2023	10/2/2024	6 Week
59	SANGLE PRATIKSHA	Innover Infotech	30/12/2023	10/2/2024	6 Week
60	SARODE PRIYA PRASHANT	Innover Infotech	30/12/2023	10/2/2024	6 Week
61	SHAIKH FIROJA HARUN	Sumago Infotech	01/01/2024	15/02/2024	6 week
62	SHELKE GITANJALI RAMESH	Innover Infotech	30/12/2023	10/2/2024	6 Week
63	SHELKE PRITI PRAKASH	Innover Infotech	30/12/2023	10/2/2024	6 Week
64	SHINDE VAISHNAVI UMESH	Sumago Infotech	01/01/2024	15/02/2024	6 week
65	SHINGAVI AKSHADA KISHOR	Innover Infotech	30/12/2023	10/2/2024	6 Week
66	SONAWANE GAURAV	Kanak Digifex	05/01/2024	16/02/2024	6 week
67	TEMKAR VISHAL SAINATH	Kanak Digifex	05/01/2024	16/02/2024	6 week
68	UDAMALE KARTIK AMBADAS	Kanak Digifex	05/01/2024	16/02/2024	6 week
69	WALKE OMKAR NITIN	ProAzure,Pune	28/12/2023	10/02/2024	6 week
70	YEWALE DURGESH BAJIRAO	Sumago Infotech	01/01/2023	15/02/2024	6 Week
71	ZINJ VRUSHALI ANIL	Innover Infotech	30/12/2023	10/2/2024	6 Week
72	BHONDAVE KSHITIJ	R. B. Tech	6/8/2023	18/09/2023	6 Week
73	TIDAKE VAIBHAV	Kanak Digifex	11/01/2024	16/02/2024	6 Week
74	SATHE ABHISHEK	Kanak Digifex	11/01/2024	16/02/2024	6 Week

  
**Prof. Ghadage R.A.**  
 Internship co-ordinator

  
**Prof. Jagtap V.V.**  
 HOD

  
**Dr. Y.R. Kharde**  
 Principal  
 PRINCIPAL

**HOD**  
**Computer Department**  
 Shri Chhatrapati Shivaji Maharaj College  
 of Engineering, Nepti, Ahmednagar

Shri. Chhatrapati Shivaji Maharaj College  
 of Engineering, Nepti, Ahmednagar





# ***CERTIFICATE*** OF ***COMPLETION***

**20/3/2024**

---

This certificate is proudly presented to

***Bedre Rupali Santosh***

---

for successful completion of **1 month AICTE OIB-SIP  
internship in Web Development and Designing**  
from **15/2/2024 to 20/3/2024**

with wonderful remarks at **OASIS INFOBYTE**



**OASIS  
INFOBYTE**



contact@oasisinfobyte.in

*Ajash Chaudhary*

Program Coordinator

www.oasisinfobyte.com



OIB/F2/IP685



## INTERNSHIP COMPLETION CERTIFICATE

### TO WHOMSOEVER IT MAY CONCERN

**Miss. Sakshi Manoj Bhalgat**

**Date: 17<sup>th</sup> February 2024**

This is to certify that Miss. Sakshi Manoj Bhalgat, A Student of Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar has done her internship in Website Development at KANAK DIGIFEX, Ahmednagar Branch, from 5th January 2024 to 16th February 2024.

She has worked on a various Live Projects under the guidance of Mr. Vaibhav Thorat. The projects were developed exclusively for Clients of KANAK DIGIFEX.

These Projects were based on the Web Technologies like HTML, CSS, Js, Bootstrap, PHP, MySQL & WordPress.

She also attended the fundamental lectures on Artificial Intelligence, Networking Technologies, Ethical Hacking & Cyber Security, Cloud Computing, Hosting & Server Management.

During the period of her internship program with us, She had been exposed to different processes and was found diligent, self-motivated, hardworking and inquisitive.

Her performance exceeded our expectations and she was able to complete the projects on time.

We wish her all the best for her future career.



**Student Sign**



**KANAK DIGIFEX**

**From KANAK DIGIFEX**

**Vaishali Gaikwad (HR)**

Mumbai - Office No. 96, Cine Prime Mall, Kanakia, Mira Road East, Mumbai, 401107

Ahmednagar - Office No.1, Matoshree Building, Ekvira Chowk, OPP. City Pride Hotel  
Savadi, Ahmednagar, 414003



## INTERNSHIP COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

**Miss. Pallavi Vijay Chede**

**Date: 17<sup>th</sup> February 2024**

This is to certify that Miss. Pallavi Vijay Chede, A Student of Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar has done her internship in Website Development at KANAK DIGIFEX, Ahmednagar Branch, from 5th January 2024 to 16th February 2024.

She has worked on a various Live Projects under the guidance of Mr. Vaibhav Thorat. The projects were developed exclusively for Clients of KANAK DIGIFEX.

These Projects were based on the Web Technologies like HTML, CSS, Js, Bootstrap, PHP, MySQL & WordPress.

She also attended the fundamental lectures on Artificial Intelligence, Networking Technologies, Ethical Hacking & Cyber Security, Cloud Computing, Hosting & Server Management.

During the period of her internship program with us, she had been exposed to different processes and was found diligent, self-motivated, hardworking and inquisitive.

Her performance exceeded our expectations and she was able to complete the projects on time.

We wish her all the best for her future career.



**Student Sign**



**KANAK DIGIFEX**

**From KANAK DIGIFEX**

**Vaishali Gaikwad (HR)**

Mumbai - Office No. 96, Cine Prime Mall, Kanakia, Mira Road East, Mumbai, 401107

Ahmednagar - Office No.1, Matoshree Building, Ekvira Chowk, OPP. City Pride Hotel  
Savedi, Ahmednagar, 414003



## INTERNSHIP COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

**Miss. Shraddha Chandrakant Chitale**

**Date: 17<sup>th</sup> February 2024**

This is to certify that Miss. Shraddha Chandrakant Chitale , A Student of Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar has done her internship in Website Development at KANAK DIGIFEX, Ahmednagar Branch, from 5th January 2024 to 16th February 2024.

She has worked on a various Live Projects under the guidance of Mr. Vaibhav Thorat. The projects were developed exclusively for Clients of KANAK DIGIFEX.

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During the period of her internship program with us, she had been exposed to different processes and was found diligent, self-motivated, hardworking and inquisitive.

Her performance exceeded our expectations and she was able to complete the projects on time.

We wish her all the best for her future career.



**KANAK DIGIFEX**

**From KANAK DIGIFEX**

**Vaishali Gaikwad (HR)**

  
**Student Sign**

Mumbai - Office No. 96, Cine Prime Mall, Kanakia, Mira Road East, Mumbai, 401107

Ahmednagar - Office No.1, Matoshree Building, Ekvira Chowk, OPP. City Pride Hotel  
Savedi, Ahmednagar, 414003

## INTERNSHIP COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

**Mr. Atharva Vishnu Deshmukh**

**Date: 17<sup>th</sup> February 2024**

This is to certify that Mr. Atharva Vishnu Deshmukh, A Student of Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar has done his internship in Website Development at KANAK DIGIFEX, Ahmednagar Branch, from 5th January 2024 to 16th February 2024.

He has worked on a various Live Projects under the guidance of Mr. Vaibhav Thorat. The projects were developed exclusively for Clients of KANAK DIGIFEX.

These Projects were based on the Web Technologies like HTML, CSS, Js, Bootstrap, PHP, MySQL & WordPress.

He also attended the fundamental lectures on Artificial Intelligence, Networking Technologies, Ethical Hacking & Cyber Security, Cloud Computing, Hosting & Server Management.

During the period of his internship program with us, he had been exposed to different processes and was found diligent, self-motivated, hardworking and inquisitive.

His performance exceeded our expectations and he was able to complete the projects on time.

We wish him all the best for his future career.

  
**Student Sign**

  
**KANAK DIGIFEX**  
From KANAK DIGIFEX  
Vaishali Gaikwad (HR)

Mumbai - Office No. 96, Cine Prime Mall, Kanakia, Mira Road East, Mumbai, 401107

Ahmednagar - Office No.1, Matoshree Building, Ekvira Chowk, OPP. City Pride Hotel  
Savedi, Ahmednagar, 414003



## INTERNSHIP COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

**Mr. Prasad Vijay Gagare**

**Date: 17<sup>th</sup> February 2024**

This is to certify that Mr. Prasad Vijay Gagare, A Student of Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar has done his internship in Website Development at KANAK DIGIFEX, Ahmednagar Branch, from 5th January 2024 to 16th February 2024.

He has worked on a various Live Projects under the guidance of Mr. Vaibhav Thorat. The projects were developed exclusively for Clients of KANAK DIGIFEX.

These Projects were based on the Web Technologies like HTML, CSS, Js, Bootstrap, PHP, MySQL & WordPress.

He also attended the fundamental lectures on Artificial Intelligence, Networking Technologies, Ethical Hacking & Cyber Security, Cloud Computing, Hosting & Server Management.

During the period of his internship program with us, he had been exposed to different processes and was found diligent, self-motivated, hardworking and inquisitive.

His performance exceeded our expectations and he was able to complete the projects on time.

We wish him all the best for his future career.



**Student Sign**



**KANAK DIGIFEX**

**From KANAK DIGIFEX**

**Vaishali Gaikwad (HR)**

Mumbai - Office No. 96, Cine Prime Mall, Kanakia, Mira Road East, Mumbai, 401107

Ahmednagar - Office No.1, Matoshree Building, Ekvira Chowk, OPP. City Pride Hotel  
Savedi, Ahmednagar, 414003





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005, Maharashtra

Phone No :- 0241 -2568383

Unipune - ID CEGA019270

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Email: ajmvps123@gmail.com, scsmcoe.anr@hotmail.com, Website: www.scoe.org

Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

## Department of Mechanical Engineering

Academic Year 2023-24

### Project List

Sr. No.	Name of Student	Project Name	Guide Name	Guide Sign
1	Sugar cane lifting machine	Ganesh Karle	Prof. A. G. Dekhne	
		Ajay Sarode		
		Jaydeep Jadhav		
		Tushar Parkale		
2	Fabrication of minor losses in pipe fittings Test rig	Kshirsagar Rushikesh	Prof. G.B. Salunke	
		Ramdas Thorat		
		Sanket Shelake		
		Modhave Ashwini		
3	Improving the mechanical properties of CI200 thorough magnetic field assisted processing	Limbhore pratiksha	Prof. M. D. Mandhre	
		Bhalsing shreyash		
		Karale vishal		
		Shubham Kadus		
4	Artificial intelligence floor cleaning robot	Om Kashid	Prof. M. G. Kale	
		Nikhil Gite		
		Omkar Harishchandre		
		Amol Kale		
5	Frictional less Braking system	Kunal Shirsathe	Prof. A.S. Kalhapure	
		Vaishnav Katore		
		Pradnya Srimandilkar		
		Rutuja Ekkaldevi		
6	The Experimental Analysis Reinforcement Of Aluminium Metal Matrix Composite With SIC & TIC	Salve Vishal	Prof. A.B. Kale	
		Ronak Toukshiya		
		Thorat Vimal		
		Bhalekar Ganesh		
7	Design End Quench test and Evaluation Hardness of Aluminium And Cast iron 200 which making in Presence of Magnetic Field	Viraj Mhaske	Prof. S.P. Jathar	
		Prafful Gangarde		
		Somnath Garule		
8	Smart Irrigation system using IOT	Gagare Kartik	Prof. M.D. Mandhre	
		Wani Dipak		
		Gaikwad Prashant		

Prof. M. D. Mandhre  
Project Coordinator



Prof. A.B. Kale  
HOD

Mechanical Department

HOD

Mechanical Department  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

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Email: ajmvps123@gmail.com, scsmcoe.anr@hotmail.com, Website: www.scoea.org

Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

Ref.No. :- SCSMCOE/2023-24/Mech/07

Date:- 18/04/2023

### Notice

All the students of **BE Mechanical** are here by informed that **project stage Pre-final review** will be on **23/04/2024 at 10:30 am** at **Cad lab of Mechanical Department**. Be present with Final presentation and Project Report, project log book, reference, Publication certificate and Conference Certificate.

  
Project Coordinator





HOD

Mechanical Department

HOD

Mechanical Department

Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar



## Project Phase-II Review-III Assessment Sheet

Group No	Project Title	Name of the Student	Sign of Student	Introduction	Problem Statement	Objective	Scope of the work	Work Originality	Literature Survey:			Planning Schedule	Quality of Term work	Individual Contribution	Total
				5	3	5	2	5	International	National	Other	5	10	5	50
1	Fabrication of minor losses in pipe fittings Test rig	Kshirsagar Rushikesh	<i>Rushikesh</i>	5	3	4	2	4	3	3	2	3	8	4	37
		Ramdas Thorat	<i>Thorat RP</i>	4	3	4	1	4	2	4	2	4	8	4	40
		Modhave Ashwini	<i>Modhave AA</i>	5	3	4	1	4	3	4	2	3	9	4	42
		Shelke Sanket	<i>Shelke SS</i>	4	3	4	1	4	3	4	2	4	8	4	41
2	Improving the mechanical properties of C1200 thorough magnetic field assisted processing	Limbhore pratiksha	<i>Pratiksha</i>	4	3	4	2	4	3	3	1	3	9	4	40
		Bhalsing shreyash	<i>Shreyash</i>	4	3	4	2	4	2	4	2	4	8	4	41
		Karale vishal	<i>Vishal</i>	4	3	4	1	4	3	3	2	3	9	4	40
		Kadus Shubham	<i>Shubham</i>	4	3	4	1	3	2	4	1	4	7	4	37
3	Frictionalless breaking system	Kunal shirsathe	<i>Kunal</i>	4	3	4	1	4	3	3	2	4	8	3	39
		Vaishnav katore	<i>Katore</i>	3	3	4	2	4	2	4	2	4	8	4	40
		Pradnya Srimandilkar	<i>Pradnya</i>	4	2	4	2	4	3	4	2	3	8	3	37
		Rutuja Ekkaldevi	<i>Rutuja</i>	4	2	4	1	4	3	4	2	3	9	4	40
4	The Experimental Analysis Reinforcement Of Aluminium Metal Matrix Composite With SIC & TIC	Salve Vishal	<i>Salve</i>	4	3	3	2	3	2	3	2	3	8	3	34
		<del>Kate</del> Amol Ronak Tokshiya	<i>Ronak</i>	4	3	4	2	4	3	4	2	3	8	3	39
		Thorat Vimal	<i>Thorat</i>	4	2	3	2	4	3	3	2	3	8	3	37
		Bhalekar Ganesh	<i>Bhalekar</i>	4	3	4	1	4	3	4	2	3	8	3	39



Group No	Project Title	Name of the Student	Sign of Student	Introduction	Problem Statement	Objective	Scope of the work	Work Originality	Literature Survey:			Planning Schedule	Quality of Term work	Individual Contribution	Total
				5	3	5	2	5	3	5	2	5	10	5	50
5	Smart Irrigation System using IOT	Gagare Kartik	<i>Kartik</i>	4	3	4	2	3	3	4	2	4	7	4	41
		Wani Deepak	<i>Deepak</i>	4	2	4	2	4	3	4	2	4	7	4	40
		Gaikwad Prashant	<i>Prashant</i>	4	3	4	2	3	3	4	2	4	6	4	39
				4											
6	Design End Quench test and Evaluation Hardness of Aluminium And Cast iron fig 200 which making in Presence of Magnetic Field"	Viraj Mhaske	<i>Viraj</i>	3	3	4	2	3	3	4	2	4	7	4	39
		Prafull Gangarde	<i>Prafull</i>	3	3	4	2	4	3	4	2	4	7	4	39
		Somnath Garule	<i>Somnath</i>	3	3	4	2	3	3	4	2	4	6	4	38
7	Artificial intelligence floor cleaning robot	Om kashid	<i>Om kashid</i>	3	3	4	2	4	3	4	2	4	8	4	41
		Nikhil Gite	<i>Nikhil</i>	3	3	4	2	3	3	4	2	4	8	4	40
		Omkar Harishchandre	<i>Omkar</i>	4	3	4	2	4	3	4	2	4	8	5	43
		Fanmay Narsale	<i>Fanmay</i>	3	3	4	2	3	2	4	2	4	8	4	39
8	Sugar cane lifting machine	Ganesh karle	<i>Ganesh</i>	3	3	4	2	4	3	4	2	4	8	4	41
		Ajay Sarode	<i>Ajay</i>	4	3	4	2	3	3	4	2	4	8	4	41
		Jaydeep Jadhav	<i>Jaydeep</i>	3	3	4	2	3	3	4	2	4	6	4	38
		Tushar Parkale	<i>Tushar</i>	4	3	4	2	4	3	5	2	4	7	4	42

Reviewer-I

Reviewer-II

Project Coordinator  
Prof. M.D. Mandhre



HOD  
Prof. A. B. Kale

HOD  
Mechanical Department  
Shri Chhatrapati Maharaj College  
of Engineering, Ambednagar


## BE Civil Project list (2023-24)

Group No	Project Title	Name of the Student	Name & Signature of Guide
1	Sampling and grading analysis of Micro-Plastics pollution in surface water source	Kharpude Shweta Raju	 Prof. P. G. Nikam
		Gaikwad Tanuja Mahadev	
		Khedkar Tejas Dadasaheb	
		Pokharna Ayush Yogesh	
2	Partial Replacement of Fine Aggregate with Glass Powder	Thombare Avantika Machindra	 Prof. A. R. Pardeshi
		Sakhare Komal Haribau	
		Athare Akansha Pradip	
		Chaudhari Shailesh Rajendra	
3	An Experimental study of Papercrete Bricks	Pund Sakshi Rajendra	 Prof. M. P. Athare
		Kale Dipali Chandrakant	
		Warule Trupti Gangadhar	
		Nikrad Tejashree Chandrakant	
4	Partial Replacement of coarse Aggregate with Coconut Shell	Chobhe Abhishek Ravindra	 Prof. A. R. Pardeshi
		Deharekar Sumit Sunil	
		Kadam Vedant Moreshwar	
		Kotkar Umesh Ashok	
5	Sugarcane Based Phytoremediation: Innovative Strategies For River Wastewater Clean-up	Satpute Harshada Ganpat	 Prof. P. G. Nikam
		Kadam Namrata Kailas	
		Shirsath Vaishnavi Dadasaheb	
		Kusalkar Shreyash Bhanudas	
6	Treating Waste Water By Constructing Wetlands	Jadhav Shital Gorakh	 Prof. M. P. Athare
		Gawade Rutuja Anil	
		Shaikh Moin Shaphik	
		Inamdar Hujaif Aliahmad	
7	Eco friendly Grain Storing Structure with Optimum use of Bamboo Cross- Section	Rahinj Pooja Sanjay	 Prof. A. S. Kamble
		Sapre Shraddha Tanhaji	
		Nimase Harshawardhan Govardhan	
		Shelke Prasanna Prakash	

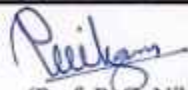


## BE Civil Project list (2023-24)

Group No	Project Title	Name of the Student	Name & Signature of Guide
8	Effect of Crumb Rubber as a Partial Replacement of Fine Aggregate in Concrete.	Donta Gayatri Shrishailam Daitule Harshada Dinkar Huse Anuja Shivaji	 Prof. A. R. Gawali
9	Partial Replacement of Cement by Ceramic Dust Power	Kale Om Avinash Kotkar Suraj Dnyaneshwar Shripai Sakshi Vajreshwar Kanore Rutvika Shriniwas	 Prof. G. S. Patil
10	Smog Free Tower City	Kulat Gaurav Radhakisan Pimpale Abhishek Bansi Murumkar Yash Rajendra Gandhi Yash Dinesh Darekar Pranav Pradip	 Prof. S. A. Jagtap
11	Digital Transformation of a Map of Land use & Cover for Agricultural & Non Agricultural Area using Remote Sensing & GIS	Lodhe Ganesh Sunil Aher Ajay Vijay Bhujbal Trupti Narendra	 Prof. S. A. Jagtap
12	Soil Stabilization Using Waste Materials	Temkar Rutuja Anil Gite Dipak Gorakh Pathan Juber Noormohammad Tambe Aadesh Sunil	 Prof. S. S. Pagare
13	Watershed Management System	Hulage Rahul Vitthal Phatake Pawan Babasahbe Raut Pratik Rajendra Wable Suyash Balasaheb	 Prof. V. V. Yewale

  
(Prof. A. R. Pardeshi)  
Project Coordinator



  
(Prof. P. G. Nikam)

**HOD**  
**Civil Department**  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**Shri Chhatrapati Shivaji Maharaj College of Engineering,  
Nepti, Ahmednagar.**

Department of Civil Engineering


Date : 23/08/2023

**NOTICE**

All the BE Civil students are hereby informed that, your **Project Phase-I** Review-I Presentation is scheduled on **Friday, 25<sup>th</sup> August 2023 at 10:15am**. All group members contact your guide and prepare PowerPoint Presentation in accordance with your Phase-I work.

  
(Prof. A.R. Pardeshi)  
**Project Coordinator**



  
(Prof. P. G. Nikam)  
**HOD Civil  
HOD  
Civil Department  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar**

Group No	Project Title	Name of the Student	Sign of Student	Introduction	Problem Statement	Objective	Scope of the work	Work Originality	Literature Survey:			Planning Schedule	Quality of Term work	Individual Contribution	Total
				5	3	5	2	5	International	National	Other	5	10	5	50
1	Microplastic in River	Kharpude Shweta	<i>[Signature]</i>	4	3	4	2	4	3	3	1	4	8	4	40
		Gaikwad Tanuja	<i>[Signature]</i>	4	3	4	2	4	3	3	1	4	8	4	40
		Khedkar Tejas	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	8	4	39
		Pokharna Ayush	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	8	4	39
2	Adv Research on Strength Properties of concrete partially fine aggregate replaced with waste crushed glass	Thombare Avantika Machindra	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	7	4	37
		Sakhare Komal Haribau	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	7	4	37
		Athare Akansha Pradip	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	7	3	36
		Chaudhari Shailesh Rajendra	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	7	3	36
3	Papercrete bricks	Pund Sakshi Rajendra	<i>[Signature]</i>	4	3	4	2	4	3	3	1	4	8	4	40
		Kule Dipali Chandrakant	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	7	4	39
		Warule Trupti Gangadhar	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	7	4	39
		Nikrad Tejasree Chandrakant	<i>[Signature]</i>	4	3	4	2	4	3	3	1	4	7	4	40
4	Partial Replacement of coarse aggregate with coconut shells	Chobhe Abhishek	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	7	4	39
		Deharekar Sumit	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	7	3	38
		Kadam Vedant	<i>[Signature]</i>	2	3	4	2	4	3	3	1	4	7	3	37
		Kotkar Unesh	<i>[Signature]</i>	2	3	4	2	4	3	3	1	4	7	3	37
5	Advancement in phytoremediation treatment	Satpute Harshada	<i>[Signature]</i>	4	3	4	2	4	3	3	1	4	8	4	40
		Kadam Namrata	<i>[Signature]</i>	4	3	4	2	4	3	3	1	4	8	4	40
		Shirsuth Vaishnavi	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	8	4	39
		Kusalkar Shreyash Bhanudas	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	7	3	37


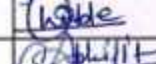
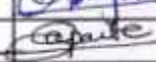
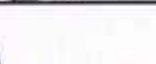


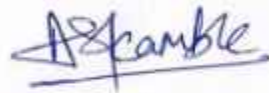
Group No	Project Title	Name of the Student	Sign of Student	Introduct ion	Problem Statemen t	Objectiv e	Scope o the work	Work Originalit y	Literature Survey:			Planning Schedule	Quality of Term work	Individual Contribution	Total
				5	3	5	2	5	Internati onal	National	Other	5	10	5	50
6	Constructed Wetlands.	Jadhav Shital Gorakh	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	7	4	38
		Gawade Rotuja Anil	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	8	4	39
		Shaikh Moin Shaphik	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	8	4	39
		Inamdar Hujair Aliahmad	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	7	4	38
7	Ecofriendly storage structure with optimum use of Bgmb -oo cross-section	Rahinj Pooja Sanjay	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	8	4	39
		Sapre Shraddha Tanhaji	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	7	4	38
		Nimase Harshawardhan Govardhan	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	6	3	36
		Shelke Prasanna Prakash	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	6	3	36
8	Behaviour of Crumb rubber replaced in concrete	Donta Gayatri Shrishailam	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	8	4	39
		Daitule Harshada Dinkar	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	8	4	39
		Huse Anuja Shivaji	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	9	4	40
		—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	Replacement of Cement by Ceramic Dust Powder	Kale Om Avinash	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	9	4	40
		Kotkar Suraj Dnyaneshwar	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	8	4	39
		Shripat Sakshi Vajreshwar	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	9	4	40
		Kanore Rutvika Shriniwas	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	8	4	39
10	Developing Sustainable Smart City.	Kulat Gaurav Radhakisan	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	6	3	36
		Pimpale Abhishek Bansi	<i>[Signature]</i>	—	—	—	—	—	—	—	—	—	—	—	—
		Murumkar Yash Rajendra	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	6	3	36
		Gandhi Yash Dinesh	<i>[Signature]</i>	3	3	4	2	4	3	3	1	4	5	3	35



Group No	Project Title	Name of the Student	Sign of Student	Introduct	Problem	Objectiv	Scope of	Work	Literature Survey:			Planning	Quality of	Individual	Total
				ion	Statemen	e	the work	Originalit	Internati	National	Other	Schedule	Term work	Contributio	
				5	3	5	2	5	3	5	2	5	10	5	50
11	Digital transformation of soap & land use & cover for agricultural & Non agricultural area using RS/GIS	Lodhe Ganesh Sunil		3	3	4	2	4	3	3	1	4	6	3	36
		Aher Ajay Vijay		3	3	4	2	4	3	3	1	4	6	3	36
		Bhujbal Trupti Narendra		3	3	4	2	4	3	3	1	4	7	3	37
		Darekar Pranav Pradip		3	3	4	2	4	3	3	1	4	7	3	37
12	Soil Stabilization Using Waste Material	Gangale Nikhil Nagnath		3	3	4	2	4	3	3	1	4	8	3	38
		Gite Dipak Gorakh		3	3	4	2	4	3	3	1	4	7	3	37
		Gote Prashant Gorakshnath		3	3	4	2	4	3	3	1	4	7	3	37
		Alhat Bhimraj Sopan	-Ab-	-	-	-	-	-	-	-	-	-	-	-	-
13	Analysis of Green building	Barse Manoj Francis		3	3	4	2	4	3	3	1	4	6	3	36
		Belote Suhas Dattatray	-Ab-	-	-	-	-	-	-	-	-	-	-	-	-
		Hulage Rahul Vitthal		3	3	4	2	4	3	3	1	4	5	2	34
		Ingale Krushna Balasaheb		3	3	4	2	4	3	3	1	4	5	2	36
14	Watershed Management System.	Pagare Mayuri Dhananjay		3	3	4	2	4	3	3	1	4	5	2	34
		Phatake Pawan Babasaheb		3	3	4	2	4	3	3	1	4	7	3	37
		Raut Pratik Rajendra		3	3	4	2	4	3	3	1	4	7	3	37
		Tambe Aadesh Sunil		3	3	4	2	4	3	3	1	4	6	3	36
15	watershed Managemnt.	Gangarde Samarth Ganesh		3	3	4	2	4	3	3	1	4	6	3	36
		Kadam Om Pradiprao		3	3	4	2	4	3	3	1	4	7	3	37
		Mane Mangesh Shivaji	-Ab-	-	-	-	-	-	-	-	-	-	-	-	-
		Temkar Rutuja Anil		3	3	4	2	4	3	3	1	4	7	3	37
16		Pathan Juber Noormohammad													
		Wable Suyash Balasaheb													
		Wagh Abhijit Kailas													

PTO

Group No	Project Title	Name of the Student	Sign of Student	Introduct ion	Problem Statemen t	Objectiv e	Scope of the work	Work Originalit y	Literature Survey:			Planning Schedule	Quality of Term work	Individual Contributio n	Tôtal
									Internati onal	National	Other				
				5	3	5	2	5	3	5	2	5	10	5	50
16	Design of G+10 building using STAAD pro	Pathan Juber Noormohammad		3	3	4	2	4	3	3	3	4	5	3	35
		Wable Suyash Balasaheb		3	3	4	2	4	3	3	1	4	5	4	36
		Wagh Abhijit Kailas		3	3	4	2	4	3	3	1	4	6	4	37
		Sapte Tushar Mohan		3	3	4	2	4	3	3	1	4	6	4	37



Reviewer-I

(A. S. Kamble)



Reviewer-II

(V.V. Lavale)



Project Coordinator  
Prof. A. R. Pardeshi



HOD  
Prof. P. G. Nikam

**HOD**

**Civil Department**

**Shri Chhatrapati Shivaji Maharaj College  
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AhmednagarJilha Maratha Vidya Prasarak Samaj's

# Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

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Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

## Department of Computer Engineering

### Project Allocation List

A.Y.-2023-24

Gr.No	Name of Student	Project Title	Guide Name
1	Vinay Kumar Pandey	Auto Plate Parking Access	Ghadage R.A.
	Prachi Bhausaheb Katkar		
	Janhavi Dhiraj Hirwe		
2	Ajabe Gayatri Santosh	IOT Based waste Segregation In DL	Gade N.B
	Kadus Sayali Ram		
	Shinde Vaishnavi Dnyaneshwar		
	Dahale Atharv Dahale		
3	Samarth Shriram Patil	Solar Panel Fault detection system	Jagatap V.V.
	Manish Mahesh Jadhav		
	Pranjal Sharad kharat		
	Gayatri Sambhaji Chaudhari		
4	Avhad Hareshwar Vaijinath	Plant Disease Detection App By using Deep Learning	Ghadage R.A.
	Kadam Aditya Dipak		
	Nimbalkar Yash Umesh		
	Mete Sarthak Shivaji		
5	Sudake Anushka Bhausaheb	Helmet detection and number plate detection	Rachcha S.P.
	Waman Akanksha vijay		
	Parjane Tushar madhukar		
	Dahibhate Shubham vasantrao		
6	Dhage Manasi Devram	Fire and smoke detection	Kohakade P.S.
	Wadate Neha Ramchandra		
	Dhiwar Priti Mohan		
	Deshmukh Pratiksha Bhausaheb		
7	Omkar Baban shinde	WellNess nurturing wellbeing with AI	Jagtap V.V.
	Jay Dinesh Kulkarni		
	Prathamesh Vilas Jadhav		
	Aniket Yashwant Kamlapurkar		
8	Khandave Vrushali Dattatray	Hommie:Conversational AI Assistant	Ghadage R.A.
	Karale Mohini Rajendra		
	Sharma Khushbu Punamchand		
	Raikwad Rohan Abhay		
9	Pratik Raju Bansode	Blockchain based secure voting system	Gade N.B
	Ram Annasaheb Danave		
	Sudam Arun Ghavte		
	Aniket Santosh Dalvi		



10	Shaikh Gulfam shahnavaj	Virtual mouse using machine learning	Wanave S.A.
	Shaikh Afjal Adam		
	Dhumal Yadnesh		
	Marathe Prasad		
11	nawale Gourav	Pothole Detection Using DL	Rachcha S.P.
	Sukeshini Sanjay Chemate		
	Shubhangi D. Ghongade		
12	Bingi Sejal Rajendra	Smart Trolley and Billing System	Kohakade P.S.
	Kashid Veda Nandkumar		
	Shirsath Nikita Janardan		
	Shripat Komal Sanjay		
13	Andhale Akansha	Gesture recognition based virtual mouse using EYE	Wanave S.A.
	Hilgude Gayatri		
	Pokale Pramila		
	Kshetre Sushmita		
14	Suryakant Balu Auti	Trustworthy E KYCsystem using Blockchain	Gade N.B
	Kshitij Sanjay Bhondave		
	Namodevi Gorakshnath Gore		
	Gitanjali Hari Bhoge		
15	Udmale Ashwin Sanjay	Real Time Object Detection using Deep Learning	Rachcha S.P.
	Vyapari Abhishek Balasaheb		
	Wandhekar Vaibhav Shashikant		
	Gunjal Bhushan Sanjay		
16	Pawar Chaitanya Vijay	Smart receptionist	Kohakade P.S.
	Lodhe Shripad Bhikaji		
	Kumbhakhele Amit Mohan		
	Gaikwad Krishna Tulshiram		
17	kawade sujit	Smart management of EV Charging station using AI	Pawar S.R.
	Mete Aditya		
	Dyaneshwar Kharde		
	Vaishavi Mote		
18	Tejas nalkar	Smart navigation for campus	Wanave S.A.
	Anurag Pawar		

  
**Prof. Ghadage R.A.**  
**Project Coordinator**



  
**Prof. Jagatap V.V.**  
**HOD**

**HOD**  
**Computer Department**  
**Shri Chhatrapati Shivaji Maharaj College**  
**of Engineering, Nepti, Ahmednagar**





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## Department of Electronics and Telecommunication Engineering

B.E Project List

Date: 17/06/2023

Group No.	Title of Project	Name of Students	Name of Guide
1	Accident avoiding Bumper	Saurabh Bharat Bidave	Prof.S.M.Walke
		Ganesh Sohanlal Gulati	
		Pritesh Narayan Takale	
2	Smart Energy Metering System	Vaishnavi Sanjay Khose	Prof.S.M.Walke
		Vaishnavi Sudhir Kshirsagar	
		Nisha Rahul Rathod	
3	Eight Leg Spider Robot using Theo Johnsen Likage Mechanism	Sheetal Harishchandra Pune	Prof.S.M.Walke
		Ganesh Vishnu Khade	
		Umesh Balasaheb Thombal	

Mrs S. M. Walke

Project coordinator



Mrs S. M. Walke

HOD E&TC

HEAD

Department of E & TC Engineering  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar

## BE E&amp;TC 2023-24 Batch

## Project Review Assessment Sheet

Date-

Group No	Project Title	Name of the Student	Exam Seat No	Introduction	Problem Statement	Objective	Scope of the work	Work Originality	Literature Survey:			Planning Schedule	Quality of Term work	Individual Contribution	Total
				5	3	5	2	5	International	National	Other				
1	Accident avoiding Bumper	Saurabh Bharat Bidave	B191013001	4	2	4	1	4	2	3	1	3	9	4	37
			B191013003	3	3	4	1	4	2	4	1	4	8	4	38
		Gunesh Sohanlal Gulati	B191013013	4	2	3	1	3	1	3	1	3	8	4	33
		Pritesh Narayan Takale													
2	Smart Energy Metering System	Vaishnavi Sanjay Khose	B191013006	4	2	4	1	4	2	4	1	4	9	4	39
		Vaishnavi Sudhir Kshirsagar	B191013007	3	2	3	1	4	2	3	2	4	9	3	36
		Nisha Rahul Rathod	B191013012	4	1	4	2	3	1	3	2	5	9	4	38
3	Eight Leg Spider Robot using Theo Johnsen Likeage Mechanism	Sheetal Harishchandra Pune	B191013009	3	2	3	1	2	1	3	1	3	8	3	32
		Gunesh Vishnu Khade	B191013005	2	2	3	1	3	1	4	1	3	7	3	30
		Umesh Balasaheb Thombal	carry ON												

*S. M. Walke*  
Mrs. S. M. Walke  
Project Coordinator



*S. M. Walke*  
Mrs. S. M. Walke  
HOD E&TC

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Department of E & TC Engineering  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepli, Ahmednagar





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## CIVIL ENGINEERING DEPARTMENT

Prof. V. V. Yewale is appointed as Chief Mentor of Civil Engineering department.

Chief Mentor details are as follows:

Name: V. V. Yewale

Contact No. : 7030709898

Email id: [varsha.yewale@scoe.org](mailto:varsha.yewale@scoe.org)

Department: Civil Engineering



  
H.O.D

HOD

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**Ahmednagar Jilha Vidya Prasarak Samaj's**  
**Shri Chatrapati Shivaji Maharaj College Of Engineering**  
**Nepti, Ahmednagar**  
**S.E. CIVIL.**

MENTOR NAME: **Prof. PAGARE S.S.**

MENTOR NAME: **Prof. GAWALI A.R.**

MENTOR NAME: **Prof. KAMBLE A. S.**

Sr. No.	Name	Sr. No.	Name	Sr. No.	Name
1	Girme Sharvari Dilip	1	Rajale Sakshi Sunil	1	Malik Priyanshu Shyam Sun
2	Chinchkar Suraj Haridas	2	Magar Akanksha Raosaheb	2	Pandhare Vijay Ankush
3	Pande Pranav Jagdish	3	Chitale Bharat Kacharu	3	Pawar Shubham Arun
4	Lonkar Prathmesh Rajendr	4	Kanthali Gaurav Dattatra	4	Sangale Vaibhav Tukaram
5	Pawar Yashraj Dilip	5	Bhagat Jay Mahadev	5	Shankh Parvin Ibrahim
6	Ninase Shraddha Satish	6	Akolkar Pooja Dadasaheb	6	Suryawanshi Poonam Ravi
7	Garudkar Sanket Digambar	7	Aru Shubham Dilip	7	Ambilwade Krishna Pradha
8	Shelake Ranjit Pratap	8	Ban Sheeram Omprakash	8	Bagade Krushna Santosh
9	Deshmane Pawan Shivail	9	Chandwale Shivam Sanjay	9	Dethe Ketan Bhausaheb
10	Pathan Sahil Shakil	10	Chennur Uday Santosh	10	Dhokane Omkar Gitaram
11	Garie Aditya Mahadev	11	Gharat Sumit Ankush	11	Nimbalkar Mayur Pradip
12	Hajare Omkar Krishna	12	Ghule Vyunkatesh Sanjay	12	Raskar Shushikant Chandra
13	Gavhane Sakshi Ashok	13	Gofane Bhagyshri Manoj	13	Suryawanshi Harshal Sant
14	Kardile Sayali Sandip	14	Jangale Praful Ramesh	14	Undare Rushikesh Santosh
15	Dawbhat Ashok Gangaram	15	Kadam Abhishek Machhindra	15	Walunekar Nikhil Dipak
16	Darode Sakshi Babasaheb	16	Kadam Shankar Machhindra	16	Zodge Dipak Sharad
17	Agre Saurabh Vitthal	17	Kadam Abhishek Machhindra		
18	Chahre Omkar Shrikant	18	Kadam Shankar Machhindra		
19	Jadhav Sujal Sanjay	19	Khaire Sakshi Somnath		
20	Ghodake Ashutosh Rajend	20	Khatik Rohit Ganesh		

  
**Chief Mentor**



  
**HOD**

**Civil Department**  
**Shri Chatrapati Shivaji Maharaj College**  
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Nepti, Ahmednagar**

**T.E. CIVIL**

**MENTOR NAME: PATIL G. S.**

**MENTOR NAME: PALASKAR S. M.**

Sr. No.	Name	Sr. No.	Name
1	Anhad Rushikesh Vijay	1	Aglawe Abhijit Dattatray
2	Dhere Krushna Gangadhar	2	Takur Akashsing Mulayam
3	Gawali Navnath Raghunath	3	Shaikh Mohd Aymaan Ajaud
4	Ghugarkar Manasi Santosh	4	Darandale Viraj Uday
5	Kashid Vimal Sakharan	5	Dhavane Rahul Ashok
6	Mhase Shivendra Ajay	6	Auti Amol Laxman
7	Yethekar Prasenjit Navnath	7	Belekar Bhakti Sunil
8	Adik Pallavi Prakash	8	Dasari Bharat Dattatray
9	Amale Trupti Subash	9	Dhage Pruthviraj Sharad
10	Falke Triveni Sandip	10	Kapre Mangesh Mahadeo
11	Gadekar Prajakta Raosaheb	11	Matta Pritika Sunil
12	Supekar Akanksha Umaji	12	Medhe Ashutosh Santosh
13	Thorat Pooja Bhagwan	13	Nimonkar Yash Balasaheb
14	Wavhel Indrayani Shivaji	14	Sarode Avinash Satish
15	Gahile Chaitanya Rajendra	15	Sase Dinesh Nilesh
16	Gund Nakul Raghunath	16	Shahfakir Firoj Akbar
17	Jadhav Pravin Bhagwan	17	Shaikh Arbaj Ibrahim
18	Jadgdale Aditya Ajaynath	18	Sonawane Kiran Balu
19	Kale Vaibhav Kaluram	19	Thombare Adi Gorakh
20	Nimse Aditya Vijay	20	Wakchaure Ramdas Sanjay
21	Satpute Kartik Raosaheb	21	Sharma Karan Kashmirilal

  
Chief Mentor



  
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**Shri Chatrapati Shivaji Maharaj College Of Engineering**  
**Nepti, Ahmednagar B.E. CIVIL**  
**B.E. CIVIL**

MENTOR NAME: YEWALE V. V.		MENTOR NAME: JAGTAP S. A.		MENTOR NAME: ATIARE M. P.	
Sr. No.	Name	Sr. No.	Name	Sr. No.	Name
1	Chobhe Abhishik Ravindra	1	Huse Anuja Shivaji	1	Belote Sohas Dattatray
2	Gangarde Samarth Ganesh	2	Ingale Krushna Balasaheb	2	Bhugbal Trupti Narendra
3	Inamdar Hujail Aliahmad	3	Jadhav Shital Gorakh	3	Chaudhary Shailesh Rajesh
4	Kadam Om Pradiprao	4	Kadam Namrata Kailas	4	Dantule Harshada Dinkar
5	Kale Om Avinash	5	Kadam Vedant Moreshwar	5	Deharekar Sumit Sunil
6	Khodkar Tejas Dadasaheb	6	Kale Dipali Chandrakant	6	Donta Gayatri Shrishailam
7	Lodhe Ganesh Sunil	7	Kanore Rutvika Shriniwas	7	Gaikwad Tanuja Mahadev
8	Nikrad Tejashree Chandrakant	8	Kharpude Shweta Raju	8	Gandhi Yash Dinesh
9	Pathan Juber Noormohamud	9	Kotkar Suraj Dnyaneshwar	9	Gangale Nikhil Nagnath
10	Pokharna Ayush Yogesh	10	Kotkar Umesh Ashok	10	Gawade Rutuja Anil
11	Rahinj Pooja Sanjay	11	Kulat Gaurav Radhakisan	11	Gote Prashant Gorakshnath
12	Sakhare Komal Haribhau	12	Kusalkar Shreyash Bhanudas	12	Hulage Rahul Virthal
13	Sapre Shraddha Tanhaji	13	Mane Mangesh Shivaji	13	Sapre Tushar Mohan
14	Shripat Sakshi Vajreshwar	14	Murumkar Yash Rajendra	14	Satpute Harshada Ganpat
15	Thombare Avantika Machhindra	15	Nimase Harshawardhan Govardhan	15	Shaikh Moin Shaphik
16	Wable Suyash Balasaheb	16	Pagare Mayuri Dhananjay	16	Shelke Prasanna Prakash
17	Aber Ajay Vijay	17	Phatake Pawan Babasaheb	17	Shirsath Vaishnavi Dadasaheb
18	Alhat Bhimraj Sopan	18	Pund Sakshi Rajendra	18	Tambe Aadesh Sunil
19	Athare Akanksha Pradip	19	Raut Pratik Rajendra	19	Temkar Rutuja Anil
20	Barse Manoj Fransis	20	Darekar Pranav	20	Wagh Abhijit Kailas
21	Gite Dipak Gorakh			21	Warule Trupti Gangadhar

*(Signature)*  
**Chief Mentor**

*(Signature)*  
**Head**



**Civil Department**  
**Shri Chatrapati Shivaji Maharaj College**  
**of Engineering, Nepti, Ahmednagar**





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## Department of Mechanical Engineering

Mr. M.D. Mandhre appointed as is Chief mentor of Mechanical Department.

Chief mentor Details are:-

Name:- Mohnesh Dnayneshwar Mandhre

Conatct No.:- 8149994098

E-Mail ID: - 8149994098

mohnesh.mandhre@scoea.org

Department: - Mechanical



HoD

Mechanical Department

HOD

Mechanical Department  
Shri Chhatrapati Shivaji Maharaj College  
Ahmednagar



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## Department of Mechanical Engineering Mentor Mentee List

**Class: SE**

**AY: 2023-24**

Sr. No.	Name of Student	Student No.	Parent No.	Mentor Name
1	AVHAD DNYANESHWAR SUNIL	8623989221	9096159221	Prof. A G Dekhane
2	BHALKE GAURAV SANTOSH	9689794064	9689794064	
3	BHOGADE PRATIK SANTOSH	8237828571	9005400520	
4	BHOSALE PREMRAJ PURUSHOTTAM	8767437331	7517552777	
5	CHAUDHARI CHAITANYA DATTATRAYA	7350276904	9096508869	
6	CHAURE RAHUL RAGHUNATH	7820898509	9881318680	
7	DAWBHAT ASHOK GANGARAM	8010337382	7720915375	
8	DHAVAN SWARAJ ANIL	9322877736	9545123333	
9	DODAKE NIKHIL LAHU	9021830117	9021830117	
10	DONGARE TUSHAR BALU	8010663859	9579190726	
11	GAIKWAD ADITYA BHAUSAHEB	9028927081	9028927081	
12	GAIKWAD SAHIL KAILAS	7387621445	9049357307	
13	GARAD TUSHAR ARUN	8055992101	8530218329	
14	GARGUND APARNA SATISH	9579649770	7058254208	
15	GHULE VAISHNAVI LAXMAN	9309030860	9309030860	
16	GIRE SHITAL SHRIKANT	9529290300	8010526898	
17	GUNJAL VIJAY SITARAM	9699142945	9850719583	
18	KANDEKAR GAURAV ANIL	9767136399	9960617095	
19	KARDILE RADHIKA RAJESH	8007610424	9420747482	
20	KOTKAR ABHIJEET RAOSAHEB	9607577575	9607577575	
21	KULAT PRATIK SHARAD	9022655354	9763537406	
22	LONDHE SANKET NANDU	8767012034	8767012034	
23	MARKAD RUTUJA MAHADEV	8830075682	8459230132	







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Sr. No.	Name of Student	Student No.	Parent No.	Mentor Name
24	MEHETRE NUTAN CHAKRADHAR	8208967990	8888184320	Prof. M G Kale
25	MUNGASE TEJAS SANDIP	9370837215	9284280593	
26	NEHUL DHIRAJ KISHOR	7219809674	9011854651	
27	NIMASE ROHIT VIJAY	7774016480	9834936480	
28	PAWAR AKASH MADHUKAR	8432278050	7620267490	
29	PAWAR AKSHAY BHANUDAS	8530396220	8530396220	
30	PAWAR VINAYAK RAJENDRA	7020926043	9823688029	
31	PUND RUSHABH MOHAN	9588401996	9623181648	
32	RAUT SUMIT KIRAN	9011527376	9552096555	
33	SASE NAYAN VILAS	9322235072	9322235072	
34	SATHE ABHIJIT MADHUKAR	9766224755	9766224755	
35	SHELAKA SATYAM VISHNU	8408054425	8408054425	
36	SHINDE DHANASHREE DNYANESHWAR	8329842698	8482883161	
37	THANGE AKSHADA SHIVAJI	9403620201	8767596305	
38	VISHAL RAVINDRA DUDHADE	9359548348	9359548348	
39	WAGH SHRIHARI CHANDRKANT	9322760535	8459658731	
40	ZAREKAR DIPAK SAKHARAM	9307489022	9307489022	
41	Aware Tejas Ravindra	9923278814	9923278814	
42	SONAWANE VAIBHAV BALU	9822812801	9822812801	
43	GUNJAL TEJAS DNYANESHWAR	9405403317	9405403317	
44	GAIKWAD RAVIRAJ SAMBHAJI	9011540998	9011540998	Prof. S P Jathar
45	CHAVAN AKSHATA SUBHASH	8329276640	8329276640	
46	SWANAND SAMBHAJI BANDAL	8080799745	8080799745	
47	MORE SHRADDHA DNYANDEV	7071547564	7071547564	
48	AWARE TEJAS RAVINDRA	9923278814	9923278814	
49	KIMBAHUNE ANJALI SANTOSH	9028365586	9028365586	
50	GOSAVI MAYURESH VIJAYKUMAR	8329368876	8329368876	
51	BHAWAR TUSHAR BALASAHEB	9322628241	9322628241	





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Sr. No.	Name of Student	Student No.	Parent No.	Mentor Name
52	SALUNKE DATTATRAY BABANRAO	7499179586	7499179586	
53	IROLE MAYURI DHANANJAY	7447645615	7447645615	
54	DHAGE VAISHNAV SUNIL	8830019781	8830019781	
55	WAGH DIPAK REVANNATH	8459340270	8459340270	
56	PATOLE TUSHAR DADASAHEB	7397834500	7397834500	
57	DHADGE PRAJWAL PRAKASH	7743899626	7743899626	
58	KOMPELLI RAHUL ANIL	7843043021	7843043021	
59	BITLA VARUN GIRISH	7558709318	7558709318	
60	KHETMALAS OMKAR ASHOK	8149473382	8149473382	
61	KHETMALAS JAYESH SATISH	9307121027	9307121027	
62	PRATHAMESH ANIL BARDE	9689793989	9689793989	
63	EDKE NARESH PRAVIN	9604732357	9604732357	
64	MHASKE AMRUTA RAJU	9579664020	9579664020	
65	MOHITE HARSHAL SANTOSH	9175785812	9175785812	
66	WAGH SHUBHANGI BHAUSAHEB	9022657641	9022657641	
67	SALVE AMIT NITIN	7775861209	7775861209	
68	HARISHCHANDRE NAYAN JANARDHAN	9075669597	9075669597	

**Prof. A S Kalhapure**  
Chief Mentor



**Prof. A B Kale**

**HOD**

**Mechanical Department**  
Shri Chhatrapati Shivaji Maharaj College  
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**Department of Mechanical Engineering**  
**Mentor Mentee List**

Class: TE

AY: 2023-24

Roll No.	Name of Student	Student No.	Parent No.	Name of Mentor
1	Autade Vaibhav Dilip	9359259486	9359259486	Prof. M. D. Mandhre
2	Bhalerao Omkar Ankushrao	8669585253	8669585253	
3	Bhoyate Shubham Sanjay	9834636470	9834636470	
4	Borse Amit Dhananjay	9881214313	8080484085	
5	Deotarase Saurabh Gokul	9422339263	9403883589	
6	Dhakane Krushna Digambar	8459264967	8459264967	
7	Jagdale Shriram Ashok	8767678386	8767678386	
8	Jagtap Aryan Dipak	9172317529	9172317529	
9	Joshi Tejas Sandip	9511703672	9730722918	
10	Kadiam Sunil Tukaram	8766870234	9075961335	
11	Kasar Sarthak Sunil	7796778758	7796778758	
12	Kiran Suryakant Dhamane	9049906555	8600692126	Prof. R. V. Rohamare
13	Korde Mahesh Ratnakar	956155155	8668656295	
14	Kulkarni Rajat Kiran	8805928394	7888291585	
15	Lande Shubham Dinkar	9172117263	9834929549	
16	Mahandule Narendra Anil	7499005834	7499005834	
17	Mulay Atharv Madhukar	9273933150	9273933150	
18	Mulay Vedant Nitin	9011457188	9011457188	
19	Nagude Shrikant Popat	9373625636	9373625636	
20	Nemane Prafulla Kailas	9822464553	7276747517	
21	Omkar Satish Harale	9881946303	9881946303	
22	Pathade Prasad Bhausaheb	9423005389	9423005389	





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Roll No.	Name of Student	Student No.	Parent No.	Name of Mentor
23	Sagar Bhujang Jadhav	9766018804	9766018804	Prof. A. S. Kalhapure
24	Sase Anurag Umakant	7058545307	7058545307	
25	Shaikh Mohammad Muaaz Mohammad Aslam	9881745857	9881745857	
26	Shaikh Sameer Sadik	7057937767	7057937767	
27	Shinde Bhagyashri Chandrakant	7769024923	9545386070	
28	Shinde Tejaswini Mangesh	7821852221	7821852221	
29	Supekar Shubham Pandurang	8788994796	8788994796	
30	Thange Ketan Chandrakant	9766000496	9766000496	
31	Ukirde Om Anil	8788494422	8788494422	
32	Waghmare Om Yogesh	8983762583	8983762583	

**Prof. A. S. Kalhapure**  
Chief Mentor



**Prof. A. B. Kale**

**HOD**

**Mechanical Department**  
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**of Engineering, Nepti, Ahmednagar**





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**Department of Mechanical Engineering**  
**Mentor Mentee List**

Class: BE

AY: 2023-24

Sr. No.	Name of Student	Student No.	Parent No.	Name of Mentor
1	Bhalekar Ganesh Sadashiv	8408848097	8668295385	Prof. Y. R. Rohamare
2	Bhalsing Shreyash Appasaheb	9422265132	9422954242	
3	Ekkaldevi Rutuja Narayan	8530750984	9423750984	
4	Gagare Kartik Jalindar	8796025431	8796025431	
5	Gaikwad Prashant Machhindra	8208509959	8208509959	
6	Gangarde Prafful Vijay	7887885256	9225328333	
7	Garule Somnath Ramdas	9112740797	7821049514	
8	Ghube Chanchal Sanjiv	9325481993	9665754178	
9	Gite Nikhil Deepak	9552546134	9881842797	
10	Harishchndre Omkar Arjun	8421187178	8999262218	
11	Jadhav Jaydeep Fakkad	8999396768	9922194608	
12	Kadus Shubham Bhausasheb	9527390230	9766103851	
13	Kale Amol Sampat	7028700837	7028700837	Prof. G. B. Salunke
14	Karale Vishal Balasasheb	7588938286	7588938286	
15	Karle Ganesh Bhausasheb	7296726724	9860863612	
16	Kashid Om Deepak	8956572323	7020738676	
17	Katore Vaishnav Vinayak	9370215878	9370215878	
18	Kshirsagar Rushikesh Raju	8668385158	9657279195	
19	Limbhore Pratiksha Sudam	9423194732	9423194732	
20	Mhaske Viraj Pravin	8856876150	9850147387	
21	Modhave Ashwini Ambadas	8766402978	8766402978	
22	Parkale Tushar Bhausasheb	7391979799	9359717234	





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Sr. No.	Name of Student	Student No.	Parent No.	Name of Mentor
23	Salve Vishal Sharad	7887991060	7887991060	
24	Sarode Ajay Ashok	8308139531	9657609466	
25	Shelke Sanket Sanjay	9922567755	9922567755	
26	Shirsathe Kunal Rajendra	9657421373	9503721753	
27	Shrimandilkar Pradnya Prakash	7420911327	9423464816	
28	Thorat Ramdas Prakash	7666980530	9822166363	
29	Thorat Vimal Bhausaheb	9370783257	9766292197	
30	Tokshiya Raunak Abhijit	7350748768	7745005556	

**Prof. A. S. Kalhapure**  
Chief Mentor



**Prof. A. B. Kale**

**HOD**  
**Mechanical Department**  
**Shri Chhatrapati Shivaji Maharaj College**  
**of Engineering, Nepti, Ahmednagar**





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## Department Of Computer Engineering

Mrs.P.S.Kohakade appointed as Chief Mentor of Computer Department.

Chief Mentor Details are as follows:

**Name:**Pallavi Suresh Kohakade

**Contact No:**9067701864

**Email id:**pallavi.kohakade@scoea.org

**Department:**Computer Engineering



HOD

Computer Engineering Department

HOD

Computer Department

Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar



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## Department of Computer Engineering

### Office Order


All Staff Members are hereby informed that our department has been following Mentor-student system for a long time to help each student and solve his/her problem. Following Mentees are assigned to respective staff (Mentor) for academic year 2023-24.

Prof.Rachcha S.P.	SE	1-25	
Prof.Kotkar P.D.	SE	26-50	
Prof.Kalase D.R.	SE	51-71	
Prof.Gade N.B.	TE	1-25	
Prof.Ghadage R.A.	TE	26-50	
Prof.Agale S.	TE	51-69	
Prof.Kohakade P.S.	BE	1-25	
Prof. Sweety Vanve	BE	26-50	
Prof.Chitale S.A.	BE	51-66	
Total No of Students			206

### Instructions:-

1. Staff have to compulsorily take a meet of their assigned mentees once a week online or offline mode. If a student does not meet the Mentor on a regular basis, in that case, the mentor will call his/her parents and inform about the irregularity of the student.
2. The Mentor will solve any difficulty he/she faces in all aspects of life, for example, academic difficulties, financial and psychological support, help in resolving problems related to scholarship, university affairs, hostel affairs, guidance for a future carrier, etc.
3. Mentor have to collect personal, academic and non-academic, achievements, extracurricular details, etc of assigned mentees.



  
Prof. V.V. Jagtap  
HOD

HOD  
Computer Department  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar





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## Department of Computer Engineering

Class-Second Year

AY-2023-24

Sr.No	Name Of Student	Contact No	Name of Mentor
1	ANBHULE MAHESH BHAGCHAND	8806693646	Prof.Rachcha S.P.
2	ANDHALE OM SUSHILKUMAR	7410743281	
3	ANKIT PANDURANG GAVKHARE	9937082071	
4	ATHARE KRISHNA ASHOK	8010044353	
5	AUTE ARTI JAGDISH	9168243447	
6	AVHAD SHRINIWAS BALASAHEB	7498480593	
7	BADE SHUBHANGI RAMNATH	8459420581	
8	BARAHATE OM ASHOK	9922226839	
9	BHALERAO INDRAJIT PURUSHOTTAM	9423788174	
10	BHUSARI SHRUTI GANESH	8261950173	
11	CHAUDHARI NIDHI DILIP	7058770781	
12	CHAUDHARI SHRUTIKA RADHUJI	9420801215	
13	DAHARE ABHISHEK JAGDISH	9923092666	
14	DALVI ANKITA SATISH	9822420053	
15	DARDA KOMAL JAGDISH	9359888605	
16	DAREKAR SANCHET SANTOSH	7498070359	
17	DESHMANE PAYAL BALASAHEB	9765110367	
18	DESHMUKH PRAJWAL NAVNATH	7218940428	
19	DESHMUKH SAMIKSHA NITIN	8805009191	
20	DHERE RAJASHRI NANASAHEB	8788008550	
21	FARATE ISHWARI MARUTI	9049522980	
22	FULSAUNDAR ONKAR TUSHAR	9657770777	
23	GAGARE VIDYA VIJAY	7350119367	
24	GAIKWAD VAISHNAVI AKASH	9322318280	
25	GAIKWAD VIKAS PRAKASH	8605253329	
26	GANDHI PURVA VINOD	9096395757	Prof.Kotkar P.D.
27	INGALE OM SATISH	8275898998	
28	JAGDALE PRANAV SANTOSH	9423387395	
29	KAKADE AYUSH SANJAY	8308843927	
30	KANDEKAR ONKAR ANIL	8605393371	
31	KANKALE AYUSH SUDHIR	9850214702	
32	KARALE ASHWINI DYANDEV	9146372349	
33	KHARAT MAYURI DATTA	9503231249	
34	KHEDKAR RUTUJA DATTATRAY	9423733443	
35	KIRDAK ROHAN GORAKH	8600333547	
36	KOMAL BAPU UNDE	9975445122	
37	KURHE PRADNYA SAMBHAJI	9860547481	
38	LABADE PRATIK LAHANU	7559312856	
39	LASHKARE SWAPNALI RAVSAHEB	8208035676	
40	MADANE TUSHAR BALASAHEB	8329640404	
41	MAID ALANDIKAR OMKAR PRAKASH	9422947111	
42	MHASKE AJINKYA SUHAS	9322532190	
43	NAGARGOJE MANOJ BAYAJI	8308033020	







Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

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## Department of Computer Engineering

44	NIMASE BHARATI VIJAY	9545791662	
45	PANDORE SUDIP SOMNATH	9890136307	
46	PATEL ROMAN RIYAZ	7498458023	
47	PATIL RENUKA ANANT	8668277653	
48	PATOLE UDAY MACHHINDRA	8605779365	
49	POOJA BABASAHEB KOTHULE	9834190629	
50	RAJANKAR YOGESH SANTOSH	9067225670	
51	ROKADE ANIKET BHAGWAT	8010976705	
52	SASE BHAKTI ARUN	7020764318	
53	SHAIKH AVESH SHAFIK	9822758374	
54	TAKE PRANOTI SUHASKUMAR	7020969636	
55	TANAY PRASHANT KULKARNI	7447352568	
56	THETE SNEHA DATTATRAY	9766618025	
57	THOKAL PAYAL DATTATRAY	8788651413	
58	THORAT VAISHNAVI YASHWANT	9325876605	
59	TODMAL CHAITANYA BHARAT	9975374945	
60	TODMAL SHRUTI BALAJI	8669106261	
61	TRIBHUVAN RENUKA SAMBHAJI	9822975344	
62	UGALE MUKUND SANDESH	9561782981	
63	VIDHATE SANJANA VASANT	9075353875	
64	WABLE ROHAN SHARAD	7020524719	
65	WABLE SNEHAL SHIVAJI	8805851966	
66	WAGH AKANSHA DATTATRAYA	9850005153	
67	WANDHEKAR PRERANA VISHAL	8767407648	
68	WANI GIRISH GORKSHANATH	9307171951	
69	WANKHEDE MANISHA BABAN	9356998767	
70	ZENDE ANJALI VIKRAM	8208323242	
71	KEDARI MANOJ	8983312621	

Prof.Kalase D.R.

*P.S.*

Chief Mentor

Prof.P.S.Kohakade



*V.V. Jagtap*

HOD

Prof.V.V.Jagtap

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Computer Department  
Shri Chhatrapati Shivaji Maharaj College  
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## Department of Computer Engineering

Class-Third Year

AY-2023-24

Sr.No	Name of Staff	Contact No	Name of Mentor
1	ANBHULE RUSHIKESH PRALHAD	8669373258	Prof.N.B.Gade
2	BEDRE RUPALI SANTOSH	8010304016	
3	BHALGAT SAKSHI MANOJ	9699449044	
4	BHUJBAL SHRUTI MILIND	9653154568	
5	CHAKANE SAMRUDDHI KAILAS	9309135990	
6	CHEDE PALLAVI VIJAY	7057665621	
7	CHITALE SHRADDHA CHANDRAKANT		
8	DARADE PRANJALI SAMPAT	9881319477	
9	DESHMUKH ATHARVA VISHNU	8265062617	
10	GANGISHETTY APARNA JITENDRA	9623263814	
11	GAWALI CHAITALI RAJENDRA	9579781761	
12	GAWALI UDDHAV BALASAHEB	9730482425	
13	GHODAKE ABHIJIT BAPURAO	7020253522	
14	GHODAKE PRATIKSHA RAJENDRA	9518520744	
15	GUNJAL HARSHVARDHAN SANJAY	7249599127	
16	HOLE TUSHAR SUNIL	9325446034	
17	JADHAV NIKITA YOGESH	9356608490	
18	JAGTAP VAISHNAVI SANJAY	9527744548	
19	JAHAGIRDAR ABDUL BASIT SAMEER	9175867086	
20	KALASKAR NIKITA KAILAS	9834412852	
21	KANDEKAR ANJALI KHANDU	9763025736	Prof.Ghadage R.A.
22	KARALE AKANKSHA BHAUSAHEB	9529580702	
23	KARLE PRACHI KUNDLIK	9420201473	
24	KATARIYA TEJAL DILIP	9420201473	
25	KHARMATE GANESH VISHNU	7498949771	
26	KHESE NIKITA VIJAY	8669517894	
27	KHESE POOJA DNYANDEV	9422515967	
28	KHOBARE BHAKTI SAHEBRAO	9920899132	
29	KOLTE JAY BANDU	9359036035	
30	KSHIRSAGAR KALYANI JAYRAM	9322516792	
31	KSHIRSAGAR MADHAVI DINESH	8308207973	
32	KUHILE SARTHAK BALASAHEB	9823849036	
33	KULKARNI AKANKSHA GANESH	8080140092	
34	LAMKHADE PRAJAKTA VIJAY	7066220487	
35	LANDE DIVYA SAMBHAJI	9322170115	







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36	LIPANE PRATIK ARJUN	7499340060
37	LOMATE SAURABH ASHOK	7276237653
38	MALI OVI ARVIND	7276674568
39	MANSUKE ARTI AJIT	9307823990
40	MHASKE YOGESH AMBADAS	8421887511
41	MOKATE DIPTI NAVANATH	9130522087
42	MUNDE RUTUJA ANKUSH	8600785509
43	MUTHA AAYUSH ROHINISH	9022619529
44	NAT AKSHATA GORAKH	9420185689
45	OSTWAL SAKSHI SANDIP	8793828265
46	PADALKAR SAHYADRI SANTOSH	9850981064
47	PALVE DATTA KIRAN	9284900245
48	PANDHARE RUSHIKESH BALU	9975515321
49	PANDIT SUPRIYA DATTATRAY	9307815234
50	PARBHANE PURVA RAVINDRA	9322947935
51	PUND NIKITA VIJAY	8421887511
52	RAJHANS VAISHNAVI RAJENDRA	9022626484
53	RAPARIYA KHUSHI SANDEEP	7385152132
54	ROHOKALE MINAKSHI BALASAHEB	9404933293
55	RUPNAR KUNAL NIVRUTTI	7588358801
56	SABLE ONKAR MAHADEO	8669357241
57	SALUNKE SAYALI ANIL	9011151575
58	SANGLE PRATIKSHA MALHARI	7350764512
59	SARODE PRIYA PRASHANT	9284576133
60	SATHE ABHISHEK BABASAHEB	8261965970
61	SHAIKH FIROJA HARUN	9529932950
62	SHELKE GITANJALI RAMESH	8381090385
63	SHELKE PRITI PRAKASH	9322265750
64	SHINDE VAISHNAVI UMESH	9850326939
65	SHINGAVI AKSHADA KISHOR	9307180558
66	SONAWANE GAURAV GOKULDAS	8530574106
67	TEMKAR VISHAL SAINATH	7588437410
68	TIDAKE VAIBHAV SAMBHAJI	9307272883
69	UDAMALE KARTIK AMBADAS	9370220056
70	WALKE OMKAR NITIN	9309541587
71	YEWALE DURGESH BAJIRAO	8767569070
72	ZINJ VRUSHALI ANIL	9657553232

Prof. Agale S.S.

Chief Mentor

Prof. P.S. Kohakade

HOD

Prof. V.V. Jagtap



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**Computer Department**  
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### Department of Computer Engineering

Class-Fourth Year

AY-2023-24

Sr.No	Name of Student	Contact No.	Name of Mentor
1	AJABE GAYATRI SANTOSH	7498143553	Prof.P.S.Kohakade
2	ANDHALE AKANSHA SANJAY	9021721324	
3	AUTI SURYAKANT BALU	8208790129	
4	AVHAD HARESHWAR VAJJINATH	7666736126	
5	BANSODE PRATIK RAJU	9850586057	
6	BHOGE GITANJALI HARI	9172214267	
7	BINGI SEJAL RAJENDRA	9373862083	
8	CHAUDHARI GAYATRI SAMBHAJI	9322408992	
9	CHEMATE SUKESHINI SANJAY	8459149240	
10	DAHARE ATHARV ASHOK	8830334422	
11	DAHIBHATE SHUBHAM VASANTRAO	7620128637	
12	DALVI ANIKET SANTOSH	9075864212	
13	DANAVE RAM ANNASAHEB	9325030103	
14	DESHMUKH PRATIKSHA BHAUSAHEB	8888010389	
15	DHAGE MANASI DEVRAM	8888384222	
16	DHAWALE ADITYA NANDKUMAR	8975410190	
17	DHIWAR PRITI MOHAN	8767386662	
18	DHUMAL YADNESH SANJAY	7385365625	
19	GAIKWAD KRISHNA TULSHRAM	7499481974	
20	GHAVTE SUDAM ARUN	7264986385	
21	GHONGADE SHUBHANGI DHARMANATH	9881061711	
22	GORE NAMODEVI GORAKSHANATH	7058534342	
23	GUNJAL BHUSHAN SANJAY	7387309306	
24	HILGUDE GAYATRI ANIL	9527163414	
25	HIRWE JANHAVI DHIRAJ	8793638183	
26	JADHAV MANISH MAHESH	7057345822	
27	JADHAV PRATHAMESH VILAS	7385552872	
28	KADAM ADITYA DIPAK	8483935053	
29	KADUS SAYALI RAM	8208042671	
30	KAMLAPURKAR ANIKET YASHWANT	8329177123	
31	KARALE MOHINI RAJENDRA	7588333684	
32	KASHID VEDA NANDKUMAR	9552640866	
33	KATKAR PRACHI BHAUSAHEB	9370730131	
34	KAWADE SUJIT RAJARAM	9921021451	
35	KHANDAVE VRUSHALI DATTATRAY	9325012333	
36	KHARADE DNYANESHWAR DATTATRAY	9067253480	
37	KHARAT PRANJAL SHARAD	9373642747	
38	KSHETRE SUSHMITA SURYAKANT	9112723299	
39	KULKARNI JAY DINESH	7666415816	
40	KUMBHAKHELE AMIT MOHAN	7887461109	





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41	LODHE SHRIPAD BHIKAJI	9359393022	Prof.Wanve S.A.
42	MARATHE PRASAD DILIP	9130250851	
43	METE ADITYA SANDEEP	8605214274	
44	METE SARTHAK SHIVAJI	8766865216	
45	MOTE VAISHNAVI SHIVAJI	7028211533	
46	NAWALE GAURAV SARJERAO	9422394511	Prof.Chitale S.V.
47	NIMBALKAR YASH UMESH	9373976939	
48	PARJANE TUSHAR MADHUKAR	9403270059	
49	PATIL SAMARTH SHRIRAM	9822566531	
50	PAWAR CHAITANYA VIJAY	7620604750	
51	POKALE PRAMILA SHARAD	9764221717	
52	RAIKWAD ROHAN ABHAY	8446873397	
53	SHAIKH AFJAL ADAM	9730538501	
54	SHAIKH GULFAM SHAHANAVAJ	7768866875	
55	SHARMA KHUSHBU PUNAMCHAND	9730734481	
56	SHELAR CHINMAY SUNIL	8855970648	
57	SHINDE ABHISHEK SHRIKANT	9762313259	
58	SHINDE OMKAR BABAN	8600127884	
59	SHINDE VAISHNAVI DNYANESHWAR	9075854810	
60	SHIRSATH NIKITA JANARDAN	9373824550	
61	SHRIPAT KOMAL SANJAY	9527470922	
62	SUDAKE ANUSHKA BHAUSAHEB	9405034560	
63	UDMALE ASHIWIN SANJAY	9325467195	
64	VINAY KUMAR PANDEY	7888241095	
65	VYAPARI ABHISHEK BALASAHEB	7620935996	
66	WADATE NEHA RAMCHANDRA	8080040071	
67	WAMAN AKANKSHA VIJAY	7028518193	
68	WANDHEKAR VAIBHAV SHASHIKANT	7744870152	

Chief Mentor

Prof.P.S.Kohakade



HOD

Prof.V.V.Jagtap

**HOD**  
**Computer Department**  
**Shri Chhatrapati Shivaji Maharaj College**  
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## Department of Electronics and Telecommunication Engineering

Prof. D. A. Ghanwat appointed as is chief mentor of E&TC department.

Chief Mentor Details are:-

Name: - D. A. Ghanwat

Contact no.:- 7517296606

Email id: - [deepali.ghanwat@scoea.org](mailto:deepali.ghanwat@scoea.org)

Department:- Electronics and Telecommunication engineering

**HOD**

**Mrs. S M Walke**

**HEAD**

Department of E & TC Engineering  
Shri Chhatrapati Shivaji Maharaj College  
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**Department of Electronics and Telecommunication Engineering**

**Mentor Mentee**

**Academic year 2023-24**

**Office order**

**Year: SE**

Roll No.	Name of Student	Mob. No	Name of Mentor
1	AGHAV GEETA BHAGVAT	9309537390	Prof. K.S. Bhole
2	ATOLE SHRADDHA GANESH	8010859022	
3	BANGAR SANKET SANDIP	8177837313	
4	BANSODE JUI HEMANT	8999617938	
5	BHUSARI AKSHAY MACHHINDRA	8010491641	
6	BORGE PRATIKSHA PANDURANG	9699251596	
7	BORUDE ADITYA HARISHCHANDRA	9325320596	
8	CHAKRANARAYAN SHREYAS SANJAY	9112453394	
9	DALVI ATHARV DIPAK	9322325348	
10	DESHMUKH AJAY DNYANESHWAR	9359656592	
11	DEVADHE SAYALI ASHOK	8766830340	
12	DHAYBAR HARSHADA ANNASAHEB	9881902026	
13	GANGARDE RAHUL DADASAHEB	7666080521	
14	GARJE AJIT SHRIRAM	8788850164	
15	HAJARE SARITA DHONDIRAM	9552481150	
16	HANDORE BHARAT SANJAY	7350351945	
17	HOLE MAYURI ANIL	9049810018	







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18	IRKAL SNEHAL SANTOSH	9322945223	Prof. A. R. Mane
19	JANGALE VISHAL SATISH	8459989187	
20	JARHAD SANKET SAKHARAM	9322534206	
21	JOSHI SAMRUDDHI PRAKASH	7058623257	
22	KARDILE PREETI SHARAD	8010474820	
23	KHEDKAR VAISHNAVI DEVDATTA	8010320092	
24	MARKAD VIVEK DADASAHEB	8010044353	
25	MOTKAR KARAN SAMBHAJI	8149717005	
26	PATEL ALMAS RAJMAHAMMAD	9767126599	
27	PAWALE SHRADDHA BALASAHEB	8799827012	
28	PAWAR KUSHAL RAM	9284014153	
29	RASANE DHANSHREE KALIDAS	8788348855	
30	THANGE ARATI SAMBHAJI	9657593232	
31	THORAT PRATIK SHIVAJI	8010307992	
32	YADAV VEDANT VIDHYANANAD	8010562635	
33	ZAREKAR PRAJWAL DATTATRAY	7820890257	
34	ZAWARE SHRIKANT SUNIL	9403924217	

Chief Mentor  
Prof D. A. Ghanwat



HOD  
Prof. S. M. Walke

HEAD  
Department of E & TC Engineering  
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## Department of Electronics and Telecommunication Engineering

Mentor Mentee

Academic year 2023-24

Office order

Year: TE

Roll No.	Name of Student	Mob. No	Name of Mentor
1.	BERAD AKANKSHA ASHOK	9270082765	Prof. D. A. Ghanwat
2.	BHAGAT SANKET PANDHARINATH	9146794711	
3.	BHANAGE GANESH JALINDAR	9130305263	
4.	DATIR GUNJAN SAMBHAJI	8080948436	
5.	FARANDE ONKAR NAVNATH	8830554640	
6.	GAIKWAD ANIRUDDHA ATUL	8624002437	
7.	GAWALI NIKITA MANIK	8080426702	
8.	GHADGE SHAILESH BABAN	9657210584	
9.	GHORPADE DHANASHRI PRAKASH	7028105965	
10.	JADHAV SHUBHAM SUDHIR	7972553063	
11.	JAGDALE AMRUTA SANJAY	9730214562	
12.	JAGTAP MAYURI VAJJINATH	9730778323	
13.	JOSHI TANUJA SANJAY	9373115092	
14.	KAMBLE PRITI SUDHIR	9307276497	
15.	KAPRE RUSHIKESH BHASKAR	9850325640	
16.	KHAMKAR VAISHNAVI NAVNATH	9307205556	
17.	KOLHE LAXMAN GOKUL	9370674316	
18.	LOTAKE VAISHNAVI SAMBHAJI	8080595635	
19.	MORE VAISHNAVI CHANDRAKANT	9356575285	







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20	NIMBALKAR YASH RAJENDRA	7218977904
21	PANCHAL KHUSHI LALITKUMAR	9527097259
22	PARKALE TEJAS BHAUSAHEB	9834934150
23	PAWAR SAKSHI RAJENDRA	9373932831
24	RAUT ANIKET DILIP	7350559667
25	ROKADE MAHESH CHHABU	9356649619
26	SAKSHI GANESH KURHE	7796708365
27	SANIYA SAMIR MANYAR	8767882771
28	SAWANT VAISHNAVI RAMDAS	9405072427
29	SHAIKH MAHEK HAROON	9834606609
30	SHELKE ABHIJEET POPAT	7499726556
31	SHINDE VAISHNAVI RAJU	9420628141
32	THORAT PRITISH PRABHAKAR	9096262749
33	UNDE KIRAN RAVINDRA	7972922329
34	VIRKAR HARSHADA TUKARAM	9075293317
35	WALUNJ SHUBHAM RAMDAS	7447656882
36	WANDHEKAR SAKSHI RAVSAHEB	9767410753
37	ZINJURDE NIKHIL BABASAHEB	9021805239
38	ZINJURDE SHWETA BABASAHEB	8380943093

Chief Mentor

Prof D. A. Ghanwat



HOD

Prof. S. M. Walke

HEAD

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## Department of Electronics and telecommunication Engineering

**Mentor Mentee**

**Academic year 2023-24**

**Office order**

**Year: BE**

Roll No.	Name of Student	Mob. No	Name of Mentor
1	BIDAVE SAURABH BHARAT	7387701387	Prof. A. K. Kulkarni
2	GULATI GANESH SOHANLAL	7028306406	
3	KHADE GANESH VISHNU	7776907868	
4	KHOSE VAISHNAVI SANJAY	8080445149	
5	KSHIRSAGAR VAISHNAVI SUDHIR	9689315065	
6	PUNE SHITAL HARISHCHANDRA	9860986038	
7	RATHOD NISHA RAHUL POURNIMA	9890911477	
8	TAKALE PRITESH NARAYAN	9637740021	
9	THOMBAL UMESH BALASAHEB	9552762818	

**Chief Mentor**  
Prof D. A. Ghanwat



**HOD**  
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Date:-09/08/2023

## Notice

### **Mentor –Mentee Meeting**

All students of Civil Engineering department are hereby informed to meet their respective mentors on as per schedule in Time Table. In this mentor-mentee meeting you can clarify any doubts you may have pertaining to academics or functioning of the college. All staff of Civil Engineering Department informed to conduct Mentor – Mentee Activity as per time table.

**Chief Mentor**



**HOD**

**Civil Department**

**Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar**





AhmednagarJilha Maratha Vidya Prasarak Samaj's

**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005. Maharashtra

Phone No :- 0241 -2568383

Unipune - ID CEGA019270

Fax No: - 0241 -2568384

Email: ajmvps123@gmail.com, scsmcoe.anr@gmail.com, Website: www.scoe.org

**Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.**

Date:-04/09/2023

## Notice

### **Mentor –Mentee Meeting**

All mentors of Civil Engineering department are hereby informed that take meeting of mentee and conduct mentoring activity as per schedule in Time Table. Any one following activity you can conduct:-

- Aptitude Test
- Group Discussion
- Presentation
- Debate
- Interview Skill etc...

**Chief Mentor**



**HOD**

**Civil Department**  
**Shri Chhatrapati Shivaji Maharaj College**  
**of Engineering, Nepti, Ahmednagar**





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Date:-03/10/2023

## Notice

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- Presentation
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Date:-13/01/2024

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Date:-07/02/2023

## Notice

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- Presentation
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**Chief Mentor**



  
**HOD**  
**Civil Department**  
**Shri Chhatrapati Shivaji Maharaj College**  
**Nepti, Ahmednagar**

# Mentor Mentee Activities





# Presentation Skill



Student Prepared PPT on Given Topic and Present





Presentation by students







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## APTITUDE TEST

Name of Students: .....

Class:-.....Date:-.....Time :- .....

Department:-..... Roll No.:- .....Day:- .....

Q.1] A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour? A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?

- A) 3.6                      B) 7.2                      C) 8.4                      D) 10

Q.2] An aeroplane covers a certain distance at a speed of 240 kmph in 5 hours. To cover the same distance in  $1\frac{2}{3}$  hour, it must travel at a speed of?

- A) 300kmph                      B) 360kmph                      C) 600kmph                      D) 720kmph

Q.3] Here are some words translated from an artificial language.

*gorblflur* means fan belt

*pixngorbl* means ceiling fan

*arthtusl* means tile roof

Which word could mean "ceiling tile"?

- A) *gorbltusl*                      B) *flurgorbl*                      C) *arthflur*                      D) *pixnarth*

Q.4 One morning Udai and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Udai, which direction was Udai facing?

- A) East                      B) West                      C) North                      D) South

Q.5 Look at this series: 7, 10, 8, 11, 9, 12, ... What number should come next?

- A) 7                      B) 10                      C) 12                      D) 13

Q.6 Look at this series: 22, 21, 23, 22, 24, 23, ... What number should come next?

- A) 22                      B) 24                      C) 25                      D) 26

Q.7 A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P?

- A) A                      B) X                      C) S                      D) Z



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**Q.8 Statements:** Some actors are singers. All the singers are dancers.

**Conclusions:**

1. Some actors are dancers.
2. No singer is actor.

- A. Only (1) conclusion follows
- B. Only (2) conclusion follows
- C. Either (1) or (2) follows
- D. Neither (1) nor (2) follows
- E. Both (1) and (2) follow

**Q.9 Synonym of CORPULENT**

- A) Lean B) Gaunt C) Emaciate D) Obese

**Q.10 SCD, TEF, UGH, \_\_\_\_\_, WKL**

- A) CMN B) UJI C) VIJ D) IJT

**Q.11 FAG, GAF, HAI, IAH, \_\_\_\_\_**

- A) JAK B) HAL C) HAK D) JAI

**Q.12 How many Artificial Intelligence Centres of Excellence were established by Union Education Minister Dharmendra Pradhan?**

- A) Two B) Three C) Four D) Five

**Q.13 Which company partnered with the Ministry of Skill Development & Entrepreneurship to launch an AI assistant for the Skill India Mission?**

- A) Meta B) Google C) Microsoft D) IBM

**Q.14 Which district in Kerala has been equipped with advanced X-band radar to enhance disaster preparedness after devastating floods and landslides in July 2024?**

- A) Idduki B) Kottayam C) Wayand D) Thrissur

**Q. 15 Which planet's moon is the focus of NASA's Europa Clipper mission?**

- A) Jupiter B) Saturn C) Uranus D) Neptune







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## APTITUDE TEST

Name of Students: Anhad Rushikesh vijay

Class:- TE Date:- ..... Time :- .....

Department:- civil Roll No.:- 09 Day:- .....

Q.1] A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour? A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?

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- A) A      ☒ B) X      C) S      D) Z



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- A) Lean B) Gaunt C) Emaciate D) Obese

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- A) Jupiter B) Saturn C) Uranus D) Neptune

*S. K. S.*  
Mentor







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Q.11 An accurate clock shows 8 o'clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 2 o'clock in the afternoon?

- A)  $144^\circ$  B)  $150^\circ$  C)  $168^\circ$  D)  $180^\circ$

Q.12 A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was:

- A) 14 years B) 18 years C) 33 years D) 38 years

Q.13 In which Indian state did the Bharatiya Kala Mahotsav, showcasing Northeast India's culture, conclude?

- A) Assam B) Telegana C) West Bengal D) Kerala

Q.13 In what year was the Prevention of Money Laundering Act (PMLA) passed in India?

- A) 2002 B) 2010 C) 1995 D) 2005

Q.14 A hall is 15 m long and 12 m broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of four walls, the volume of the hall is:

- A) 720 B) 900 C) 1200 D) 1800

Q.15 Tanya is older than Eric.

Cliff is older than Tanya.

Eric is older than Cliff.

If the first two statements are true, the third statement is

- A) True B) False C) Uncertain D) none of the above





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**APTITUDE TEST - 2**

Name of Students: Satpute Kartik Rakesh

Class:- T.E Date:- ..... Time :- .....

Department:- Unit Roll No.:- 22 Day:- .....

Q.1 The angle of elevation of a ladder leaning against a wall is  $60^\circ$  and the foot of the ladder is 4.6 m away from the wall. The length of the ladder is:

- A) 2.3 m B) 4.6 m C) 7.8 m D) 9.2 m



Q.2 From a point P on a level ground, the angle of elevation of the top tower is  $30^\circ$ . If the tower is 100 m high, the distance of point P from the foot of the tower is:

- A) 149 m B) 156 m C) 173 m D) 200 m

Q.3 Which institution is set to launch a global research centre in Dubai in early 2025?

- A) IIT Madras B) IIT Delhi C) IIT Bombay D) IIT Kanpur

Q.4 In which metropolitan region does Niti Aayog propose to develop 'EduCities' to enhance higher education?

- A) Mumbai B) Pune C) Bangalore D) Delhi

Q.5 Given that  $10^{0.48} = x$ ,  $10^{0.70} = y$  and  $x^z = y^2$ , then the value of z is close to:

- A) 1.45 B) 1.88 C) 2.9 D) 3.7

Q.6 Look at this series: 22, 21, 23, 22, 24, 23, ... What number should come next?

- A) 22 B) 24 C) 25 D) 26

Q.7  $(17)^{3.5} \times (17)^7 = 17^8$

- A) 2.29 B) 2.75 C) 4.25 D) 4.5

Q.8 Marathon is to race as hibernation is to

- A) Winter B) Bear C) Dream D) Sleep

Q.9 Find the odd man out. 3, 5, 11, 14, 17, 21

- A) 3 B) 14 C) 21 D) 5

Q.10 SCD, TEF, UGH, \_\_\_\_, WKL

- A) CMN B) UJI C) VJI D) IJT





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Cliff is older than Tanya.

Eric is older than Cliff.

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*Mentor*





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Date: 26/09/2023

## Department of Computer Engineering

### Aptitude Test Result (SE)

Sr. No.	Timestamp	Score	Full name of student	Mobile No
1.	9/26/2023 2:46:03	25 / 50	Nimase Bharati vijay	9637282094
2.	9/26/2023 2:46:50	39 / 50	Abhishek dahale	9766155492
3.	9/26/2023 2:46:53	39 / 50	Prajwal Navnath Deshmukh	7218940428
4.	9/26/2023 2:46:54	39 / 50	Pandore sudip somnath	7774906497
5.	9/26/2023 2:47:28	40 / 50	Fulsaundar Onkar Tushar	9130820044
6.	9/26/2023 2:47:29	40 / 50	Mahesh Bhgachand Anbhule	8806693646
7.	9/26/2023 2:47:30	40 / 50	Ugale mukund sandesh	7020103240
8.	9/26/2023 2:47:54	40 / 50	Jagdale Pranav Santosh	9673340557
9.	9/26/2023 2:48:01	40 / 50	Madane Tushar Balasaheb	8010196768
10.	9/26/2023 2:48:15	40 / 50	Todmal Chaitanya Bharat	8767576165
11.	9/26/2023 2:48:16	27 / 50	Ayush sudhir kankale	9284582601
12.	9/26/2023 2:48:24	40 / 50	Darekar sanchet Santosh	8799931919
13.	9/26/2023 2:49:07	43 / 50	Athare Krishna Ashok	9404079347
14.	9/26/2023 2:49:22	34 / 50	Wagh Akansha Dattatraya	8421486914
15.	9/26/2023 2:49:46	43 / 50	Mukesh bayaji nagargoje	8263971103
16.	9/26/2023 2:49:52	37 / 50	Swapnil santhosh Bande	9404256133
17.	9/26/2023 2:49:53	45 / 50	Girish Gorkshanath Wani	8446171951
18.	9/26/2023 2:50:26	38 / 50	Renuka Anant Patil	8668277653
19.	9/26/2023 2:51:01	16 / 50	Onkar Anil Kandekar	8605511560
20.	9/26/2023 2:51:03	40 / 50	Vidhate Sanjana vasant	9011090610





21.	9/26/2023 2:51:07	37 / 50	Dhere Rajashri Nanasaheb	9373601976
22.	9/26/2023 2:51:09	37 / 50	Phatake Nikita Indrajit	8856868226
23.	9/26/2023 2:51:43	33 / 50	Shruti Ganesh Bhusari	8261950173
24.	9/26/2023 2:51:58	42 / 50	Komal Unde	7058090815
25.	9/26/2023 2:52:14	43 / 50	Ayush	7276585689
26.	9/26/2023 2:52:21	23 / 50	Yogesh Rajankar	9067225670
27.	9/26/2023 2:52:59	32 / 50	Pratik Arun Patil	8459587528
28.	9/26/2023 2:53:13	33 / 50	Manoj santosh kedari	8983312621
29.	9/26/2023 2:54:04	35 / 50	Thorat vaishnavi yashwant	9325876605
30.	9/26/2023 2:54:04	35 / 50	Sneha dattatray thete	9021600433
31.	9/26/2023 2:54:07	33 / 50	Ankit Gavkhare	8093121501
32.	9/26/2023 2:54:59	36 / 50	Omkar Maid	9067085359
33.	9/26/2023 2:54:59	37 / 50	Shrutika radhuji chaudhari	9422690833
34.	9/26/2023 2:55:21	48 / 50	Kurhe Pradnya Sambhaji	8010202081
35.	9/26/2023 2:56:18	25 / 50	Om Sushilkumar Andhale	7410743281
36.	9/26/2023 2:56:35	41 / 50	Sase Bhakti Arun	9356070730
37.	9/26/2023 2:56:41	37 / 50	Pratik Lahanu Labade	7559312856
38.	9/26/2023 2:57:13	35 / 50	Take Pranoti Suhaskumar	7666359353
39.	9/26/2023 2:57:21	35 / 50	Aute Arti Jagadishrao	9552483448
40.	9/26/2023 2:57:28	42 / 50	Lashkare Swapnali Ravsaheb	9699307358
41.	9/26/2023 2:57:39	38 / 50	Wable Snehal Shivaji	8605923171
42.	9/26/2023 2:57:59	36 / 50	Shruti Balaji Todmal	9022662566
43.	9/26/2023 2:58:00	30 / 50	Mayuri Kharat	9503231249
44.	9/26/2023 2:58:04	37 / 50	Shriniwas balasaheb avhad	74984 80593
45.	9/26/2023 2:58:12	36 / 50	Rutuja dattatray khedkar	9561673443
46.	9/26/2023 2:59:34	33 / 50	Thokal payal dattatray	8177954621
47.	9/26/2023 2:59:50	37 / 50	Anjali Vikram Zende	9850425965
48.	9/26/2023 2:59:50	38 / 50	Deshmane payal Balasaheb	9518998243
49.	9/26/2023 2:59:53	30 / 50	Tribhuvan Renuka Sambhaji	9075431044
50.	9/26/2023 3:00:02	40 / 50	Nidhi chaudhari	9881086829
51.	9/26/2023 3:00:13	38 / 50	Samiksha Deshmukh	9322548445
52.	9/26/2023 3:00:23	34 / 50	Prerana Vishal Wandhekar	8767407648
53.	9/26/2023 3:00:52	35 / 50	Gagare Vidya Vijay	9552462824



54.	9/26/2023 3:01:23	39 / 50	Shaikh Avesh shafik	9021467913
55.	9/26/2023 3:01:32	43 / 50	Dalvi Ankita Satish	8208877601
56.	9/26/2023 3:02:04	39 / 50	Farate Ishwari Maruti	9922412980
57.	9/26/2023 3:04:44	26 / 50	Wankhede Manisha Baban	9371484333
58.	9/26/2023 3:04:47	44 / 50	Komal Jagdish Darda	7745047396
59.	9/26/2023 3:06:01	15 / 50	Aditya somat	8678923456
60.	9/26/2023 3:06:22	44 / 50	Vikas Prakash Gaikwad	9359678023
61.	9/26/2023 3:12:14	42 / 50	Wable Rohan Sharad	7276098831
62.	9/26/2023 3:15:03	16 / 50	Atharva Dattatray Dahiwalkar	9359514855
63.	9/26/2023 3:17:07	37 / 50	Uday Machindra Patole	8010865465
64.	9/26/2023 3:19:27	40 / 50	Om Ashok barahate	8080714109

  
Event Coordinator



  
HOD

**HOD**  
Computer Department  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414 005, Maharashtra,

Department of Civil Engineering

**Counseling Form**

Mentor Name : Prof. V.V. Yewale

Name of Mentee : Supre Shraddha Tonhaji

1. REASON FOR COUNSELING

☒ Routine

☐ Student Initiated

☐ Institute Initiated

2. IS STUDENT EXPERIENCING DIFFICULTY MEETING COURSE DEMANDS ?

☐ Yes

☒ No

Explain - During the year there was not such issue in the subject or college premises.

Is Corrective Action Needed ?

☐ Yes

☐ No

Explain -

3. OTHER IMPORTANT DISCUSSION WITH THE MENTEE

Explain - Discussion of the practical knowledge of subject or providing visit.

Is Corrective Action Needed ?

☐ Yes

☐ No

Explain -

4. Mentor's Comments

5. Mentee's Comments after Evaluation

The visit was provided & satisfied review was given of the subject.

6. Next Counseling Session -

Supre  
Mentee's Sign



Yewale  
Mentor's Sign



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414 005, Maharashtra.

Department of Civil Engineering

**Counseling Form**

Mentor Name : Prof V. V. Yewale

Name of Mentee : Athare Akanksha Pradip

1. REASON FOR COUNSELING



Routine



Student Initiated



Institute Initiated

2. IS STUDENT EXPERIENCING DIFFICULTY MEETING COURSE DEMANDS ?



Yes



No

Explain - During the year there was not such  
issue in the subject or college premises

Is Corrective Action Needed ?



Yes



No

Explain - \_\_\_\_\_

3. OTHER IMPORTANT DISCUSSION WITH THE MENTEE

Explain - Filled work during the internship  
was discussed.

Is Corrective Action Needed ?



Yes



No

Explain - \_\_\_\_\_

4. Mentor's Comments

\_\_\_\_\_  
\_\_\_\_\_

5. Mentee's Comments after Evaluation

The proper knowledge was given of the  
actual site work regarding the subject or concept.

6. Next Counseling Session - \_\_\_\_\_

Akanksha  
Mentee's Sign



Prof V. V. Yewale  
Mentor's Sign





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**Shri. Chhatrapati Shivaji Maharaj College Of  
Engineering, Nepti, Ahmednagar**



Survey No. 162, & 163, Nepti, Nagar-Kalyan Road, Ahmednagar - 414,005 Maharashtra

Contact No. (0241) 2568383, 2568384

Website : [www.scoea.org](http://www.scoea.org) Email : [scsmcoe.anr@hotmail.com](mailto:scsmcoe.anr@hotmail.com)

NAAC 'B + ' Grade Accredited Institution, ISO 9001 : 2015 Certified

Approved by AICTE New Delhi, Govt. of Maharashtra, Recognized by DTE Mumbai & Affiliated to Savitribai Phule Pune University, Pune

## Mentoring Handbook

Mentee / Student Name : Thange Amti Sambhaji

Batch Details : FE (Div-C) C-2 Mobile No. : 8788971214

Mentee ID : \_\_\_\_\_ Branch : Electronics & Telecommunication

Class	Academic Year	Mentor Name	Mobile No.
C(F.E)	2022-2023	A.K. Khetmalis	9699 029290
S.E	2023-2024	A.R. Mane	8446 216205

**"EVERY GREAT ACHIEVER IS INSPIRED BY A GREAT MENTOR"**

Institute  
Code **5382**



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[8668690892](https://wa.me/8668690892)

## VISION

**"Tejo Si Tejo Me Dehi"**

Oh God! You are the source of luster, grant me luster.

## MISSION

- To impart quality education through effective teaching learning methodologies.
- To inculcate positive attitude and moral values amongst future technocrats.
- To promote excellence by encouraging creativity, critical thinking and discipline.
- To inculcate sensitivity toward society and a respect for the environment.

### Performance Attributes of Mentee



### Mentoring Activities

#### Presentation Skill

- Subject Knowledge
- Topic Preparation
- Confidence & Delivery
- Appearance
- Answered Questions

#### Group Discussion

- Subject Knowledge
- Team Spirit
- Body Language
- Communication Skill
- Leadership Qualities

#### Aptitude Tests

- Mathematics
- Logical Reasoning
- Grammar
- Current Affairs
- Other Topics

#### STAR Approach

- Participation & Helping others
- Contribution of Idea & Planning
- Innovativeness
- Leadership / Team Motivation
- Time Sense

#### Other Activities

- Public Speaking
- Mock Interview
- Resume Writing
- Reading Skill
- Writing Skill



## *From The Desk of Principal...*



**Dr. Yashwant R. Kharde**

Ph.D. (Mech.) NITW, ISTE, MIE, CE

**Principal**

Today, in the era of globalization, knowledge is power. Engineering Education plays a vital role in nation building, corporate sectors and industries. We strongly believe that students, if properly nurtured and educated, can become important assets of society and nation, Keeping in mind that the student is the focal point of all activities we have started this mentoring activity.

Mentoring is a process in which an experienced individual helps another person to develop his or her goals and skills through a series of time-limited, confidential, one to one conversations and other learning activities. Mentors also draw benefits from the mentoring relationship. As a mentor, you will have the opportunity to share your wisdom and experiences, evolve your own thinking, develop a new relationship, and deepen your skills as a mentor. As we have a team of dynamic, talented and devoted teachers to help the students to bring the best out of them.

Our basic objective is to impart quality education through effective learning methodologies and to develop a positive attitude and moral values amongst the students.

\*\*\*\*\*

## MENTEE INFORMATION

1. Full Name of the Mentee : Thange Arati Sambhaji

Gender : Male / Female

D.O.B. : 18052004

Aadhar Card No. : 577578399672

E-mail : Sagorthange 740 @ gmail . com

Blood Group : B<sup>+</sup> Allergies if any : —

Name of Father : Sambhaji Rambhau Thange

Name of Mother : Kavita Sambhaji Thange

Occupation of Father : \_\_\_\_\_



2. Contact Details :

Mentee Mobile No.	Father's Mobile No.	Home Contact No.
<u>8788971214</u>	<u>9657593232</u>	<u>9760069696</u>
		<u>9420778025</u>

3. Parent's Permanent Address : Hiware Bazar

Tal. Nagar

Dist. : Ahmednagar

State : Maharashtra

Pin Code 414103

Local Guardians Name & Address : Hiware Bazar

Tal. Nagar

Dist. : Ahmednagar

State : Maharashtra

Pin Code 414103

4. Academic Information :

Sr. No.	Qualification	Year of Passing	Board / University	Marks Obtained	Class/ Grade
1	S.S.C.	<u>2020</u>	<u>Maharashtra State Board</u>	<u>90.40</u>	<u>A</u>
2	H.S.C.	<u>2222</u>	<u>Maharashtra State Board</u>	<u>74</u>	<u>A</u>
3	Diploma				
4	Graduation				
5	Other				





Engineering Educational Details :

Sr. No.	Academic Year	Class	Branch	Roll No.	Practical Batch	Div
1	2022-23	FE / FY	Electronics & Telecommunication	389	C-2	C
2	2023-24	SE / SY	Electronics & Telecommunication		S-2	-
3		TE / TY				
4		BE				

Academic Results :

University Examination	FE / FY	SE / SY	TE / TY	B.E.
Nov. (20 22 ) Sem-I	19 crd.			
May (20 23 ) Sem-II	38 crd.			
Nov. (20 23 ) Sem-I	19 crd.	19 crd.		
May (20 24 ) Sem-II	38 crd.	38 crd.		
Nov. (20 )				
May (20 )				
Nov. (20 )				
May. (20 )				

Declaration :

I, Thange Arati Sambhaji declare that the information provided above is correct.

Arati

Signature of Mentee

Name : Thange Arati Sambhaji

[Signature]

Signature of Mentor

Name : Khetmaur A-k



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## **The Basic Concept of Mentoring:**

Mentorship is a relationship in which a more experienced or more knowledgeable person helps to guide a less experienced or less knowledgeable person. The mentor may be older or younger than the person being mentored, but he or she must have a certain area of expertise. It is a learning and development partnership between someone with vast experience and someone who wants to learn. Mentorship experience and relationship structure affect the "amount of psychosocial support, career guidance, role modeling, and communication that occurs in the mentoring relationships in which the proteges and mentors engaged.

"Mentoring" is a process that always involves communication and is relationship-based, but its precise definition is elusive, with more than 50 definitions currently in use. One definition of the many that have been proposed is, "mentoring is a process for the informal transmission of knowledge, social capital, and the psychosocial support perceived by the recipient as relevant to work, career or professional development; mentoring entails informal communication, usually face-to-face and during a sustained period of time, between a person who is perceived to have greater relevant knowledge, wisdom, or experience (the mentor) and a person who is perceived to have less".

Mentoring means making a sincere effort to communicate with a student, with an open heart and an open mind.

Good mentoring practice empowers students by encouraging and supporting each student in successful achievement of goals, and adapting to the academic, social, political and cultural mores of the institution.

**"EVERY GREAT ACHIEVER IS INSPIRED BY A GREAT MENTOR."**

## Aim & Objectives

**Aim of the Program:** The aim of mentoring is to promote positive change in an individual while building a healthy relationship. The mentoring program is also devised to encourage students from non-English speaking backgrounds and those from rural and remote communities.

### Objectives:

- \* Setting up a career development mentoring program for students to learn the skills and behaviours.
- \* Creating a mentoring program for students to give them one-on-one guidance.
- \* To provide a framework for positive interaction between students, Mentors and staff.

### Role of Mentor

During the course of most mentor relationships, mentor roles are likely to include:

- **Guide:** A guide takes you through a journey, providing different pathways and warning of potential pitfalls. A mentor can offer wise perspective and can encourage growth by asking the right questions, throwing out ideas, and keeping conversation and creativity moving. This advisory role also requires the mentor to help the mentee develop professional interests and set realistic career goals.
- **Coach:** A coach provides motivation and feedback. Positive feedback to reinforce behavior and constructive feedback to change behavior. Both types are critical to the professional growth of the mentee. Positive feedback is a great motivating tool for removing doubt and building self-esteem which results in a sense of accomplishment.
- **Advisor:** A mentor works with the mentee to develop a career development plan that outlines what knowledge, skills and abilities are needed to reach career goals.
- **Counselor:** The counselor role establishes a lasting and open relationship. Respect and confidentiality are baselines for this relationship. A mentor encourages the mentee identify their strengths and weaknesses and develop problem-solving skills.
- **Advocate:** An advocate champions the ideas and interests of the mentee. Advocates act as a sponsor, creating opportunities that challenge and instruct the mentee, setting them up for success. The goal is to provide as much exposure and visibility for the mentee, with a minimum of risk. This role primarily involves initiating opportunities for development by helping establish a network of contacts, helpful resources and a path to success.
- **Role Model:** Teaching by example is a mentor's most effective developmental tool.



## **A Successful Mentor**

- \* Value the mentee as a person;
- \* Develop mutual trust and respect;
- \* Maintain confidentiality;
- \* Listen both to what is being said and how it is being said;
- \* Help the mentee solve his or her own problem, rather than give direction;
- \* Focus on the mentee's development and resist the urge to produce a clone.
- \* Respects the student's commitment by making good use of their time and by being prepared and on time for every meeting.

## **Characteristics of an Effective Mentor**

- \* Supportive of the needs and aspirations of the mentee.
- \* Willing to spend time performing mentoring responsibilities.
- \* Respected in the community and profession.
- \* Communicates openly and clearly.
- \* Comfortable providing constructive feedback.
- \* Has a genuine interest in helping others succeed.
- \* A respectful, inspiring and positive attitude.

## **Responsibilities of the Mentor**

- \* Assist your mentee in identifying professional and personal growth goals and objectives.
- \* Assist your mentee in establishing explicit goals and objectives for the relationship.
- \* Commit to meeting with mentee on a regular basis. Establish how and when those meetings will take place.
- \* Complete progress reports and regularly re-assess needs.
- \* Review agreements reached in the Mentoring Agreement at regular intervals of the partnership.
- \* Maintain the confidentiality of the relationship.

## **Characteristics of an Effective Mentee**

- \* Positive outlook and attitude
- \* Eager and open to learn proactively
- \* Patient, responsive and respectful of mentor's role and time
- \* Comfortable receiving objective feedback
- \* Works as a "team player"
- \* Comfortable being stretched out of a comfort zone

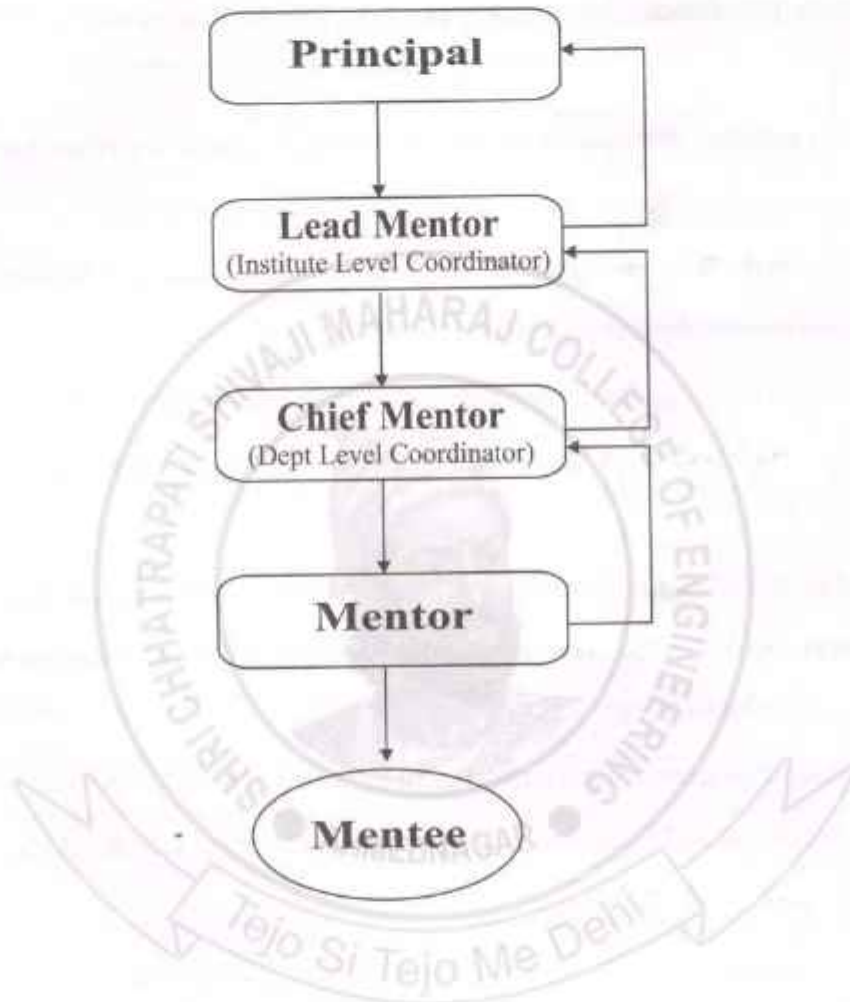
### **Guidelines for the Mentee :**

- \* Allow your mentor to take the lead in the relationship, at least initially. Listen and respect the opportunities, limitations and format of the relationship he or she is able to provide for you. Always act with courtesy and respect towards your mentor.
- \* Use active listening skills during discussions with your mentor. Be careful not to interrupt, unless you need to clarify a point and you see no other opportunity or pause. Take notes when appropriate, ask good questions and have a purpose for your questions.
- \* Prepare the goals and objectives you have for your career. Be prepared to ask for specific guidance and advice on your goals, plans and strategic ideas. The more specific you can be, the easier it will be for your mentor to help you.
- \* Take the initiative to ask for feedback. Feedback, although difficult to hear at times, is critical to your personal and professional growth and development. Demonstrate that you are open to hear new ideas and suggestions to bring out your best and overcome any blind spots. Get feedback on specific issues, for example, how you come across to others. Ask for specific details to ensure you understand specific behaviors. Tell your mentor how you prefer to get feedback (for example, direct, with humor, softened). Don't get defensive. Thank your mentor for taking the risk to be honest with you. Remember, if your mentor was not invested in you, he/she would probably not take this risk. Honest feedback gives you an opportunity to improve yourself and help you to move towards fulfilling your potential.
- \* Always be considerate and respect your mentor's time as you do your own. Be thorough, but succinct in your explanations, experiences and comments. Watch for clues that you may be going on too long. It is polite to ask directly if you are talking too long.
- \* Return phone calls promptly and be on time with commitments or meetings. If your mentor offers a specific time frame of availability, respect his/her wishes by following through. Only extend the time of your contact if your mentor initiates or insists to extend or complete a task or discussion.
- \* Seriously consider all advice or suggestions you receive. Arguing why the mentor's advice would not work, can be construed as rude and close-minded.
- \* Demonstrate that you have followed advice or commitments for action at every opportunity, even if you have modified your plan. Pointing out that you used your mentor's help and sharing outcomes is important.



# Mentoring Process

## A) Flow Chart



## B) Formation of Organization :

1. Formation of batches. ( Batch size- 15 to 20 students)
2. For each batch one Mentor is assigned who is a teacher to this batch.
3. For one class, 3 to 4 batches are there and one Class Teacher is there.
4. For each department, one department coordinator is appointed. (i.e. Chief Mentor)
5. Every department is coordinated by institute level coordinator (i.e. Lead Mentor)

### **C) Implementation Process**

1. As per the guidelines decided and formed by the respected Principal Sir will be communicated to mentor through HOD's and chief mentor.
2. Chief Mentor of the Department discusses these policies among the HOD, class teacher and mentor.
3. As per the academic calendar, the Mentor meetings will be conducted by the Mentor of their assigned batch.
4. In the Mentoring meeting, the concerned faculty discusses various activities among the students. He/she also considers the different issues raised by the mentees (students).
5. After every meeting with the mentees, the mentor has to take outcomes of previous meeting, to compile the report and to submit it to the Class teacher.
6. The class teacher has to submit the compiled report of all batches to the department Chief Mentor.
7. The Coordinator (Chief Mentor) of all departments has to submit the report to institute level coordinator.
8. The compiled report is submitted by institute level coordinator to the Principal Sir.
9. As per the suggestion given by the students, the Principal Sir gives direction to the concerned faculty or department for necessary action.
10. For each mentee separate mentoring handbook will be issued. It is duty of respective mentor to keep and update the handbook and at the end of academic year the handbook should be submitted in the department.



# ACTIVITY : PRESENTATION SKILL

## Evaluation Sheet

Sr. No.	Date	Subject Knowledge	Topic Preparation	Confidence & Delivery	Appearance	Answered Questions	Total	Signature of Mentee	Signature of Mentor
		(5)	(5)	(5)	(5)	(5)	(25)		
1	18/10/22	5	4	3	4	3	19	Arati	Itu
2	15/11/22	4	3	5	3	4	19	Arati	Itu
3	4/3/23	3	4	3	5	4	20	Arati	Itu
4	11/3/23	5	4	3	4	5	21	Arati	Itu
5	18/10/23	5	5	4	5	4	23	Arati	Bure
6	15/11/23	4	4	5	4	5	22	Arati	Bure
7	4/3/24	5	4	5	5	5	24	Arati	Bure
8	14/3/24	4	5	4	4	4	21	Arati	Bure
9									
10									
11									
12									
13									
14									
15									
16									



# ACTIVITY : GROUP DISCUSSION

## Evaluation Sheet

Sr. No.	Date	Subject Knowledge	Topic Preparation	Confidence & Delivery	Appearance	Answered Questions	Total	Signature of Mentee	Signature of Mentor
		(5)	(5)	(5)	(5)	(5)	(25)		
1	18/10/22	3	5	4	3	4	19	Arati	Itu
2	15/11/22	5	5	4	3	3	20	Arati	Itu
3	4/3/23	4	3	5	3	3	18	Arati	Itu
4	11/03/23	3	3	5	4	4	19	Arati	Itu
5	18/01/23	4	3	5	5	3	20	Arati	Bure
6	15/11/23	3	4	4	3	4	18	Arati	Bure
7	9/3/24	5	4	3	5	5	22	Arati	Bure
8	11/3/24	4	5	4	4	4	21	Arati	Bure
9									
10									
11									
12									
13									
14									
15									
16									





# ACTIVITY : APTITUDE TEST

## Evaluation Sheet

Sr. No.	Date	Subject Knowledge	Topic Preparation	Confidence & Delivery	Appearance	Answered Questions	Total	Signature of Mentee	Signature of Mentor
		(5)	(5)	(5)	(5)	(5)	(25)		
1	15/10/22	3	4	5	3	3	18	<u>Anrati</u>	<u>Shr</u>
2	18/11/22	5	5	4	3	3	20	<u>Anrati</u>	<u>Shr</u>
3	4/3/23	4	3	3	5	4	19	<u>Anrati</u>	<u>Shr</u>
4	14/3/23	3	4	3	4	3	17	<u>Anrati</u>	<u>Shr</u>
5	15/10/23	3	4	5	5	3	20	<u>Anrati</u>	<u>Bune</u>
6	28/11/23	4	5	4	4	5	22	<u>Anrati</u>	<u>Bune</u>
7	4/3/24	5	3	3	3	4	18	<u>Anrati</u>	<u>Bune</u>
8	19/3/24	4	4	4	4	3	19	<u>Anrati</u>	<u>Bune</u>
9									
10									
11									
12									
13									
14									
15									
16									



# ACTIVITY : OTHER ACTIVITIES

## Evaluation Sheet

Sr. No.	Date	Public Speaking	Mock Interview	Resume Writing	Reading Skill	Writing Skill	Total	Signature of Mentee	Signature of Mentor
		(10)	(10)	(10)	(10)	(10)	(50)		
1	18/10/22	8	7	9	7	8	39	<u>Arati</u>	<u>Arati</u>
2	15/11/22	9	8	7	8	8	40	<u>Arati</u>	<u>Arati</u>
3	4/3/23	8	8	7	7	8	38	<u>Arati</u>	<u>Arati</u>
4	11/3/23	9	8	9	8	7	41	<u>Arati</u>	<u>Arati</u>
5	18/10/23	8	8	9	8	8	41	<u>Arati</u>	<u>Bune</u>
6	18/11/23	9	9	7	7	8	40	<u>Arati</u>	<u>Bune</u>
7	14/3/24	8	7	9	8	7	39	<u>Arati</u>	<u>Bune</u>
8	21/3/24	9	8	7	7	8	39	<u>Arati</u>	<u>Bune</u>
9									
10									
11									
12									
13									
14									
15									
16									





### PERFORMANCE APPRAISAL OF MENTEE

Events	Excellent	Good	Satisfactory	Poor
Academic Progress	Above 66%	60-66%	40-60%	Below 40%
Attendance	Above 80%	75-79%	60-74%	Below 60%
Communication Skills / Soft Skill	Above 9 out of 10	7 to 8 out of 10	4 to 6 out of 10	Below 4 out of 10
Sports	Intercollegiate Participation	College level Participation	Department level Participation	No Participation
Organizational Ability (Dept. association events, Professional bodies events, College Gathering events)	3 Events / Activity Participation	2 Events / Activity Participation	1 Events / Activity Participation	No Participation
Internal / External Participation	3 Participation (1 Internal and 1 External)	2 Participation (1 Internal and 1 External)	1 Participation (Any)	No Participation





Ahmednagar/Jiha Maratha Vidya Prasarak Samaj's

**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

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Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

## Department of Computer Engineering

### Industrial Visit List 2023-24

Sr.NO	Name of Industry	Location	Student Count and Class	Date
1	Kanak Digiflex	Ahmednagar	60 Class-SE,TE	13/10/2023
2	Maharashtra Center of Entrepreneurship Development	Sambhajinagar	50 Class-BE	6/10/2023
3	Sumago Infotech	Nashik	100 Class-SE,TE	08/02/2024

  
IV Co-Ordinator

Prof.R.A.Ghadage



  
HOD

Prof.V.V.Jagtap

**HOD**  
**Computer Department**  
**Shri Chhatrapati Shivaji Maharaj College**  
**of Engineering, Nepti, Ahmednagar**



Date: 05/02/2024

To,

Principal,

SCSMCOE,

Ahmednagar.

Respected Sir,

I am Ghadage rohit annasaheb currently working in computer department .Our department want to arrange industrial visit for the Second and third year Engineering & Diploma student. Details of industrial visit as below

- **Name of company:** Sumago Infotech
- **Place:** at The Avenue, Fourth Floor, Behind Prakash Petrol Pump, Govind Nagar, Nashik
- **Date:** 08/02/2024
- **No. of Student:** 180 (SE, TE, SY, TY)
- **No. of Staff:** 08 (Ghadage R.A., Kohakade P.S., Gade N.B., Pawar S.R., Wanave S.A., Chitale Sayali, Agale Sonali, Dhangekar T.P.)

So this is humble requests to you please allow us for the same.

Thanking you.

*Rohit*  
05/02

Ghadage R.A.

Industrial visit coordinator

*Prof. Jagtap V.V.*

Prof. Jagtap V.V.

Head, computer engineering Department

Allowed with following condition

- 1) Take Undertakings from every student.
- 2) Ask them to come in proper dress code.
- 3) To Advance fee list of students classwise is to be submitted to principals office.



*Allowed*  
08/02/2024

*date* 8 Feb 24



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

**Shri Chhatrapati Shivaji Maharaj  
College of Engineering, Nepti, Ahmednagar**



Survey No. 162 & 133, Nepti, Nagar-Kalyan Road, Ahmednagar - 414 005 (Maharashtra)

NAAC 'B+' Grade Accredited Institution, ISO 9001 : 2015 Certified

E-Mail : [scsmcoe.anr@hotmail.com](mailto:scsmcoe.anr@hotmail.com)

University ID - PU/PN/Engg. 121/2011

Tel. No. : 0241-2568383

Website : [www.scoe.org](http://www.scoe.org)

DTE Code : EN 5382

Fax : 0241-2568384

MSBTE Code - 1953

[scoeanepti](https://www.facebook.com/scoeanepti)

[@scsmcoe\\_aamr](https://www.instagram.com/scsmcoe_aamr)

Approved by AICTE New Delhi, Govt. of Maharashtra & Recognised by DTE Mumbai & Affiliated to Savitribai Phule Pune University & MSBTE Mumbai.

Ref. No. : SCSMCOE / 2023 - 2024 / 670-3

Date : 02 / 02 / 2024

To,

Sumago Infotech

The Avenue, Fourth Floor,

Behind Prakash Petrol Pump,

Govind Nagar, Nashik,

Maharashtra 422009

Subject: Request to arrange industrial visit.

Dear Sir / Mam,

We are pleased to Request you to arrange the industrial visit for Second & Third year computer engineering and diploma Student. The tentative date for the industrial visit is 02/02/2024 to 16/02/2024. Your company's expertise and knowledge in the area would add a great value to the one and all, especially the budding engineers of the country who require the guidance and path-breaking ideas to lead their way through the tough completion in the Global market on this day.

With your company growth and in-depth knowledge in the area, you would be expected to deliver on the "*Current trend In IT Industry and Job Opportunities*" as we are aware of your great contribution to this field of work. We look forward to your presence and guidance in making the event successful.

Thanking you.



*[Signature]*



Yours faithfully,

*[Signature]*  
Dr. Y. R. KHARDE

PRINCIPAL

Shri. Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

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Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

## Department of Computer Engineering

### Industrial Visit Report of Sumago InfoTech, Nasik

1.	Name of The Event	Industrial Visit Report of Sumago InfoTech, Nasik
2.	Day & Date of The Event	Thursday 08 February 2024
3.	Time of The Event	10.00 A.M. to 5.00 P.M.
4.	Venue of The Event	Sumago Infotech, The Avenue, Fourth Floor, Behind Prakash Petrol Pump, Govind Nagar, Nashik
5.	Number of students present	113

Our Computer Department had organized industrial visit for the students of Second Year and Third year computer Engineering and diploma. The visit was organized on 08/02/2024 at Sumago Infotech Nasik.

Sumago InfoTech aspires to be the global sourcing choice of the world market and revolutionizes the way service processes function. To reach out to the common people across the globe and making Information Technology a tool for the "MASS" along with the tool for the "CLASS". Creating innovative IT solutions and provide IT-enabled services to delight customers worldwide and build Relationships based on Trust, Values and Professionalism. Sumago InfoTech has industry-specific software expertise in Technology, Financial, Healthcare, Media, Manufacturing, and many other sectors. The company specializes in offering Web Designing, Web Application Development, Mobile Application Development, Software Development, Digital Marketing, Software Testing, Quality Assurance services, and many more.

Sumago are a team of committed innovative, client-sensitive and experienced software professionals who always strive to deliver customized, cost- effective and long-term software solutions



that complement our client's objective and result in a satisfied customer. Sumago have 10+ years of experience in Software Consultancy and Development.

**Sumago Provide Following Services:-**

- Website Development
- Software Development
- App Development
- Digital marketing
- Training And internship
- Web hosting

Sumago team has delivered a good informative and knowledgeable presentation on different technology and our students were satisfied. Sumago team Clear every doubt which was raised by our students.

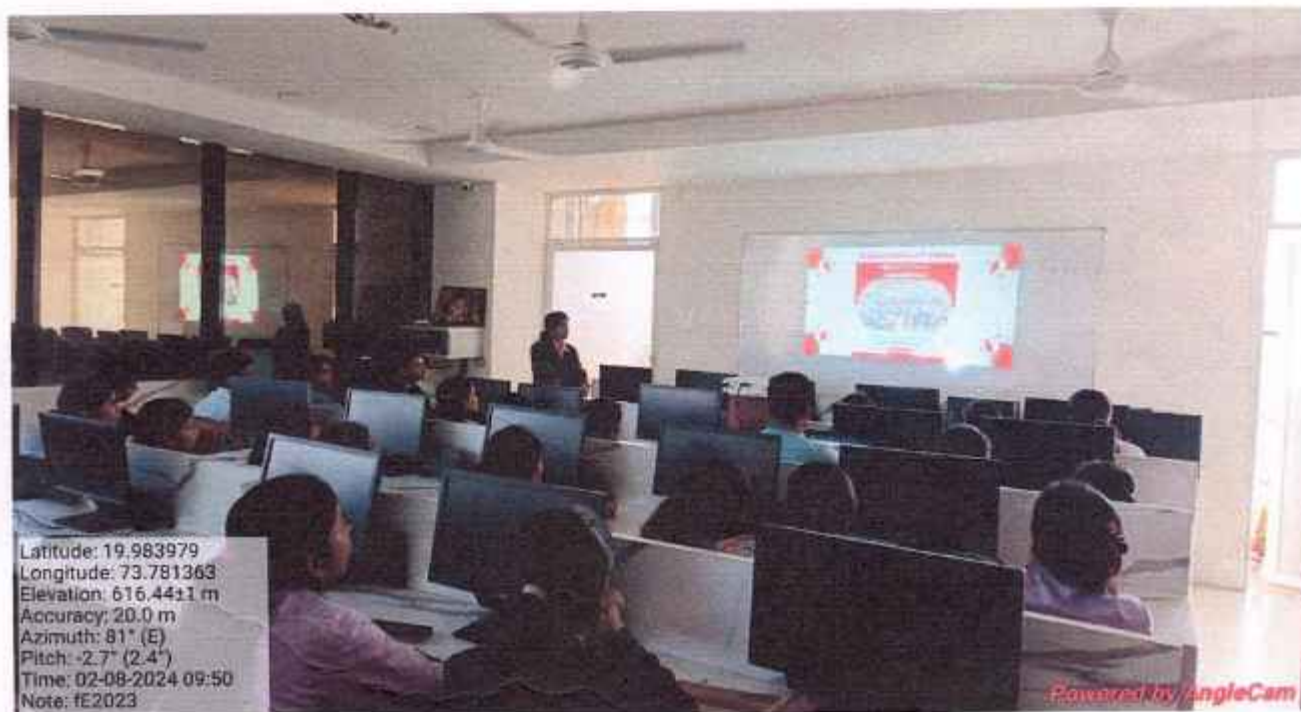
Following concept we learn in this visit:

- Different technology currently used in IT Industry.
- Different web designing languages
- Short introduction of PHP, MYSQL.
- Live project of company
- Working environment of IT industry.
- Small Introduction about IOT, AI, Block chain ,Quantum computing





Photograph:





*Ghadage*

Prof. Ghadage R.A.

IV- Coordinator

*Jagtap*

Prof. Jagtap V.V.

HOD  
HOD

**Computer Department**  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar

*Kharde*

Dr. Y.R. Kharde

Principal  
PRINCIPAL

Shri. Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar







Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

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## Department of Computer Engineering

### Industrial Visit at Sumago Infotech, Nashik

Class: TE

Date :08/02/2023

Sr.No	Name of Student	Sign
1	ANBHULE RUSHIKESH PRALHAD	— AB —
2	BEDRE RUPALI SANTOSH	— AB —
3	BHALGAT SAKSHI MANOJ	<i>Sakshi</i>
4	BHUJBAL SHRUTI MILIND	<i>S. M. Bhujbal</i>
5	CHAKANE SAMRUDDHI KAILAS	<i>Chakane</i>
6	CHEDE PALLAVI VIJAY	<i>Pallavi</i>
7	CHITALE SHRADDHA CHANDRAKANT	<i>Shraddha</i>
8	DARADE PRANJALI SAMPAT	<i>Pranjali</i>
9	DESHMUKH ATHARVA VISHNU	<i>A. V. Deshmukh</i>
10	GANGISHETTY APARNA JITENDRA	<i>Aparna</i>
11	GAWALI CHAITALI RAJENDRA	<i>Chaitali</i>
12	GAWALI UDDHAV BALASAHEB	<i>Uddhav</i>
13	GHODAKE ABHIJIT BAPURAO	<i>Abhi</i>
14	GHODAKE PRATIKSHA RAJENDRA	<i>Pratiksha</i>
15	GUNJAL HARSHVARDHAN SANJAY	<i>Harsh</i>
16	HOLE TUSHAR SUNIL	<i>Tushar</i>
17	JADHAV NIKITA YOGESH	<i>N. K. Jadhav</i>
18	JAGTAP VAISHNAVI SANJAY	<i>V. S. Jagtap</i>
19	KALASKAR NIKITA KAILAS	<i>Nikita</i>
20	KANDEKAR ANJALI KHANDU	<i>Anjali</i>
21	KARALE AKANKSHA BHAUSAHEB	<i>Akanksha</i>
22	KARLE PRACHI KUNDLIK	<i>Prachi</i>
23	KATARIYA TEJAL DILIP	<i>Tejal</i>
24	KHARMATE GANESH VISHNU	<i>Ganesh</i>
25	KHESE NIKITA VIJAY	<i>Nikita</i>
26	KHESE POOJA DNYANDEV	<i>Pooja</i>
27	KHOBARE BHAKTI SAHEBRAO	<i>Bhakti</i>
28	KOLTE JAY BANDU	<i>Jay</i>
29	KSHIRSAGAR KALYANI JAYRAM	<i>Kalshi</i>
30	KSHIRSAGAR MADHAVI DINESH	— AB —
31	KUHILE SARTHAK BALASAHEB	<i>Sarthak</i>
32	KULKARNI AKANKSHA GANESH	<i>Akanksha</i>
33	LAMKHADE PRAJAKTA VIJAY	<i>Prajakta</i>
34	LANDE DIVYA SAMBAHAI	<i>Divya</i>



35	LIPANE PRATIK ARJUN	Pratik
36	LOMATE SAURABH ASHOK	Saurabh
37	MALI OVI ARVIND	Ovi
38	MANSUKE ARTI AJIT	Arti
39	MHASKE YOGESH AMBADAS	Yogesh
40	MOKATE DIPTI NAVANATH	Dipti
41	MUNDE RUTUJA ANKUSH	Rutuja
42	MUTHA AAYUSH ROHINISH	AB
43	NAT AKSHATA GORAKH	Akshata
44	OSTWAL SAKSHI SANDIP	Sakshi
45	PADALKAR SAHYADRI SANTOSH	Sahyadri
46	PALVE DATTA KIRAN	D.K. Palve
47	PANDIT SUPRIYA DATTATRAY	Supriya
48	PARBHANE PURVA RAVINDRA	Purva
49	PUND NIKITA VIJAY	Nikita
50	RAJHANS VAISHNAVI RAJENDRA	Vaishnavi
51	RAPARIYA KHUSHI SANDEEP	Khushi
52	ROHOKALE MINAKSHI BALASAHEB	Minakshi
53	RUPNAR KUNAL NIVRUTTI	Kunal
54	SABLE ONKAR MAHADEO	Onkar
55	SALUNKE SAYALI ANIL	Sayali
56	SANGLE PRATIKSHA MALHARI	Pratishtha
57	SARODE PRIYA PRASHANT	Priya
58	SHAIKH FIROJA HARUN	Firoja
59	SHELKE GITANJALI RAMESH	Gitanjali
60	SHELKE PRITI PRAKASH	Priti
61	SHINDE VAISHNAVI UMESH	Vaishnavi
62	SHINGAVI AKSHADA KISHOR	Akshada
63	SONAWANE GAURAV GOKULDAS	Gaurav
64	UDAMALE KARTIK AMBADAS	Kartik
65	WALKE OMKAR NITIN	Omkar
66	YEWALE DURGESH BAJIRAO	Durgesh
67	ZINJ VRUSHALI ANIL	Vrushali
68	JAHAGIRDAR ABDUL BASIT SAMEER	Basit
69	TEMKAR VISHAL SAINATH	Vishal

*Ghadage*

Prof. Ghadage R.A.

Industrial visit Co-ordinator



*Jagtap*

Prof. V.V. Jagtap

HOD

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Computer Department

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## Department of Computer Engineering

### Industrial Visit at Sumago Infotech, Nashik

Class: SE

date: 08/02/2023

Sr.No	Name of Student	Sign
1	ANBHULE MAHESH BHAGCHAND	Anbhule
2	ANDHALE OM SUSHILKUMAR	OP
3	ANKIT PANDURANG GAVKHARE	Ankit
4	ATHARE KRISHNA ASHOK	Athare
5	AUTE ARTI JAGDISH	Aute
6	AVHAD SHRINIWAS BALASAHEB	Avhad
7	BADE SHUBHANGI RAMNATH	Bade
8	BARAHATE OM ASHOK	Barahate
9	BHALERAO INDRAJIT PURUSHOTTAM	Bhalerao
10	BHUSARI SHRUTI GANESH	Bhusari
11	CHAUDHARI NIDHI DILIP	Chaudhari
12	CHAUDHARI SHRUTIKA RADHUJI	Chaudhari
13	DAHARE ABHISHEK JAGDISH	Dahare
14	DALVI ANKITA SATISH	Dalvi
15	DARDA KOMAL JAGDISH	Darda
16	DAREKAR SANCHET SANTOSH	Darekar
17	DESHMANE PAYAL BALASAHEB	Payal
18	DESHMUKH PRAJWAL NAVNATH	Deshmukh
19	DESHMUKH SAMIKSHA NITIN	Samiksha
20	DHERE RAJASHRI NANASAHEB	Dhere
21	FARATE ISHWARI MARUTI	Farate
22	FULSAUNDAR ONKAR TUSHAR	Fulsaundar
23	GAGARE VIDYA VIJAY	Gagare
24	GAIKWAD VAISHNAVI AKASH	Gaikwad
25	GAIKWAD VIKAS PRAKASH	Gaikwad
26	GANDHI PURVA VINOD	Gandhi
27	INGALE OM SATISH	Ingaile
28	JAGDALE PRANAV SANTOSH	Jagdale
29	KAKADE AYUSH SANJAY	Kakade
30	KANDEKAR ONKAR ANIL	Kandekar
31	KANKALE AYUSH SUDHIR	Kankale
32	KARALE ASHWINI DYANDEV	Karale
33	KHARAT MAYURI DATTA	Kharat



34	KHEDKAR RUTUJA DATTATRAY	<i>Rutuja</i>
35	KIRDAK ROHAN GORAKH	<i>Ro</i>
36	KOMAL BAPU UNDE	<i>Tei</i>
37	KURHE PRADNYA SAMBHAJI	<i>Pradnya</i>
38	LABADE PRATIK LAHANU	<i>Pratik</i>
39	LASHKARE SWAPNALI RAVSAHEB	<i>Swapnali</i>
40	MADANE TUSHAR BALASAHEB	<i>Tushar</i>
41	MAID ALANDIKAR OMKAR PRAKASH	<i>Omkar</i>
42	MHASKE AJINKYA SUHAS	<i>Ajinkya</i>
43	NAGARGOJE MUKESH BAYAJI	<i>Mukesh</i>
44	NIMASE BHARATI VIJAY	<i>Bharati</i>
45	PANDORE SUDIP SOMNATH	<i>Sudip</i>
46	PATEL ROMAN RIYAZ	<i>Roman</i>
47	PATIL RENUKA ANANT	<i>Renuka P</i>
48	PATOLE UDAY MACHHINDRA	<i>Uday</i>
49	POOJA BABASAHEB KOTHULE	<i>Pooja</i>
50	RAJANKAR YOGESH SANTOSH	<i>Yogesh</i>
51	ROKADE ANIKET BHAGWAT	<i>Aniket</i>
52	SASE BHAKTI ARUN	<i>Bhakti</i>
53	SHAIKH AVESH SHAFIK	<i>Avesh</i>
54	TAKE PRANOTI SUHASKUMAR	<i>Pranoti</i>
55	TANAY PRASHANT KULKARNI	<i>Tanay</i>
56	THETE SNEHA DATTATRAY	<i>sneha.D.T</i>
57	THOKAL PAYAL DATTATRAY	<i>Payal</i>
58	THORAT VAISHNAVI YASHWANT	<i>Thorat.vy</i>
59	TODMAL CHAITANYA BHARAT	<i>Chaitanya</i>
60	TODMAL SHRUTI BALAJI	<i>Shruti</i>
61	TRIBHUVAN RENUKA SAMBHAJI	<i>Renuka</i>
62	UGALE MUKUND SANDESH	<i>Mukund</i>
63	VIDHATE SANJANA VASANT	<i>Sanjana</i>
64	WABLE ROHAN SHARAD	<i>Rohan</i>
65	WABLE SNEHAL SHIVAJI	<i>Snehal</i>
66	WAGH AKANSHA DATTATRAYA	<i>Akansha</i>
67	WANDHEKAR PRERANA VISHAL	<i>Prerana</i>
68	WANI GIRISH GORKSHANATH	<i>Girish</i>
69	WANKHEDE MANISHA BABAN	<i>Manisha</i>
70	ZENDE ANJALI VIKRAM	<i>Anjali</i>

*Ghadage*  
Prof. Ghadage R.A.

Industrial visit Co-ordinator



*Jagtap*  
Prof. V.V. Jagtap

HOD

HOD

Computer Department

Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Napti, Ahmednagar



Ref. No. : SCSMCOE / 2023 - 2024/679

Date : 08/02/2024

## Letter of Thanks

To,

Sumago Infotech

The Avenue, Fourth Floor,

Behind Prakash Petrol Pump,

Govind Nagar, Nashik,

Maharashtra 422009

Dear Sir / Mam,

It was really a great privilege to have to visit at Sumago Infotech which was held at Sumago Infotech, The Avenue, Fourth Floor, Behind Prakash Petrol Pump, Govind Nagar, Nashik on 08/02/2024. I would like to express my gratitude for your valuable Knowledge and presentation on "Current trend In IT Industry and Job Opportunities". Your valuable guidance had helped us in past and they would help us in future as well. On behalf of the all the faculties of the department, I greatly appreciate your work.

I hope for the same co-operation from you in near future course of the time.

Thanking you.

Yours faithfully,

Dr. Y. R. KHARDE

PRINCIPAL

Shri. Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

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### Feedback of Industrial Visit at sumago infotech by the Students

Academic Year: 2023-24

Semester: I

Name of Company : Sumago infotech

Class:TE

Date:08/02/2024

Name of Student: PALAVE Datta Kiran

Contact No. 888051093

Sr. No.	Content	Excellent	Very Good	Good	Poor	
1	How was the College hospitality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Was the event information useful for your future career?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Was the event well-paced within the allotted time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	How is the College Campus?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	Are the contents presented in an organized manner?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	How was the overall arrangement of the event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	Was the refreshment provided (Yes/No)? If Yes, how was it..?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	How do you rate the Resources of the event?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Too Short	Right Length	Too long		
9	Was this event relevant to the topic?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
		Introductory	Intermediate	Advanced		
10	In your opinion, how was this event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
11	If Institute arranges more such events in future, will you be interested to attend?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
12	Would you recommend the event to others?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
13	Please identify any specific priority areas for you that could be the focus at future events	<hr/> <hr/> <hr/>				
14	To what extent were your expectations fulfilled?	<hr/> <hr/> <hr/>				
15	What did you most appreciate/enjoy/think was best about the Workshop? Any suggestions for improvement?	<hr/> <hr/> <hr/>				

Date: 08/02/24

D.K. Palave  
Sign







Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
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**Feedback of Industrial Visit at sumago infotech by the Students**

Academic Year: 2023-24

Semester: I

Name of Company : Sumago infotech

Class:TE

Date:08/02/2024

Name of Student: *Shaukh Firoza*

Contact No. 9960669763

Sr. No.	Content	Excellent	Very Good	Good	Poor
1	How was the College hospitality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Was the event information useful for your future career?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Was the event well-paced within the allotted time?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	How is the College Campus?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Are the contents presented in an organized manner?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	How was the overall arrangement of the event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Was the refreshment provided (Yes/No)? If Yes, how was it..?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	How do you rate the Resources of the event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Too Short	Right Length		Too long
9	Was this event relevant to the topic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
		Introductory	Intermediate		Advanced
10	In your opinion, how was this event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
11	If Institute arranges more such events in future, will you be interested to attend?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
12	Would you recommend the event to others?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
13	Please identify any specific priority areas for you that could be the focus at future events	<hr/> <hr/> <hr/>			
14	To what extent were your expectations fulfilled?	<hr/> <i>yes</i> <hr/>			
15	What did you most appreciate/enjoy/think was best about the Workshop? Any suggestions for improvement?	<hr/> <i>yes</i> <hr/>			

Date: 08-02-2024



*Jinoja*  
Sign



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

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**Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.**

**Feedback of Industrial Visit at sumago infotech by the Students**

**Academic Year: 2023-24**

**Semester: I**

**Name of Company : Sumago infotech**

**Class:TE**

**Date:08/02/2024**

**Name of Student: LIPANE PRATEK A.**

**Contact No. 7972221149**

Sr. No.	Content	Excellent	Very Good	Good	Poor
1	How was the College hospitality?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Was the event information useful for your future career?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Was the event well-paced within the allotted time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	How is the College Campus?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Are the contents presented in an organized manner?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	How was the overall arrangement of the event?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Was the refreshment provided (Yes/No)? If Yes, how was it..?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	How do you rate the Resources of the event?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Too Short	Right Length	Too long	
9	Was this event relevant to the topic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Introductory	Intermediate	Advanced	
10	In your opinion, how was this event?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
11	If Institute arranges more such events in future, will you be interested to attend?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
12	Would you recommend the event to others?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
13	Please identify any specific priority areas for you that could be the focus at future events	<u>full stack development</u>			
14	To what extent were your expectations fulfilled?	<u>yes</u>			
15	What did you most appreciate/enjoy/think was best about the Workshop? Any suggestions for improvement?	<u>yes we have enjoyed</u>			

**Date: 08/02/2024**



*Pratik*  
Sign





**Ahmednagar Jilha Maratha Vidya Prasarak Samaj's**  
**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005, Maharashtra  
Phone No :- 0241 -2568383 Unipune - ID CEGA019270 Fax No: - 0241 -2568384  
Email: ajmvps123@gmail.com, scsmcoe.anr@hotmail.com, Website: www.scoe.org

Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

**Industrial visit at Sumago Infotech, Nasik Feedback by the Students**

Academic Year: 2023-24

Semester: 6

Name of Company: *sumago infotech*

Class: *TYCO*

Name of Student: *Sarthak Chumbalkar*

Date: *8-02-2024*

Contact No. *9061798360*

Sr. No.	Content	Excellent	Very Good	Good	Poor
1	How was the College hospitality?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Was the event information useful for your future career?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Was the event well-paced within the allotted time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	How is the College Campus?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Are the contents presented in an organized manner?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	How was the overall arrangement of the event?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Was the refreshment provided (Yes/No)? If Yes, how was it..?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	How do you rate the Resources of the event?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Too Short	Right Length	Too long	
9	Was this event relevant to the topic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Introductory	Intermediate	Advanced	
10	In your opinion, how was this event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11	If Institute arranges more such events in future, will you be interested to attend?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
12	Would you recommend the event to others?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
13	Please identify any specific priority areas for you that could be the focus at future events	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>			
14	To what extent were your expectations fulfilled?	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>			
15	What did you most appreciate/enjoy/think was best about the Workshop? Any suggestions for improvement?	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>			

Date: *8-02-2024*



*[Signature]*  
Sign



**Ahmednagar Jilha Maratha Vidya Prasarak Samaj's**  
**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005, Maharashtra  
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Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

**Industrial visit at Sumago Infotech, Nasik Feedback by the Students**

Semester: 6

Academic Year: 2023-24

Name of Company : Sumago infotech

Class: T-Y

Name of Student: DARSHAN GAIKWAD

Date: 8/2/24

Contact No. 8180846398

Sr. No.	Content	Excellent	Very Good	Good	Poor
1	How was the College hospitality?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Was the event information useful for your future career?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Was the event well-paced within the allotted time?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	How is the College Campus?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Are the contents presented in an organized manner?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	How was the overall arrangement of the event?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Was the refreshment provided (Yes/No)? If Yes, how was it..?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	How do you rate the Resources of the event?				
		Too Short	Right Length		Too long
9	Was this event relevant to the topic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
		Introductory	Intermediate		Advanced
10	In your opinion, how was this event?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
		Yes	No		
11	If Institute arranges more such events in future, will you be interested to attend?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
		Yes	No		
12	Would you recommend the event to others?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
13	Please identify any specific priority areas for you that could be the focus at future events	<div style="border-bottom: 1px solid black; height: 15px; width: 100%;"></div> <div style="border-bottom: 1px solid black; height: 15px; width: 100%;"></div> <div style="border-bottom: 1px solid black; height: 15px; width: 100%;"></div>			
14	To what extent were your expectations fulfilled?	<div style="border-bottom: 1px solid black; height: 15px; width: 100%;"></div> <div style="border-bottom: 1px solid black; height: 15px; width: 100%;"></div> <div style="border-bottom: 1px solid black; height: 15px; width: 100%;"></div>			
15	What did you most appreciate/enjoy/think was best about the Workshop? Any suggestions for improvement?	<div style="border-bottom: 1px solid black; height: 15px; width: 100%;"></div> <div style="border-bottom: 1px solid black; height: 15px; width: 100%;"></div> <div style="border-bottom: 1px solid black; height: 15px; width: 100%;"></div>			

Date: 8/2/24



dp  
Sign





**Ahmednagar Jilha Maratha Vidya Prasarak Samaj's**  
**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

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**Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.**

**Industrial visit at Sumago Infotech, Nasik Feedback by the Students**

Academic Year: 2023-24

Semester: VII

Name of Company: Sumago Infotech

Class: TY Diploma  
Name of Student: Samarth Dhole

Date: 8/12/24  
Contact No. 9960656669

Sr. No.	Content	Excellent	Very Good	Good	Poor
1	How was the College hospitality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Was the event information useful for your future career?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Was the event well-paced within the allotted time?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	How is the College Campus?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Are the contents presented in an organized manner?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	How was the overall arrangement of the event?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Was the refreshment provided (Yes/No)? If Yes, how was it..?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	How do you rate the Resources of the event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Too Short	Right Length	Too long	
9	Was this event relevant to the topic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Introductory	Intermediate	Advanced	
10	In your opinion, how was this event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11	If Institute arranges more such events in future, will you be interested to attend?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
12	Would you recommend the event to others?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
13	Please identify any specific priority areas for you that could be the focus at future events	<u>Block chain</u>			
14	To what extent were your expectations fulfilled?				
15	What did you most appreciate/enjoy/think was best about the Workshop? Any suggestions for improvement?	<u>enjoy</u>			

Date:

Sign





**Ahmednagar Jilha Maratha Vidya Prasarak Samaj's**  
**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005, Maharashtra  
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Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

**Industrial visit at Sumago Infotech, Nasik Feedback by the Students**

Academic Year: 2023-24

Semester: 6<sup>th</sup>

Name of Company: sumago infotech

Class: T.Y Diploma

Name of Student: Atkawa Nagine

Date: 8/02/24

Contact No. 9922240311

Sr. No.	Content	Excellent	Very Good	Good	Poor
1	How was the College hospitality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Was the event information useful for your future career?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Was the event well-paced within the allotted time?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	How is the College Campus?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Are the contents presented in an organized manner?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	How was the overall arrangement of the event?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	Was the refreshment provided (Yes/No)? If Yes, how was it..?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	How do you rate the Resources of the event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Too Short	Right Length	Too long	
9	Was this event relevant to the topic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Introductory	Intermediate	Advanced	
10	In your opinion, how was this event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11	If Institute arranges more such events in future, will you be interested to attend?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
12	Would you recommend the event to others?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>		
13	Please identify any specific priority areas for you that could be the focus at future events				
14	To what extent were your expectations fulfilled?				
15	What did you most appreciate/enjoy/think was best about the Workshop? Any suggestions for improvement?				

8/2/24  
Date:



[Signature]  
Sign






## DEPARTMENT OF CIVIL ENGINEERING


### INDEX

#### Academic Year 2023-24 (SEM-II)

Sr. No.	Subject	Date of Visit	Place	Remark
1.	Solid Waste Management	23/04/2024	Biomedical Waste Treatment Plant, Ahmednagar.	
2.	Dams & Hydraulics Structures	16/04/2024	Mula Dam, Rahuri, Ahmednagar.	
3.	Hydropower Engineering	13/04/2024	Radhanagari Dam, Kolhapur.	
4.	Waste Water Engineering	08/04/2024	CG Power & Industrial Solution Ltd, MIDC, Ahmednagar.	
5.	Design of Reinforced Concrete structures	12/04/2024	Ongoing Construction of SCSMCOE, Nepti.	
		07/03/2024	Building Under Construction of Shri Bramhachaitanya Gondavalekar Maharaj Upasana Sansthan Trust, Ahmednagar.	

  
Visit Co-Ordinator  
Prof. R.R. Dagdiya




  
HOD  
Prof. P.G. Nikam  
HOD  
Civil Department  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar




## DEPARTMENT OF CIVIL ENGINEERING INDEX

Academic Year 2023-24 (SEM-I)

Sr. No.	Subject	Date of Visit	Place	Remark
1.	Engineering Geology	08/11/2023	Gargoti Museum, Sinnar, Nashik	
2.	Fluid Mechanics	08/11/2023	MERI, Nashik	
3.	Transportation Engineering	03/11/2023	Shendi, Ahmednagar	
4.	Air Pollution and Control	27/10/2023	Klassic Wheels Ltd. MIDC, Ahmednagar	
5.	Water Supply Engineering	12/10/2023	Water Treatment Plant, MIDC, Ahmednagar	
6.	Hydrology and Water Resources Engineering	11/10/2023	Metrological Department, Newasa	
7.	Advanced Design of Concrete Structures	08/10/2023	Ongoing Construction of SCSMCOE, Nepti	

  
Visit Co-Ordinator  
Prof. R.R. Dagdiya



  
HOD  
Prof. P.G. Nikam  
HOD  
Civil Department  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**Shri Chhatrapati Shivaji Maharaj**  
**College of Engineering, Nepti, Ahmednagar**



Survey No. 162 & 133, Nepti, Nagar-Kalyan Road, Ahmednagar - 414 005 (Maharashtra)  
NAAC 'B+' Grade Accredited Institution, ISO 9001 : 2015 Certified

E-Mail : scsmcoe\_anr@hotmail.com

University ID - PU/PN/Engg. 121/2011

Tel. No. : 0241-2568383

Website : www.scoe.org

DTE Code : EN 5382

Fax : 0241-2568384

MSBTE Code - 1953

@scsmcoe\_anr

Approved by AICTE New Delhi, Govt. of Maharashtra & Recognised by DTE Mumbai & Affiliated to Savitribai Phule Pune University & MSBTE Mumbai

Ref. No. : SCSMCOE / 2023. - 2024/281

Date : 19 / 04 / 2024

To,

The Manager  
Bioclean System India Pvt. Ltd,  
Ahmednagar.

**Subject** – Regarding permission to visit at Biomedical Waste Management Plant.

Respected Sir,

Shri. Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar is established in year 2011 by Ahmednagar Jilha Maratha Vidya Prasarak Samaj, Ahmednagar. The college is approved by AICTE, New Delhi, Recognized by DTE, Mumbai and affiliated to Savitribai Phule Pune University, Pune. The college runs five branches of engineering viz. Artificial Intelligence and Data Science Engineering, Civil Engineering, Computer Engineering, E&TC Engineering and Mechanical Engineering.

As per the curriculum of Savitribai Phule Pune University, a visit to Solid Waste Management Plant, under the subject of Solid Waste Management is mandatory for the student of 3<sup>rd</sup> year Civil Engineering.

I kindly request you to permit our 38 third year Civil Engineering student for visit to Solid Waste Management Plant if possible on 23<sup>rd</sup> Apr 2024 or as per your convenience. Our two staff members will also accompany them. You are also requested to spare technical person to give information about Plant.

Your help in this regard is highly appreciated. Thanking you in anticipation.



Yours Truly,

*[Signature]*  
Dr. Y. R. Kharde  
PRINCIPAL

Shri. Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar

Contact Person: Prof. Nikam P. G. (9156990001)





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**  
 Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005. Maharashtra

### Department of Civil Engineering

#### TE Civil Engineering Roll Call List

Industrial Visit: Biomedical Waste Treatment Plant, Ahmednagar

Date: 23/04/2024

Roll. No	Name of Student	Students Mob No.	Parents Contact No.	Students Sign
1	Adik Pallavi Prakash	9130617904		Pallavi.A.
2	Aglawe Abhijit Dattatray	8767714209	9284833321	Aglaw.
3	Amale Trupti Subash	8275661771	8180814195	Amale
4	Anhad Rushikesh Vijay	7920764606	201020020	ANHAD
5	Dhere Krushna Gangadhar	8275367412	9890993195	Dhere
6	Falke Triveni Sandip	7620966525		Triveni
7	Gadekar Prajakta Raosaheb	8010136957	9766775758	Prajakta
8	Ghugarkar Manasi Santosh	8767544045	9823335644	Manasi
9	Gund Nakul Raghunath	9115806140	9146465857	Gund
10	Jadgdale Aditya Ajaynath			
11	Jadhav Pravin Bhagwan	9011063339	7083014445	Pravin
12	Kale Vaibhav Kaluram	7293909909	7293889988	Kale
13	Kamble Dnyanjoti Dnyanoba	7774812424	9421358599	Kamble
14	Kashid Vimal Sakharam	7447812191	9767129891	Kashid
15	Mhase Shivendra Ajay	8408086161		Mhase
16	Nimse Aditya Vijay	9730686783	9112978481	Nimse
17	Sharma Karan Kashmirilal	9322948228	9021167278	Sharma
18	Supekar Akanksha Umaji	9604946396		Supekar
19	Thorat Pooja Bhagwan	8080130028	9922364768	Thorat P.B.
20	Wavhel Indrayani Shivaji	9422700147	9226782037	Wavhel





Roll. No	Name of Student	Students Mob No.	Parents Contact No.	Students Sign
21	Gawali Navnath Raghunath	7504424242		
22	Satpute Kartik Raosaheb	9604553978		
23	Belekar Bhakti Sunil			
24	Darandale Viraj Uday			
25	Dasari Bharat Dattatray			
26	Gahile Chaitanya Rajendra			
27	Kapre Mangesh Mahadeo			
28	Matta Pritika Sunil	8209314820	9028686737	Pritika
29	Medhe Ashutosh Santosh	9762955741	8888425768	A.S. Medhe.
30	Nimonkar Yash Balasaheb			
31	Sarode Avinash Satish			
32	Sase Dinesh Nilesh	9420634717	9766035761	
33	Shaikh Arbaj Ibrahim			
34	Shaikh Mohd Aymaan Ajaud	9172905189	8156791062	
35	Takur Akashsing Mulayam			
36	Thombare Adi Gorakh	8323072165	7354083029	
37	Yethekar Prasenjit Navnath			

Visit Incharge

Prof. A. R. Pardeshi

Prof. A. R. Gawali



HOD

Prof. P. G. Nikam

HOD

Chief In-charge

Shri Chhatrapati Shivaji Maharaj College of Engineering, Nagpur






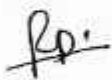
## SCHEDULE OF VISIT

Date of Visit: 23 April, 2024


Sr. No.	Activity	Time
1	Gathering at Biomedical waste Management Plant	11.00 am
2	Visit to Plant	11.30 to 01.00 pm
3	Arrival at College	01.30 pm

### Visit Incharge-

- 1) Prof. P. G. Nikam - 
- 2) Prof. A. R. Gawali - 
- 3) Prof. A. R. Pardeshi - 

  
Visit Co-Ordinator  
Prof. R. R. Dagdiya



  
HOD  
Prof. P. G. Nikam

Copy to - 1. Principal for information

  
HOD  
Civil Department  
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar





Date : 19/04/2024


**NOTICE**

All the Students are informed that Department is organizing visit of TE Civil Students to Biomedical Waste Management Plant at Burudgaon, on 23<sup>rd</sup> April 2024. All students have to report upto 11:00am. All students should be in proper uniform with ID card. Face Mask and shoes are compulsory for the visit.


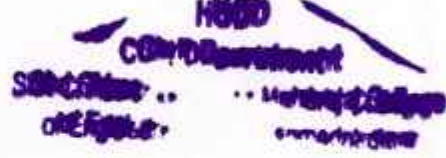
In order to smooth conduction of visit, following committees are formed.

Sr. No.	Description of Work	Incharge
1	Discipline, Conduction & Photographs	Prof. A. R. Gawali & Prof. A. R. Pardeshi
2	Letter of permission, Overall Coordination & Reports	Prof. P. G. Nikam

And all respected subject teachers are directed to prepare visit report and feedback form for their subject visit. The Xerox copy of permission letters of industry should be submitted towards Mr. R. R. Dagdiya

  
**Visit Co-Ordinator**  
Prof. R. R. Dagdiya



  
**HOD** 19-04-24  
Prof. P. G. Nikam  


**Copy to** – 1. Principal for information

2. Notice Board

Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
SHRI CHHATRAPATI SHIVAJI MAHARAJ  
COLLEGE OF ENGINEERING, NEPTI, AHMEDNAGAR.

UNDERTAKING


Date: 23/04/24

I Sare Dinkar Niles student of Civil is submitting my undertaking that, I am completely aware of my duties and responsibilities regarding technical visit at Dis. medical work


Dated on 23/04/24 to 25/04/24

I submit my assurance that, I am solely responsible for any untoward incident which may happen during the visit. No one should be considered guilty, if any undesired incident happens. I assure you if any MISBEHAVIOUR from my side, whatever punishment given by college is acceptable to me.

Thanking you,

  
Sign of parents  
(With contact number)



  
Sign of student  
(With contact number)



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
SHRI CHHATRAPATI SHIVAJI MAHARAJ  
COLLEGE OF ENGINEERING, NEPTI, AHMEDNAGAR.

UNDERTAKING

Date 23/4/2024

I Nimse Aditya student of FE is submitting my undertaking that, I am completely aware of my duties and responsibilities regarding technical visit at Bio-medical waste  
Dated on 23-04-24 to 23-04-24

I submit my assurance that, I am solely responsible for any untoward incident which may happen during the visit. No one should be considered guilty, if any undesired incident happens. I assure you if any MISBEHAVIOUR from my side, whatever punishment given by college is acceptable to me.  
Thanking you,

Sign of parents  
(With contact number)



Nimse  
Sign of student  
(With contact number)

Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
SHRI CHHATRAPATI SHIVAJI MAHARAJ  
COLLEGE OF ENGINEERING, NEPTI, AHMEDNAGAR.

UNDERTAKING

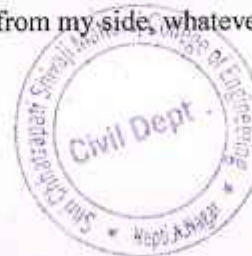
Date:


I Mhase Shwendra.....student of T.E..... is submitting my undertaking that, I am completely aware of my duties and responsibilities regarding technical visit at Bio Medical Waste Plant

Dated on 23/4/23 to 23/4/23

I submit my assurance that, I am solely responsible for any untoward incident which may happen during the visit. No one should be considered guilty, if any undesired incident happens. I assure you if any MISBEHAVIOUR from my side, whatever punishment given by college is acceptable to me.  
Thanking you,

Sign of parents  
(With contact number)



  
Sign of student  
(With contact number)



## **TO WHOM SO EVER MAY CONCERN**

This is to certify that the students of "Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti" of Class *TE Civil* (No.- ) have visited our premises and conducted their Visit at *Biomedical Waste Treatment Plant* for the subject *Solid Waste Management*.

The Visit was arranged accordingly to curriculum of Savitribai Phule Pune University, Pune.



Place: *Burudgaon, A' Nagar* Authorized Signature with Stamp

Date: *23/04/2024*



**Feedback of the Resource Person**  
**(Industrial Visit)**

Your feedback is critical to ensure we are meeting student's educational needs. We would appreciate if you could take a few minutes to share your opinion with us for future prospects.

Name of the Person:- Shaikh Najid  
Industry/Company Name:- Biocean system pvt. Ltd.  
Designation:- Plant manager.  
Email Id:- \_\_\_\_\_ Contact No:- 9922799793

- |  | Agree                               | Disagree                 |
|--|-------------------------------------|--------------------------|
| 1. The Visit was well paced within the allotted time                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. I would be interested in permitting students for such visits in future. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
- 
- | 3. Please rate the following:-                   | Excellent                           | Very Good                | Good                     | Fair                     | Poor                     |
|--|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| a. The overall visit program                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. How do you rate the interest of the students? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
- 
7. Which of the following best describes your current position?
- |   |   |
|---|---|
| <input checked="" type="checkbox"/> a. Manager / Project Incharge | <input type="checkbox"/> d. Administrator |
| <input type="checkbox"/> b. Sr. Engineer                          | <input type="checkbox"/> e. Engineer      |
| <input type="checkbox"/> c. Trainee                               | <input type="checkbox"/> f. Other: _____  |

8. How many years of professional experience do you have in this field? 12 Years

9. Any suggestions: \_\_\_\_\_

Place: Burudgaon  
Date: 23/04/2024



Shaikh N.A.  
Signature:-





**Feedback of the Student**  
**(Industrial Visit)**

Your feedback is critical to ensure we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinion with us for future prospects.

Details of the Visit:- Bio medical waste plant

Date of Visit :- 23/09/24

- |  | Agree                               | Disagree                 |
|--|-------------------------------------|--------------------------|
| 1. The program was well paced within the allotted time | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. I would be interested in attending more such visits | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
3. Please rate the following:-
- |   | Excellent                           | Very Good                           | Good                     | Fair                     | Poor                     |
|---|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| a. The program overall                              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. How was your experience at industrial?<br>Visit? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
4. How would you rate your overall experience of the visit on the scale of 1-100? 90
5. Are you interested to participate in such program in our Institute in future? Yes/No
6. Was the industrial visit coordinator co-operative with you? Good/Better/Best
7. Were you satisfied with the type of service you received in the whole tour of industrial visit  
Satisfied/not satisfied Satisfied
8. Kindly describe the knowledge you gained from the Visit in few words.

It is very good for us students. They help us to  
improve our.



Roll No:-  
Name:-  
Signature:-



**Feedback of the Student**  
**(Industrial Visit)**

Your feedback is critical to ensure we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinion with us for future prospects.

Details of the Visit:- Biomedical Waste Management  
Plant, Burudgaon

Date of Visit :-

- |  | Agree                               | Disagree                 |
|--|-------------------------------------|--------------------------|
| 1. The program was well paced within the allotted time | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. I would be interested in attending more such visits | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
3. Please rate the following:-
- |   | Excellent                           | Very Good                           | Good                     | Fair                     | Poor                     |
|---|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| a. The program overall                              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. How was your experience at industrial?<br>Visit? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
4. How would you rate your overall experience of the visit on the scale of 1-100? 95
5. Are you interested to participate in such program in our Institute in future? Yes/No
6. Was the industrial visit coordinator co-operative with you? Good/Better/Best
7. Were you satisfied with the type of service you received in the whole tour of industrial visit  
Satisfied/not satisfied
8. Kindly describe the knowledge you gained from the Visit in few words.

The visit at biomedical waste management  
plant is very informative and practical.  
It cleared so many theoretical concepts



Roll No:- 17  
Name:- Sharma Karan  
Signature:- [Signature]





08

Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**  
Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005. Maharashtra  
Department of Civil Engineering

**Feedback of the Student**  
**(Industrial Visit)**

Your feedback is critical to ensure we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinion with us for future prospects.

Details of the Visit:- Bio Medical waste plant

Date of Visit :- 23/4/24

- |  | Agree                               | Disagree                 |
|--|-------------------------------------|--------------------------|
| 1. The program was well paced within the allotted time | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. I would be interested in attending more such visits | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

3. Please rate the following:-

- |   | Excellent                           | Very Good                | Good                     | Fair                     | Poor                     |
|---|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| a. The program overall                              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. How was your experience at industrial?<br>Visit? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

4. How would you rate your overall experience of the visit on the scale of 1-100?

90

5. Are you interested to participate in such program in our Institute in future?

Yes/No

6. Was the industrial visit coordinator co-operative with you?

Good/Better/~~Best~~

7. Were you satisfied with the type of service you received in the whole tour of industrial visit

Satisfied/not satisfied

8. Kindly describe the knowledge you gained from the Visit in few words.

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---

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Roll No:- 5

Name:- Mhadeshwandra

Signature:- [Signature]



**Ahmednagar Jilha Maharatha vidya Prasarak Samaj's  
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti,  
Ahmednagar.**

**Visit Report  
ON  
BIOMEDICAL WASTE MANAGEMENT PLANT  
BURUDGAON , AHMEDNAGAR**

**SUBMITTED BY**

**Name:** GHUGARKAR MANASI SANTOSH

**Class:** TE, CIVIL.

**Roll No:** 08

**Department of civil Engineering**

**A.Y. 2023-24**





**Date of Visit** : 23 April 2024 , Tuesday

**Place of visit** : Shri Chhatrapati Shivaji Maharaj College Of Engineering, Nepti

**Address** : Burudgaon Biomedical waste management plant Ahmednagar

**Faculty Incharge** : Prof. P.G. Nikam.

### A) Introduction

Biomedical waste or hospital waste is any kind of waste containing infectious (or potentially infectious) materials generated during the treatment of humans or animals as well as during research involving biologics.

It may also include waste associated with the generation of biomedical waste that visually appears to be of medical or laboratory origin (e.g. packaging, unused bandages, infusion kits etc.), as well research laboratory waste containing biomolecules or organisms that are mainly restricted from environmental release.

As detailed below, discarded sharps are considered biomedical waste whether they are contaminated or not, due to the possibility of being contaminated with blood and their propensity to cause injury when not properly contained and disposed. Biomedical waste is a type of bio-waste.

Biomedical waste may be solid or liquid. Examples of infectious waste include discarded blood, sharps, unwanted microbiological cultures and stocks, identifiable body parts (including those as a result of amputation), other human or animal tissue, used bandages and dressings, discarded gloves, other medical supplies that may have been in contact with blood and body fluids, and laboratory waste that exhibits the characteristics described above. Waste sharps include potentially contaminated used (and unused discarded) needles, scalpels, lancets and other devices capable of penetrating skin.

### B) Management

Biomedical waste must be properly managed and disposed of to protect the environment, general public and workers, especially healthcare and sanitation workers who are at risk of exposure to biomedical waste as an occupational hazard. Steps in the management of biomedical waste include generation, accumulation, handling, storage, treatment, transport and disposal.

The development and implementation of a national waste management policy can Improve biomedical waste management in health facilities in a country.



### Generation and accumulation

Biomedical waste should be collected in containers that are leak-proof and sufficiently strong to prevent breakage during handling. Containers of biomedical waste are marked with a biohazard symbol. The container, marking, and labels are often red.

Discarded sharps are usually collected in specialized boxes, often called needle boxes.

### Storage and handling

Storage refers to keeping the waste until it is treated on-site or transported off-site for treatment or disposal. There are many options and containers for storage. Regulatory agencies may limit the time for which waste can remain in storage. Handling is the act of moving biomedical waste between the point of generation, accumulation areas, storage locations and on-site treatment facilities. Workers who handle biomedical waste must observe *standard precautions*.

### Treatment

The goals of biomedical waste treatment are to reduce or eliminate the waste's hazards, and usually to make the waste unrecognizable. Treatment should render the waste safe for subsequent handling and disposal. There are several treatment methods that can accomplish these goals. It includes segregating the bio waste.

**Incinerated conveyor belt**



Biomedical waste is often Incinerator . An efficient incinerator will destroy pathogens and sharps. Source materials are not recognizable in the resulting ash. Alternative thermal treatment can also include technologies such as gasification and pyrolysis including energy recovery with similar waste volume reductions and pathogen destruction.





Post incineration process, toxic ash residue is produced and is often disposed at landfills. These landfills are not protected by any barrier and the residue has the potential of reaching underground water that is often exposed to human use.

The combustion of plastic material releases toxic gases that escapes and joins breathable air. Human and animal exposure to such gases can cause long term breathing and health issues.

AUTOCLAVE	
TECHNICAL SPECIFICATION	
COMPANY	B. L. ENGINEERING
TYPE	HORIZONTAL STEAM STERILIZER
CONSTRUCTION	SS-316L
LENGTH OF CYL. SHELL	1200mm
INTERNAL VOLUME	0.9 m <sup>3</sup>
GROSS WEIGHT	1250 Kg
POWER	18 Kw
VOLTAGE	440 V
CYCLE CAPACITY	80 Kg/hr
WORKING TEMP	123°C
WORKING PRESSURE	1.2 Kg/Cm <sup>2</sup>
CYCLE TIME	60 Min

The rotation of toxic air does not only impact human well-being, but also of animals and plants.

An autoclave may also be used to treat biomedical waste. An autoclave uses steam and pressure to sterilize the waste or reduce its microbiological load to a level at which it may be safely disposed of. Many healthcare facilities routinely use an autoclave to sterilize medical supplies. If the same autoclave is used to sterilize supplies and treat biomedical waste, administrative controls must be used to prevent the waste operations from contaminating the supplies. Effective administrative controls include operator training, strict procedures, and separate times and space for processing biomedical waste.





Microwave disinfection can also be employed for treatment of Biomedical wastes. Microwave irradiation is a type of non-contact heating technologies for disinfection. Microwave chemistry is based on efficient heating of materials by microwave dielectric heating effects.

When exposed to microwave frequencies, the dipoles of the water molecules present in cells re-align with the applied electric field. As the field oscillates, the dipoles attempts to realign itself with the alternating electric field and in this process, energy is lost in the form of heat through molecular friction and dielectric loss.

Microwave disinfection is a recently developed technology which provides advantage over old existing technologies of autoclaves as microwave based disinfection has less cycle time, power consumption and it requires minimal usage of water and consumables as compared to autoclaves.

For liquids and small quantities, a 1–10% solution of bleach can be used to disinfect biomedical waste. Solutions of sodium hydroxide and other chemical disinfectants may also be used, depending on the waste's characteristics. Other treatment methods include heat, alkaline digesters and the use of microwaves.





## Classification



The international symbol for biological hazard.

The Bio-medical Waste (Management and Handling) Rules, 1998 and further amendments were passed for the regulation of bio-medical waste management. On 28 March 2016 Biomedical Waste Management Rules (BMW 2016)[15] were also notified by Central Govt. Each state's Pollution Control Board or Pollution control Committee will be responsible for implementing the new legislation.

New regulations affect the distribution of medical waste by medical professionals into their proper receptacles.

The latest guidelines for segregation of bio-medical waste recommend the following color coding:

- **Red Bag** – Syringes (without needles), soiled gloves, catheters, IV tubes etc. should be all disposed of in a red colored bag, which will later be incinerated.
- **Yellow Bag** – All dressings, bandages and cotton swabs with body fluids, blood bags, human anatomical waste, body parts are to be discarded in yellow bags.
- **Cardboard box with blue marking** – Glass vials, other glass ware is to be discarded in a cardboard box with a blue marking/sticker.
- **White Puncture Proof Container (PPC)** – Needles, sharps, blades are disposed of in a white translucent puncture proof container.
- **Black Bags** – These are to be used for non-bio-medical waste. In a hospital setup, this includes stationary, vegetable and fruit peels, leftovers, packaging including that from medicines, disposable caps, disposable masks, disposable shoe-covers, disposable tea cups, cartons, sweeping dust, kitchen waste etc.



### **Impact on the environment**

Post incineration process, toxic ash residue is produced and is often disposed at landfills. These landfills are not protected by any barrier and the residue has the potential of reaching underground water that is often exposed to human use. The combustion of plastic material releases toxic gases that escapes and joins breathable air. Human and animal exposure to such gases can cause long term breathing and health issues. The rotation of toxic air does not only impact human well-being, but also of animals and plants.

Air pollution caused by the incinerators depletes the ozone layer, causes crop and forest damage, and increases the effects of climate change. Constant exposure to such toxins and chemicals in the air could be deemed detrimental to trees and plants and could eventually lead to extinction of certain plants in specific areas. Pollution and chemical leaks also affect the fruits of trees and would cause them to be poisonous and therefore inedible.

Improper management of health care waste can have both direct and indirect health consequences for health personnel, community members and on the environment. Indirect consequences in the form of toxic emissions from inadequate burning of medical waste, or the production of millions of used syringes in a period of three to four weeks from an insufficiently well planned mass immunization campaign.

Biomedical waste is not limited to medical instruments; it includes medicine, waste stored in red biohazard bags, and materials used for patient care, such as cotton and band-aids. The most serious effect that biomedical waste has on our seas is the discharge of poisons into the waters that could then be consumed by ocean life creatures.

### **C) Visit Photograph**

✓







*Prithvi*





**Ahmednagar Jilha Maharatha vidya Prasarak Samaj's  
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti,  
Ahmednagar.**

**Visit Report  
ON  
SOLID WASTE MANAGEMENT PLANT  
(VERMICOMPOST PLANT)  
SCSMCOE, NEPTI, AHMEDNAGAR**

**SUBMITTED BY**

**Name:** GHUGARKAR MANASI SANTOSH

**Class:** TE, CIVIL.

**Roll No:** 08

**Department of civil Engineering**

**A.Y. 2023-24**





**Date of Visit** : Thursday 02<sup>nd</sup> April 2024

**Place of visit** : Shri Chhatrapati Shivaji Maharaj College Of Engineering, Nepti

**Address** : Survey No. 162 & 163 Nepti , Nagar – Kalyan Road ,  
Ahmednagar – 414005

**Faculty Incharge** : Prof. P.G. Nikam.

**Technical Expert** : Mr. Digesh Pawar and Mr. Nitin Hole

### **A] Introduction**

SCSMCOE institution practices waste management including solid waste management, liquid waste management, E-waste management and Waste Recycling.

#### **Solid waste management:**

Solid waste is collected on the campus and classified into degradable and non-degradable waste. Non degradable waste is sent to Municipal Corporation for further processing. Degradable waste separated into dry and wet waste. In the Institution mostly dry waste is generated, waste bins are provided in the corridor laboratory and classrooms. Wet waste mostly generates at the canteen, two separate waste bins are provided to collect dry and wet waste separately at the canteen. The institution has a facility to decompose degradable solid waste in vermicomposting pit in the campus vermicompost plant is efficiently working with a capacity to generate good quality of manure. This manure is used as fertilizer for gardening.

#### **E-waste management:**

E-waste electrical or electronic components or devices discarded after the end of useful life. The rapid expansion of technology and addiction of society to it result in the creation of e-waste. An electronic component like CPU contains lead, cadmium beryllium which i harmful to living beings. As the institution is incepted in 2011 less e-waste is generated. An external agency helps in recycling of e-waste like keyboard, mouse toner drum, compact discs LA cable CPU batteries and dry batteries.



**Waste recycling system:**

An external agency takes care of the recycling of old newspapers, journals, files, notebooks, books, institute level answer sheets, forms, magazines, and metal scrap from the workshop. The solid waste generated in civil consultancy is used in the construction of open theatre near the Library, filler for ongoing construction work and beautification of garden and trees.

**B] Details about Vermicompost Plant:**

Most of the solid waste generated in the SCSMCOE campus contains plant leaves, small branches from the garden and tree plantation area. This solid waste is collected twice a week and stored in a Vermicompost plant Pit No-1. Then it is prepared properly for next compost batch in Pit No-2 where initially over brick bat portion soil layer is spread then cow dung is also spread on the soil layer. Then a layer of degradable solid waste is spread uniformly over it. At the top surface water is spread and verms are introduced in the pit for the process of degradation of solid waste. Daily water is spread over the pit which is covered with wet gunny bags. This temperature and moisture condition is essential for the verms so that they can properly decompose the material.

Within a week the material is mixed properly so that temperature should not rise in the Pit No-2. At the end of 3-4 months all the material gets consumed by the verms present in the pit and granular excreta is released as their digestion waste. This granular material looks like a tea powder which is nothing but a vermicompost (manure). Prepared vermin compost is then collected properly in the bags and same is used a manure for the trees present in the college campus.

**C] Production Technology****Vermicomposting materials:**

Decomposable organic wastes such as animal excreta, kitchen waste, farm residues and forest litter are commonly used as composting materials. In general, animal dung mostly cow dung and dried chopped crop residues are the key raw materials. Mixture of leguminous and non-leguminous crop residues enriches the quality of vermicompost. Red earthworm (*Eisenia foetida*) is preferred species of earthworms because of its high multiplication rate and thereby converts the organic matter into vermicompost within 45-50 days. Since it is a surface feeder it converts organic materials into vermicompost from top.





### Process of vermicompost preparation:

Vermicomposting is done by either bed or pit method. In bed method composting is done on the pucca / kachcha floor by making bed of organic mixture while in pit method it is done in the cemented pits.

- Vermicomposting unit should be in a cool, moist and shady site.
- Cow dung and chopped dried leafy materials are mixed in the proportion of 3: 1 and are kept for partial decomposition for 15-20 days.
- A layer of 15-20cm of chopped dried leaves/grasses should be kept as bedding material at the bottom of the bed.
- Beds of partially decomposed material of size 6x2x2 feet should be made.
- Each bed should contain 1.5-2.0q of raw material and the number of beds can be increased as per raw material availability and requirement.
- Red earthworm (1500-2000) should be released on the upper layer of bed.
- Water should be sprinkled with can immediately after the release of worms.
- Beds should be kept moist by sprinkling of water (daily) and by covering with gunny bags/polythene.
- Bed should be turned once after 30 days for maintaining aeration and for proper decomposition.
- Compost gets ready in 45-50 days. The finished product is 3/4th of the raw materials used.



**C] Visit Photographs :**



Photo No. : 1 – Students at vermicomposting plant.



Photo No. : 2 – Verms present in the pit.







Photo No. : 3 – Vermicompost Plant at SCSMCOE , Nepti.

✓

*P. Kulkarni*





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005. Maharashtra

Phone No :- 0241 - 2568383

Unipune - ID CEGA019270

Fax No: - 0241 - 2568384

Email: ajmvps123@gmail.com, scsmcoe.anr@hotmail.com, Website: www.scoea.org


Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

Department of Civil Engineering

05/10/23

**Notice**

All the Students of BE Civil are hereby informed that the guest lecture is organized on Preparation for competitive examination by Mr. Abhijeet Sharad Gore on 11<sup>th</sup> October 2023 in Seminar hall at 01:00 pm.

  
S. M. Palaskar  
Event In charge

  
P.G. Nikam  
HOD  
Civil Department  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar







Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

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Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

Ref No: **SCSMCOE/CIVIL/2023-24/162-01**

Date: **26/09/23**

To,

Abhijeet Sharad Gore,

Balikashram Road,

Ahmednagar.

Subject : Invitation to deliver expert lecture on Preparation for competitive examination

Dear Sir,

We are pleased to invite you to deliver expert lecture for BE Civil students scheduled on 11<sup>th</sup> October 2023 at 01:00 pm. Your expertise and knowledge in the area would add a great value to the one and all, especially the budding engineers of the country who require the guidance and path-breaking ideas to lead their way through the tough completion in the Global market on this day.

With your vast and in-depth knowledge in the area, you would be expected to deliver on the "Preparation for competitive examination" as we are aware of your great contribution to this field of work. We look forward to your presence and guidance in making the event successful.

Thanking you.

Yours faithfully

Dr. Y. R. Kharde

PRINCIPAL

Shri. Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar









Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

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Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

### Expert Lecture Feedback by the Students

Academic Year: 2023-24

Department of Civil Engineering

Semester: I

Expert Lecture By: Abhijeet Sharad Gore

Expert Lecture on: Preparation for competitive examination

Date: 11/10/2023

Class: BE

Name of Student: Pund Sakshi Rajendra

Contact No. 9322846346

Sr. No.	Content	Excellent	Very Good	Good	Poor
1	How was the College hospitality?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Was the event information useful for your future career?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Was the event well-paced within the allotted time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	How is the College Campus?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Are the contents presented in an organized manner?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	How was the overall arrangement of the event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Was the refreshment provided (Yes/No)? If Yes, how was it..?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	How do you rate the Resources of the event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Too Short	Right Length		Too long
9	Was this event relevant to the topic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
		Introductory	Intermediate		Advanced
10	In your opinion, how was this event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
11	If Institute arranges more such events in future, will you be interested to attend?	Yes	No		
		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
12	Would you recommend the event to others?	Yes	No		
		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
13	Please identify any specific priority areas for you that could be the focus at future events				
		Competitive exams			
14	To what extent were your expectations fulfilled?				
		yes			
15	What did you most appreciate/enjoy/learn about the Workshop? Any suggestions for improvement?				
		very useful event.			

Date: 11/10/2023

Sign Pund S.R.





**Ahmednagar Jilha Maratha Vidya Prasarak Samaj's**  
**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

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**Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.**

**Expert Lecture Feedback by the Students**

**Academic Year: 2023-24      Department of Civil Engineering**

**Semester: I**

**Expert Lecture By: Abhijeet Sharad Gore**

**Expert Lecture on: Preparation for competitive examination**

**Class: BE**

**Date: 11/10/2023**

**Name of Student: Kale Dipalichandrakant.**

**Contact No. 9075938684**

Sr. No.	Content	Excellent	Very Good	Good	Poor
1	How was the College hospitality?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Was the event information useful for your future career?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Was the event well-paced within the allotted time?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	How is the College Campus?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Are the contents presented in an organized manner?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	How was the overall arrangement of the event?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Was the refreshment provided (Yes/No)? If Yes, how was it..?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	How do you rate the Resources of the event?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Too Short	Right Length	Too long	
9	Was this event relevant to the topic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Introductory	Intermediate	Advanced	
10	In your opinion, how was this event?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11	If Institute arranges more such events in future, will you be interested to attend?	Yes	No		
		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
12	Would you recommend the event to others?	Yes	No		
		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
13	Please identify any specific priority areas for you that could be the focus at future events				
14	To what extent were your expectations fulfilled?	yes			
15	What did you most appreciate/enjoy/think was best about the Workshop? Any suggestions for improvement?				

Date: 11/10/2023

Signature: Kale



**Ahmednagar Jilha Maratha Vidya Prasarak Samaj's**  
**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005, Maharashtra

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**Expert Lecture Feedback by the Students**

**Academic Year: 2023-24**

**Department of Civil Engineering**

**Semester: I**

**Expert Lecture By: Abhijeet Sharad Gore**

**Expert Lecture on: Preparation for competitive examination**

**Date: 11/10/2023**

**Class: BE**

**Name of Student: ShriPat Sakshi**

**Contact No. 9022276234**

**Sr.**

**No.**

**Content**

**Excellent    Very Good    Good    Poor**

- |   |  |                                     |                                     |                                     |                          |
|---|--|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1 | How was the College hospitality?                             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| 2 | Was the event information useful for your future career?     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 3 | Was the event well-paced within the allotted time?           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 4 | How is the College Campus?                                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 5 | Are the contents presented in an organized manner?           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 6 | How was the overall arrangement of the event?                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 7 | Was the refreshment provided (Yes/No)? If Yes, how was it..? | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8 | How do you rate the Resources of the event?                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |

**Too Short    Right Length    Too long**

- |   |                                       |                          |                                     |                          |
|---|---------------------------------------|--------------------------|-------------------------------------|--------------------------|
| 9 | Was this event relevant to the topic? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|---------------------------------------|--------------------------|-------------------------------------|--------------------------|

**Introductory    Intermediate    Advanced**

- |    |                                      |                          |                                     |                          |
|----|--------------------------------------|--------------------------|-------------------------------------|--------------------------|
| 10 | In your opinion, how was this event? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|----|--------------------------------------|--------------------------|-------------------------------------|--------------------------|

- |    |   |                                     |                          |
|----|---|-------------------------------------|--------------------------|
| 11 | If Institute arranges more such events in future, will you be interested to attend? | <b>Yes</b>                          | <b>No</b>                |
|    |   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

- |    |  |                                     |                          |
|----|--|-------------------------------------|--------------------------|
| 12 | Would you recommend the event to others? | <b>Yes</b>                          | <b>No</b>                |
|    |  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

- |    |  |                         |
|----|--|-------------------------|
| 13 | Please identify any specific priority areas for you that could be the focus at future events | <u>MPSC examination</u> |
|----|--|-------------------------|

- |    |  |                            |
|----|--|----------------------------|
| 14 | To what extent were your expectations fulfilled? | <u>Partially fulfilled</u> |
|----|--|----------------------------|

- |    |   |  |
|----|---|--|
| 15 | What did you most appreciate/enjoy about the Workshop? Any suggestions for improvement? |  |
|----|---|--|

**Date: 11/10/23**



**Sign**

Sakshi





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Academic Year: 2023-24      Department of Civil Engineering

Semester: I

Expert Lecture By: Abhijeet Sharad Gore

Expert Lecture on: Preparation for competitive examination

Class: BE

Date: 11/10/2023

Name of Student: Sakhare Komal

Contact No. 8600820301

Sr. No.	Content	Excellent	Very Good	Good	Poor
1	How was the College hospitality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Was the event information useful for your future career?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Was the event well-paced within the allotted time?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	How is the College Campus?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Are the contents presented in an organized manner?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	How was the overall arrangement of the event?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	Was the refreshment provided (Yes/No)? If Yes, how was it..?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	How do you rate the Resources of the event?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Too Short	Right Length	Too long	
9	Was this event relevant to the topic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Introductory	Intermediate	Advanced	
10	In your opinion, how was this event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11	If Institute arranges more such events in future, will you be interested to attend?	Yes	No		
		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
12	Would you recommend the event to others?	Yes	No		
		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
13	Please identify any specific priority areas for you that could be the focus at future events				
14	To what extent were your expectations fulfilled?	<u>Partially fulfilled</u>			
15	What did you most appreciate/enjoy/thing was best about the Workshop? Any suggestions for improvement?	<u>The way of Guiding Students.</u>			



Date: 11/10/23

Sign

Komal



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**Academic Year: 2023-24      Department of Civil Engineering**

**Semester: I**

**Expert Lecture By: Abhijeet Sharad Gore**

**Expert Lecture on: Preparation for competitive examination**

**Class: BE**

**Date: 11/10/2023**

**Name of Student: Thombare Avantika Machhindra      Contact No. 9168788022**

Sr. No.	Content	Excellent	Very Good	Good	Poor
1	How was the College hospitality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Was the event information useful for your future career?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Was the event well-paced within the allotted time?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	How is the College Campus?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Are the contents presented in an organized manner?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	How was the overall arrangement of the event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Was the refreshment provided (Yes/No)? If Yes, how was it..?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	How do you rate the Resources of the event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Too Short	Right Length	Too long	
9	Was this event relevant to the topic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Introductory	Intermediate	Advanced	
10	In your opinion, how was this event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11	If Institute arranges more such events in future, will you be interested to attend?	Yes	No		
		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
12	Would you recommend the event to others?	Yes	No		
		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
13	Please identify any specific priority areas for you that could be the focus at future events				
14	To what extent were your expectations fulfilled?	yes, fulfilled			
15	What did you most appreciate/enjoy/think was best about the Workshop? Any suggestions for improvement?	Proper guidance about future.			

Date: 11/10/23

Sign: A.M. Thombare





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**Expert Lecture Feedback by the Students**

**Academic Year: 2023-24      Department of Civil Engineering**

**Semester: I**

**Expert Lecture By: Abhijeet Sharad Gore**

**Expert Lecture on: Preparation for competitive examination**

**Class: BE**

**Date: 11/10/2023**

**Name of Student:** Nikrad Tejashree Chandrakant **Contact No.** 8788013404

Sr. No.	Content	Excellent	Very Good	Good	Poor
1	How was the College hospitality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Was the event information useful for your future career?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Was the event well-paced within the allotted time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	How is the College Campus?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Are the contents presented in an organized manner?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	How was the overall arrangement of the event?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Was the refreshment provided (Yes/No)? If Yes, how was it..?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	How do you rate the Resources of the event?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Too Short	Right Length	Too long	
9	Was this event relevant to the topic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Introductory	Intermediate	Advanced	
10	In your opinion, how was this event?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
11	If Institute arranges more such events in future, will you be interested to attend?	Yes	No		
		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
12	Would you recommend the event to others?	Yes	No		
		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
13	Please identify any specific priority areas for you that could be the focus at future events				
14	To what extent were your expectations fulfilled?				
		<u>Yes</u>			
15	What did you most appreciate/enjoy/think was best about the Workshop? Any suggestions for improvement?				

**Date:** 11/10/23

**Sign**

T.C. N. K. S. A. E. L.



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### Feedback of Expert

Expert Lecture on : Preparation for competitive examination

Name of the Expert : Abhijeet Sharad Gore

Contact No : 7743992505 Email ID- abhigore55@gmail.com

Date :

- |  | Agree                               | Disagree                 |
|--|-------------------------------------|--------------------------|
| 1 The program was well paced within the allotted time  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2 I would be interested in attending a follow-up, more advanced workshop on this same subject. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

- |                      | Introductory             | Intermediate                        | Advanced                 |
|----------------------|--------------------------|-------------------------------------|--------------------------|
| 3 Level of the Event | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

- |   | Excellent                           | Very Good                           | Good                                | Fair                     | Poor                     |
|---|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| 4 Hospitality of Host Institute                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 How was the arrangement of the workshop       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 The program overall                           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 How do you rate the interest of the audience? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |

- 8 Which of the following best describes your current position?

☐ Practicing conservator ☐ Administrator ☐ Conservation scientist ☐ Educator

- 9 How many years of professional experience do you have in this field?   —   Years

- 10 Are you interested to participate in such program in our Institute in future? Yes /   No

Signature With Date :

Abhijeet  
11/10/23







## **Report on**

### **“Expert lecture on Preparation for competitive examination”**

**Event Title :** Expert lecture on Preparation for competitive examination

**Date :** 11<sup>th</sup> October 2023

**Venue :** Civil Engineering Department, SCSMCOE.

**Name of the Organizing Department :** Civil Engineering

**Sponsoring Organization(s) :** SCSMCOE

**No. of Sessions :** 01

**No. of Participants :** 10

#### **Overview :**

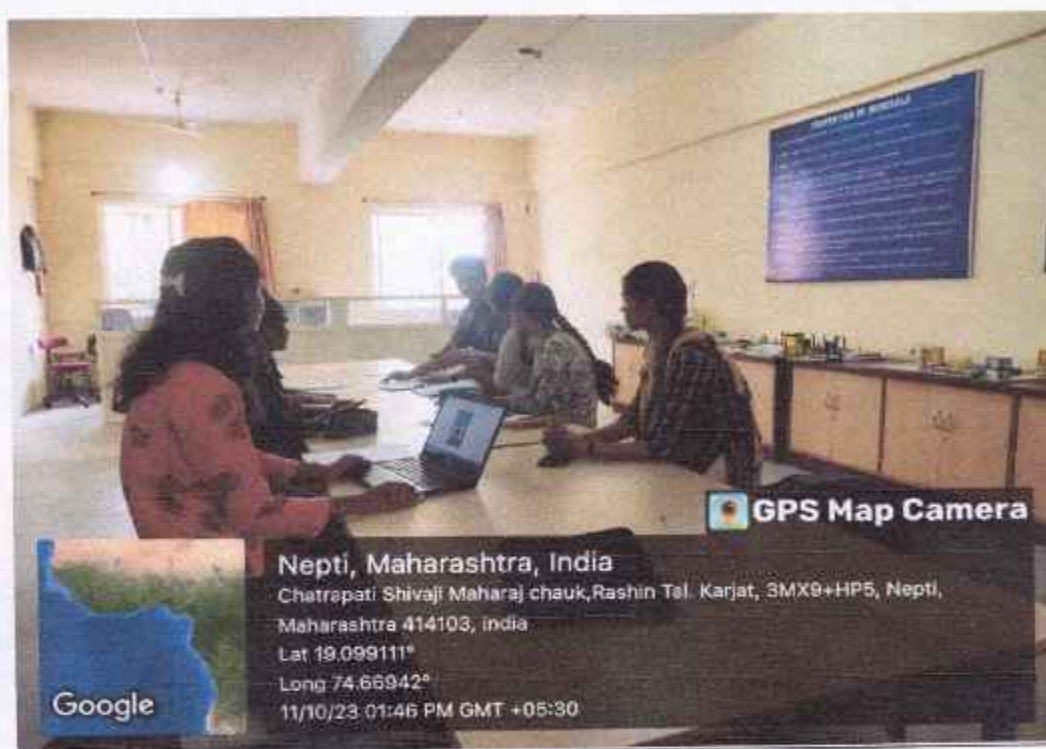
An expert lecture on Preparation for competitive examination was organized by Civil engineering department for final year students who are interested to prepare for various competitive examination. The lecture was delivered by our alumni Mr. Abhijeet Sharad Gore. He is preparing for competitive examination at Vajiram and Ravi at New Delhi.

Through this lecture students gained invaluable insights into the journey of aspiring to become a civil servant. Their experiences and advice shed light on the rigors and aspirations that come with this pursuit. One aspect that stood out was the selection of the optional subject, in this case, Political Science and International Relations (PSIR). The expert highlighted the importance of choosing a subject that aligns with one's interests and strengths. They emphasized that a deep understanding of the subject matter and consistent practice are essential for success in the optional paper. Additionally, he shared their experiences of living in Old Rajendra Nagar, a hub for civil services aspirants in Delhi. This locality is renowned for its coaching centres, libraries, and a vibrant atmosphere that fosters a competitive yet supportive community of students. They mentioned the convenience of having access to a wealth of study materials, guidance, and





*Felicitation of Mr. Abhijeet Gore by Principal Dr. Y. R. Kharde Sir*



*Resource Person Mr. Abhijeet Gore Interacting with participants*





## 2. Participative Learning

# Proposed A Constructing Wetland on River for Treating Waste Water

GAWADE RUTUJA<sup>1</sup>, JADHAV SHITAL<sup>2</sup>, HUAJIF INAMADAR<sup>3</sup>, SHAIKH MOIN<sup>4</sup>, PROF. M. P. AATHRE<sup>5</sup>

<sup>1, 2, 3, 4, 5</sup> B.E Civil, Shri Chatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar, Maharashtra

**Abstract—** Constructed wetlands have emerged as innovative solutions for wastewater treatment and stormwater management, offering numerous environmental, social, and economic benefits. This research paper provides a comprehensive review of constructed wetlands, focusing on their design principles, water treatment efficiency, environmental impacts, and applications in various engineering projects. Drawing on a synthesis of existing literature and case studies, this paper offers valuable insights for final-year engineering students seeking to explore the potential of constructed wetlands in their research and professional endeavors. By examining the latest advancements, challenges, and opportunities in constructed wetland technology, this paper aims to inspire future engineers to embrace nature-based solutions for sustainable water management.

**Index Terms—** Constructed wetlands, Wastewater treatment, Stormwater management, Environmental engineering, Sustainable development

## I. INTRODUCTION

Water scarcity, pollution, and deteriorating water quality are pressing challenges facing societies worldwide. Rapid urbanization, industrialization, and agricultural intensification have placed immense pressure on freshwater resources, leading to the degradation of aquatic ecosystems and jeopardizing human health and well-being. In this context, the need for innovative and sustainable approaches to water management has never been more urgent. Constructed wetlands have emerged as nature-based solutions that offer promising avenues for addressing these complex water challenges. Inspired by natural wetland ecosystems, constructed wetlands mimic the hydrological and biological processes that occur in natural wetlands, leveraging the power of plants, soil, and microorganisms to treat wastewater, manage stormwater, and enhance water quality. This research

paper provides a comprehensive review of constructed wetlands, aiming to elucidate their design principles, water treatment efficiency, environmental impacts, and applications in engineering projects.

### Objectives :

1. Wastewater Treatment: Effectively remove contaminants and pollutants from wastewater.
2. Environmental Protection: Protect and restore natural habitats and ecosystems.
3. Biodiversity Conservation: Provide habitat for diverse plant and animal species.
4. Water Quality Improvement: Improve the quality of water bodies by removing pollutants.
5. Flood Control: Mitigate flooding by absorbing and retaining excess water.
6. Groundwater Recharge: Replenish groundwater resources by infiltrating treated water.
7. Resource Conservation: Conserve water, energy, and land resources.
8. Climate Change Mitigation: Sequester carbon and reduce greenhouse gas emissions.
9. Community Health Enhancement: Improve public health by providing clean water and recreational spaces.
10. Regulatory Compliance: Meet legal and regulatory requirements for wastewater treatment and environmental protection.

### • Design Considerations

1. Site selection and characterization
2. Hydraulic design parameters
3. Vegetation selection and management
4. Construction materials and techniques
5. Monitoring and maintenance requirements.

## II. METHODOLOGY

### 1. Wetland Planning

The first stage "Wetland Planning" operates at the catchment scale. The basic goals during the planning stage are: (I) to define aims for wetland policy like maintaining biodiversity, conservation of natural dynamic processes, water quality improvement, and storm water retention and (II) to identify the most suitable wetlands in a catchment to achieve these goals. Wetland planning requires an indepth knowledge of water flows and nutrient loads entering the wetlands. Several models can be applied to obtain this essential information using best available spatial data and a Geographical Information System.

### 2. Wetland Design

The next stage is wetland design. Based on wetland policy aims and the site selection carried out in the planning stage, this stage operates at the wetland scale including the near wetland surrounding. The aim during this stage is to sharpen the planning of the wetland management plan, therefore additional hydrological and other data (vegetation, elevation, etc) are collected and evaluated. During this stage models can be applied for example to optimise hydrological flow patterns with the aim to increase retention time or to calculate the width of hydraulic buffer zones to ensure selfregulation processes. The result of the wetland design stage is a wetland management plan including construction works in the wetland and in the wetland surrounding.

### 3. Wetland Management

The third stage is wetland management where a wetland has been implemented in a catchment. The aim during wetland management is to maintain and ensure the pre-defined goals for the given wetland. To achieve these aims, it is necessary to install a monitoring programme adopted to the wetland specific goals identified in stage one (DAVIDSSON et al. 2000). During this stage, very specific models can be applied to analyse the development in the wetland and to assist in a cost efficient wetland management. The data and results obtained during the management phase will flow via feedback processes back in the data base and can be used to modify the previous stages.

These are used to store paddy, maize, sorghum, wheat etc. Their capacity varies between 9 to 35 tonnes. The storage structure is box like made of wood and raised on pillars. Both the floor and walls are made of wooden planks whereas the thatched or tiled roof is placed over it to protect the grains from the sun or rain. The improved Kothar structure is generally made of 5 cm thick wooden planks and beams. The walls and floor are made in such a way that no gap exists between the planks. The gabled roof on the top may be made of planks or corrugated metal sheets and should be sufficiently overhang on all sides.

#### • Planning at the catchment scale

Environmental planning for wetland management and conservation at the catchment scale has first to define the environmental management goals and secondly to identify the most sensitive wetlands for achieving these management goals. International laws and convention form the boundary conditions for the regional formulation of wetland policy. According to the Dobris Assessment (EEA 1995) most European countries are committed to extending the protection of wetlands, while still only a small fraction of the continent's wetland sites are directly protected (EEA 1999). Natural and seminatural wetlands with an undisturbed hydrology are most threatened by water management activities and nutrient input. Management goals for these wetlands are the protection against further nutrient input and drainage to maintain their biodiversity.

Degraded wetlands have lost their biodiversity value and their regulation value due to intensive land use for forestry and agriculture. Management goals for the restoration of degraded wetlands can focus on single functions e.g. restoration for biodiversity or water quality improvement or they can aim, according to the wise wetland use concept (RAMSAR 1987), to restore wetlands as multifunctional landscape elements (e.g. MALTBY et al. 1994).

#### • Catchment analysis

The construction of wetlands or the conservation of existing wetlands aimed at the reduction of nutrient concentration in river water is most needed at locations where nutrient delivery from the upstream catchment is largest. The necessary size of the wetland further depends on the (variability) of the water



discharge at the site of the wetland. Therefore discharge dynamics must also be quantified. At the scale of a large river catchment (e.g. Po, Rhine, Elbe, etc) only mean values of average discharge by channel flow, overland flow and baseflow (groundwater) are needed. In a second step in site selection, i.e. on regional to local scales (e.g. river Dommel, river Pot-tributaries), the dynamics of these discharge flows also need to be quantified.

There are numerous existing models that describe the major processes involved in the transport of water and nutrients. The choice of the most appropriate model to describe water and/or nutrient fluxes at a catchment scale depends on the spatial and temporal extent of the wanted analysis and the availability of data.

- Environmental Sustainability
  1. Ecological benefits of constructed wetlands
  2. Habitat creation and biodiversity conservation
  3. Energy and resource efficiency Carbon sequestration potential

Constructed wetlands offer a multitude of environmental sustainability benefits, rooted in their ability to mimic natural wetland ecosystems while providing effective wastewater treatment. Firstly, constructed wetlands provide significant ecological benefits by serving as valuable habitats for diverse plant and animal species. Through the establishment of diverse vegetation communities, wetlands create rich ecosystems that support a wide range of wildlife, including birds, amphibians, and insects. Moreover, the wetland environment offers breeding grounds, foraging areas, and shelter for various species, contributing to biodiversity conservation efforts and enhancing overall ecosystem resilience. Beyond habitat creation, constructed wetlands demonstrate remarkable energy and resource efficiency compared to conventional treatment methods.

#### Biological interactions in wetlands

##### Vegetation succession

Vegetation succession in wetlands is generally managed (1) to optimise plant productivity or retention and accumulation of ecosystems, (2) to prevent or control vegetation changes after changes in site conditions, (3) to restore former vegetation after wetland degradation or (4) to establish and stabilise

vegetation in artificial (re)created wetlands. The aspects of vegetation succession under consideration may differ substantially with the spatiotemporal scale. The role of vegetation structure, plant functional types and plant productivity is often studied on long-term and global to regional scales. Management on short-term and local scales deals with the succession of plant communities, and plant populations with respect to properties like species growth, competition and dispersal, relation of plant species and communities with site conditions or the role in nutrient, water and carbon balance (PENNING DE FRIES 1983).

Succession modelling may be a useful tool at all steps of wetland management: (1) for a status quo-analysis or a functional analysis of the ecosystem, (2) during the process of finding management objectives, (3) to optimise concepts of vegetation monitoring and (4) for planning and evaluation of management activities. To analyse structures and simulate the development of vegetation in space and time, the partial or complete integration of succession models in geographical information systems (GIS) is opening up a lot of opportunities (RICHTER et al. 1997; DUTTMANN 1999). GIS-modelling is therefore a fast growing branch in vegetation science with a special emphasis on the prediction of vegetation changes. This chapter will give some brief examples on spatiotemporal model approaches with respect to the development of species composition and plant community change on local to regional scales.

#### Limitations

Constructed wetlands, while offering an environmentally friendly and sustainable solution for wastewater treatment, are not without limitations. One significant constraint is their considerable land requirement, rendering them impractical for densely populated urban areas where space is at a premium. Additionally, constructed wetlands are sensitive to climate variations, with temperature, precipitation, and seasonal changes affecting their performance and plant growth. Moreover, their long-term maintenance demands, encompassing tasks such as vegetation management and infrastructure upkeep, can be labor-intensive and financially burdensome. Despite their effectiveness for small to moderate wastewater volumes, constructed wetlands may struggle to handle large or highly concentrated flows. Furthermore, they

often necessitate a slow start-up period to establish optimal treatment efficiency, during which pollutant removal rates may be lower. Moreover, the variability in performance due to influent characteristics, hydraulic conditions, and vegetation health can lead to inconsistent treatment outcomes.

### CONCLUSION

In conclusion, constructed wetlands represent a sustainable and multifaceted solution to various environmental challenges. Through their ability to treat water, manage stormwater, create habitats, and provide numerous other benefits, constructed wetlands play a crucial role in promoting environmental conservation and sustainable development.

By harnessing natural processes and ecosystems, constructed wetlands offer cost-effective and ecologically sound alternatives to conventional wastewater treatment systems and stormwater management practices. They provide valuable habitat for diverse plant and animal species, enhance biodiversity, and contribute to the overall health of ecosystems.

Moreover, constructed wetlands offer recreational and educational opportunities for local communities, while also serving as aesthetically pleasing features in landscapes and urban areas. Their role in carbon sequestration further underscores their importance in mitigating climate change impacts.

As we look to the future, it is imperative to recognize the significance of constructed wetlands in addressing water-related challenges, conserving natural resources, and fostering sustainable development. Continued investment, research, and implementation of constructed wetland projects worldwide are essential to maximizing their potential and securing a more resilient and environmentally friendly future for generations to come.

### REFERENCES

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## UTILIZING CERAMIC DUST POWDER TO PARTIALLY SUBSTITUTE CEMENT: ENHANCING SUSTAINABILITY IN CONSTRUCTION

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### ABSTRACT

This study explores the viability of utilizing ceramic waste powder and shattered tiles as partial replacements for Ordinary Portland Cement (OPC) in M25 grade concrete, with replacement percentages ranging from 0%, 2.5%, 5%, 7.5%, 10%, and 13%. By focusing on compressive strength testing at intervals of 7, 21, and 28 days, we evaluate the mechanical properties of the concrete mixtures. The investigation aims to assess the feasibility of reducing reliance on traditional cement while minimizing waste accumulation and associated environmental hazards. Results indicate the potential benefits of incorporating ceramic waste materials in concrete production, offering avenues for sustainable development in the construction industry.

**Keywords:** Ceramic Waste Powder, Shattered Tiles, Partial Cement Replacement, Sustainable Construction, Environmental Impact.

### I. INTRODUCTION

The rampant escalation of non-biodegradable waste stands out as a predominant contributor to contemporary pollution concerns. Mitigating pollution hinges on the imperative to curtail or repurpose these enduring materials. Among them, ceramic waste and fragmented tiles exemplify the enduring nature of non-biodegradable substances. As a proactive measure to diminish the volume of ceramic waste and broken tiles, we propose their integration into concrete production, thereby offering a novel perspective on waste management and resource utilization.

### II. LITERATURE REVIEW

1. In Nepomuceno et al. [9] 2018 found an increase in compressive strength with curing age when using bricks as coarse aggregates of concrete. A decreasing trend in the compressive strength with brick content was observed. The same conclusion was reached by utilizing fine ceramic brick aggregates in concrete [13]. Nevertheless, the results that had been obtained using ceramic tiles as partial coarse aggregates in concrete were different.
2. Dr.M.Swaroop in a 2016 study, ceramic waste's impact on concrete was investigated by replacing a portion of cement with it. Results showed a 10% cement replacement with ceramic waste increased concrete compressive strength. However, beyond 10%, compressive strength declined, indicating diminishing returns. This highlights the need to judiciously select ceramic waste percentages for cement replacement to balance strength and sustainability in concrete formulations. [1]
3. In El-Deib's 2016 study on sustainable concrete with ceramic waste, the focus was on investigating the replacement of cement with ceramic waste in M25 concrete mixtures. Results indicated that a 10% replacement of cement with ceramic waste demonstrated the highest improvement in strength. However, when the replacement percentage increased from 20% to 40%, lower strength gains were observed. These findings emphasize the importance of optimizing the percentage of ceramic waste used for cement replacement in M25 concrete formulations to achieve both strength enhancement and sustainability objectives. [6]
4. In Ulewicz et al. 2016 [12] drew opposite conclusions, and water absorption decreased with ceramic waste content. Furthermore, the effect of carpet fibers on the durability of ceramic aggregate concrete was studied.

The addition of carpet fibers to concrete with coarse ceramic aggregates could further improve water absorption by increasing the number of pores for the balling effect of the fibers [13].

### III. MATERIAL

1. **Cement:** Cement acts as a vital binding agent, essential for the stability of buildings, bridges, and roads by uniting construction materials. Through chemical reactions, it enhances the strength and durability of concrete structures, adaptable to various construction needs. Additionally, cement contributes to sustainable construction practices and economic growth through infrastructure development. OPC 43 grade Ambuja Cement is carefully selected for its optimal performance, providing the necessary strength and cohesion to bond various construction materials together effectively.



Figure 1: Cement

Table 1. Properties of Cement.

Properties	Values
Specific Gravity	3.16
Consistency	33.2%
Initial Setting Time	30 min
Final Setting Time	24 min
7 Days Compressive Strength	18.11 N/mm <sup>2</sup>
Soundness	2 mm
Fineness	3.3 %

2. **Fine Aggregate:** Fine aggregates in concrete are small particles that are smaller than 4.75 mm but larger than 0.075 mm. The fine aggregate specific gravity is 2.84, falling within in zone II classification.



Figure 2: Fine Aggregate.

3. **Coarse Aggregate:** Coarse aggregates are big pieces of rocks or stones that are used in making concrete. They are obtained by breaking down rocks in quarries or using crusher machines. These aggregates are larger than 4.75mm in size, but smaller than 3 inches. Using larger coarse aggregates, like 20 mm in size, is more cost-effective because they take up less space compared to smaller pieces. The fine aggregate specific gravity is 2.92, falling within in zone III classification.





Figure 3: coarse aggregate.

4. **Shattered tiles:** We collected broken tiles from both a ceramic manufacturing plant's waste and a demolished building. These broken tiles were then sorted into different sizes to use them as a substitute for some of the natural coarse aggregate in concrete. We made sure the broken tile pieces were smaller than 16.5mm. Finally, we replaced a portion of the coarse aggregate in our concrete mix with broken tiles, trying different percentages from 10% to 30%.



Figure 4: Shattered Tiles

5. **Fragmented solid waste:** Using fragmented solid waste instead of coarse aggregate benefits the construction industry by reducing costs and pollution. By incorporating materials like tile aggregate and ceramic powder into regular concrete, manufacturing expenses are significantly decreased, leading to lower pollution during construction and better utilization of building waste. Globally, over 2 to 3 billion tons of trash, including ceramic waste and broken tiles, are produced annually, with concrete contributing about 30-40%.



Figure 5: Fragmented Solid Waste.

#### IV. METHODOLOGY

##### A. Compressive Strength Test:

The strength of the hardened concrete gives the measure of the concrete's ability to resist compressive loads. The strength of concrete below which not more than 5% of the test results are expected to fall. As per IS - 456: 2000, it can be found by testing standard-sized concrete cubes (15 x 15 x 15) cm under a compression testing machine after 7 and 28 days taking an average of three samples. Concrete is graded based on its characteristic compressive strength of a 150 mm size cube at 28 days expressed in  $N/mm^2$ .

$$F = P/A$$

Where,

F is the compressive strength of the specimen in Mega Pascal,

P is the maximum applied load by Newton,

A is the cross-sectional area estimated in mm<sup>2</sup>.



Figure 6: Compressive Strength Test

#### B. Split Tensile strength test:

The split tensile strength of hardened concrete measures its ability to resist tensile loads. As per IS - 456: 2000, this strength is determined by testing standard-sized cylindrical concrete specimens (150 mm diameter x 300 mm height) under a split tensile testing machine after specific curing periods, typically 7 and 28 days, and taking an average of three samples. The characteristic split tensile strength of concrete at 28 days is expressed in Mega Pascals (MPa).

$$F_{spt} \text{ MPa} = 2 P / \pi D L$$

Where,

P is applied force (N),

D is the diameter of a specimen (mm), L

is the length of specimen (mm).



Figure 7: Split Tensile Strength Test.



## V. RESULT

### 1. Compressive Strength Test:

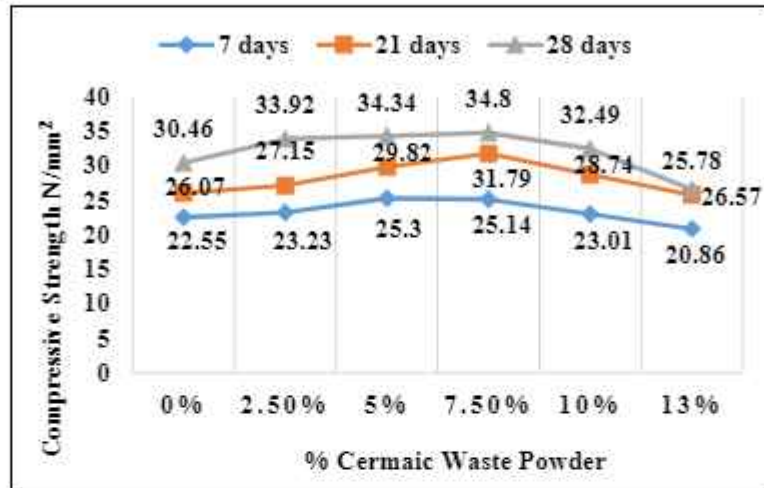


Figure 8: Compressive Strength Results.

### 2. Split Tensile strength test:

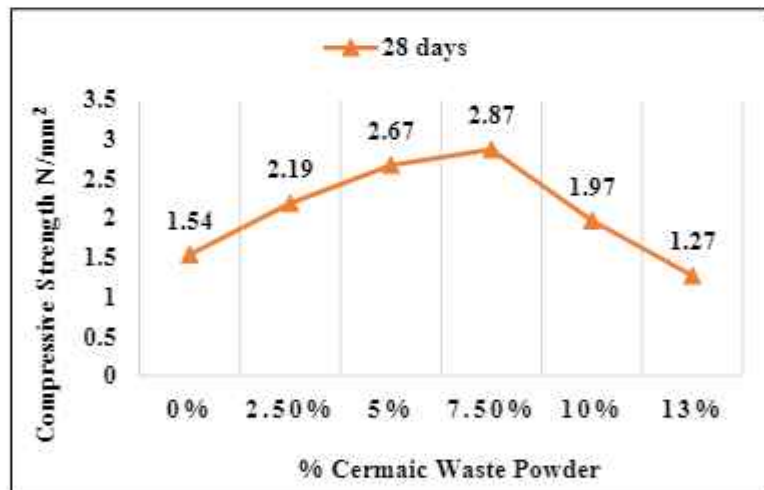


Figure 9: Split Tensile Strength Results.

## VI. CONCLUSION

Use of Ceramic Waste Powder in concrete improved its workability retention. Replacement more than 10% shows the decrease in strength. The compressive strength of the material increases with the percentage of Ceramic Waste Powder up to 7.5% for all time periods (7, 21, and 28 days), after which it starts to decrease. The peak compressive strength is observed at 7.5% Ceramic Waste Powder for each testing period, indicating an optimal mix ratio before strength diminishes with higher CWP percentages. The split tensile strength of the material peaks at 7.5% Ceramic Waste Powder, increasing up to this point and then decreasing, highlighting 7.5% Ceramic Waste Powder as the optimal proportion for the highest split tensile strength.

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# Smart Trolley and Billing System

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**ABSTRACT:** The goal of this project is to improve and enhance the present supermarket cart-based sell and purchase procedure such that it is faster and more effective for both the seller and the customer. Customers now have to wait in lengthy lines at the payment counter during peak hours at their neighbourhood grocery store, standing and waiting for extended periods of time. Customers have found this to be quite problematic, particularly the elderly, people with health concerns, people in a haste, and people who are carrying little children. An RFID scanning system device was mounted to a grocery cart in order to address this issue. This solution is entirely made to speed up the purchasing and checkout processes for customers, saving them time at the payment counter. This study includes a feasibility study, which aims to be an initial assessment of the data to see whether it merits moving further to the analysis stage. Furthermore, Laragon, Node.js, and the Arduino IDE were used to design the system programming. Next, Autodesk Inventor Professional 2019 software was used to create the gadget housing. Regarding its system, it is divided into two sections: one for customers and the other for retailers. The experiment's findings demonstrated how RFID grocery carts shorten customers' shopping and payment processes.

**KEYWORDS:** Customer, Development, NodeJs, Recommendation, RFID.

## I. INTRODUCTION

A grocery trolley, also known as a shopping cart, is a wheeled vehicle provided by a store, particularly a supermarket, for customers to use inside the establishment to move goods as they shop and make their way to the checkout counter or cashiers. Depending on the area, the term "wagon," "buggies," or "chariot" may also be used to describe this type of vehicle. They are widely utilized in practically all department stores, superstores that sell bulk goods, and grocery stores. The use of shopping carts is becoming increasingly important since they relieve customers of the stress of carrying large loads of items while navigating the store and enable them to make several, larger-sized, and heavier purchases at once. RFID grocery carts can be utilized in any type of store or supermarket, but they work best in crowded supermarkets at peak hours, on weekends, and during the holiday season when there are a lot of people shopping. It is compatible because RFID grocery carts, which use radio frequency identification (RFID) technology, can cut down on the amount of time customers spend making purchases (especially when paying and checking out), eliminate lengthy lines at checkout counters, and improve the overall shopping experience.

RFID grocery carts are made with the same precise design to function as the modern, traditional shopping carts—that is, to be as strong, practical, and adaptable. To improve the control and mobility of the grocery cart, only minor adjustments are made. Furthermore, as society moves into the Industrial Revolution 4.0 (IR4.0) age, a shopping cart equipped with an RFID technology and system satisfies the requirements for an IR 4.0 component, as it consists of two of the four primary components of IR4.0: cloud computing and the Internet of Things (IoT).

## II. RELATED WORK

The literature survey phase is crucial to the system development life cycle because it gathers and gathers the data needed to manage or build a project during this stage. A description of the literature that is pertinent to a given field or topic is called a literature review. It provides a summary of the main points made, the identities of the important authors, the theories and hypotheses that are now in circulation, and the methods and approaches that are

acceptable and beneficial. Research is done in this portion before beginning the project and comprehending the many approaches that have been employed in the past. A thorough examination of the current systems was carried out. The advantages and disadvantages of the current systems were identified with the aid of this investigation.

Given that the project is an application of RFID technology, a review of the literature has been conducted on a few articles pertaining to various components and procedures or techniques. Data has been gathered from these papers in accordance with the project requirements.

People visit supermarkets to make payments and buy the goods they need on a regular basis. Therefore, the total products and total amount must be calculated. Here, self-service is used using RFID tags to cut down on labor costs and wait times. Utilizing Zigbee technology lowers low power consumption, low cost, and low data rate [1].

The goal of this study is to design a system that uses RFID reader antennas to scan both static and dynamic objects in a retail environment. Aisle-level scanning is used in place of performing RFID observations at the level of individual carts [2].

Instead of a barcode scanner, every product in this paper had an RFID tag. An LCD monitor, a Zigbee transmitter, and an RFID reader will be included in the smart trolley. When a goods is placed in the trolley, a scanner scans it and displays the product's pricing on the LCD. Radio frequency identification, or RFID, recognizes and tracks tags affixed to items automatically [3].

**Problem Statement:** Create a solution that will be economical and shorten the supermarket's billing process. A novel product that improves everyday comfort, ease, and efficiency is one that the public finds acceptable. In large cities, shopping and making purchases at malls has become a daily routine. Individuals buy various goods and load them into the cart. Once purchases are made, payments must be made at the billing counter. There is a lengthy line at the billing counter because the cashier prepares the bill using a bar code reader, which takes a lot of time. Time spent standing and waiting for individual turns can be better spent doing something useful. Finding the goods they need is another issue that the majority of people have. The majority of people are also having trouble learning about the current promotions that are offered for a given product. Shop owners are also quite concerned about potential theft or product take-out, which would result in additional losses.

### III. METHODOLOGY

This chapter will provide a more thorough explanation of the steps involved in creating an RFID system for a grocery cart. Software from Laragon, Node.js, and the Arduino IDE were used to design the system's programming. Next, Autodesk Inventor Professional 2019 software was used to design the system enclosure. The project's component and all necessary materials will also be briefly outlined.

#### A) Assumptions and Dependences

The objectives of the grocery cart RFID system are:

- i. Will address long lines at the counter,
- ii. To ensure ease of use and safety,
- iii. The consumer's convenience,
- iv. To include RFID technology into the purchasing process.

#### B) User Interface

Application Based Smart shopping cart system.



**C) Hardware Interfaces:**

A thorough analysis of each component and material utilized is necessary to guarantee the production of high-quality products. This is to prevent other types of product errors that could result in new problems and to help design the best solution to the primary issue. The goal of the study in this section is to learn more about the fundamental part of the apparatus that will enable the RFID System Device to function as intended. The following are the parts of the RFID System Device for Grocery Cart:

- i. RFID RC522 Module for Arduino
- ii. Node MCU Microcontroller
- iii. Breadboard 800 Holes
- iv. Dupont Jumper Wires M/M
- v. RFID Passive Tags
- vi. Rechargeable Battery

**D) Software Interfaces**

- 1) Arduino IDE Software,
- 2) Laragon Software and
- 3) NodeJs Software

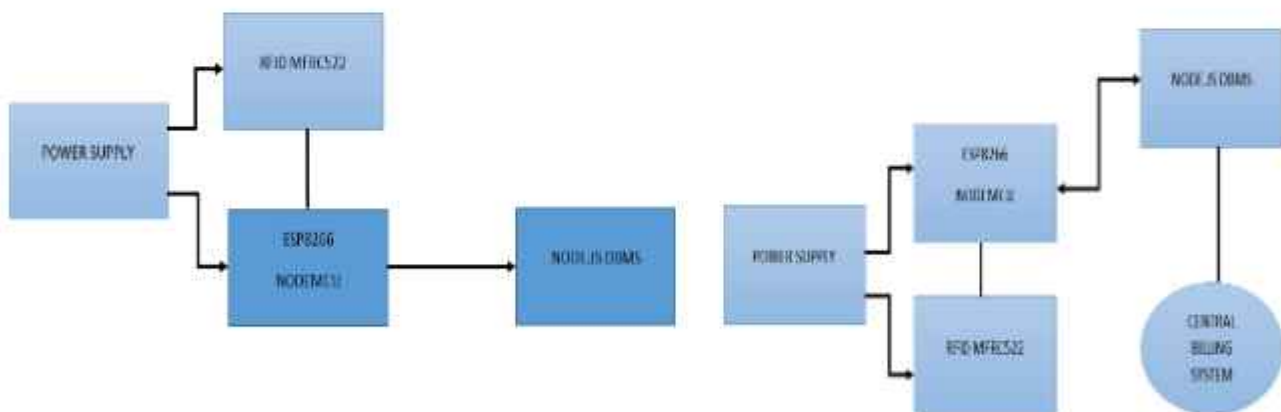
**E) System Architecture**

Fig 1 System Architecture: (a) Customer Section (b) Retailer Section

### Operational Procedure of RFID System Device for Grocery Cart

**Customer Section;**

1. Customer enter premises with RFID tags (can also be provide by store retailer).
2. Whilst taking grocery cart before begin with shopping activity, customer scan their RFID tag through RFID scanner that is attached to the grocery cart.

3. RFID Reader scan information embedded in the tags and send this information to NodeMcu Microcontroller.
4. NodeMcu Microcontroller translate the information and send this information to Node.js Database Management System Software.
5. This set up an item purchased database site which is set up exclusively for that particular customer only.
6. While moving around premises during shopping activity, customer can scan the item they wish to purchase (that have been attached with RFID adhesive tags) through the same RFID reader attached at the grocery cart.
7. Data of customers purchased item will be collected in the items purchased database and is organize and also sum up with a total price.
8. As customer are done with their shopping activity, customer can head to the cashier counter directly.

#### **Retailer Section;**

1. Customer reaches cashier counter and hand-over their RFID tags to the cashier.
2. Cashier will scan the RFID tags through a RFID reader located at the cashier counter.
3. This will command the supermarket central billing system to receive input of database from the customer's Item purchased Database.
4. Sum up of collective data with a total price that the customer need to pay will pop out at the counter screen.
5. Customer pay total amount of purchased item through cash or online services.

#### **IV. EXPECTED RESULT**

The main basic working operation of this system consist of three main part which is a purchase database management system software, a microcontroller and a RFID Reader Module, interfacing with each other.

A microcontroller is a computer present in a single integrated circuit which is dedicated to perform one task and execute one specific application. It contains memory, programmable input/output peripherals as well a processor. They run one specific program and are dedicated to a single task. They are low power devices with dedicated input devices and small LED or LCD display outputs. Microcontrollers can take inputs from the device they controlling and retain control by sending the device signals to different parts of the device. A good example is a TV's microcontroller. It takes input from a remote control and delivers its output on the TV screen.

Next, a RFID reader is Radio Frequency module and an antenna which generates high frequency electromagnetic field. It read code which is embedded in a passive generates an electromagnetic field which causes electrons to move through the tag's antenna and subsequently power the chip. The powered chip inside the tag then responds by sending its stored information back to the reader in the form of another radio signal. This is called backscatter. The backscatter, or change in the electromagnetic/RF wave, is detected and interpreted by the reader which then sends the data out to a computer or microcontroller. In this project, the module that will be used is RFID RC522 Module.

Finally, a database management system software. A database is an organized collection of data, generally stored and accessed electronically from a computer system. This collection data will be managed by a management system software that interacts with end users, applications, and the database itself to capture and analyse the data. The DBMS software additionally encompasses the core facilities provided to administer the database. The sum total of the database, the DBMS and the associated applications can be referred to as a "database system". Often the term "database" is also



used to loosely refer to any of the DBMS, the database system or an application associated with the database. In this project, the database management system that will be used are NodeJS Software as it is an open-source, cross-platform, JavaScript runtime environment that executes JavaScript code outside of a browser and is easier to use.

To make things short, to make the whole system work it require all three components to interface with each other by;

1. RFID reader read information embedded in passive RFID tags then send signal of information to NodeMCU Microcontroller.
2. NodeMCU Microcontroller receive input of information, translate this information and send them to Database Management System Software.
3. NodeJs Database Management System collect these inputs and organize these data and sum up the total of these database wirelessly.

#### A) Advantages

- 1) Real Time solution
- 2) Saves Time
- 3) Reduces manual efforts

#### B) Disadvantages

- 1) Initial setup cost is high
- 2) Require software update regularly

#### C) Application

- 1) In mall
- 2) At airport

### V. CONCLUSION

In conclusion, the main idea behind this project is to help the society by cutting short the time spent on queuing when making grocery shopping. The usual grocery cart at other related supermarkets/ hypermarkets is mainly used to store goods in the cart after shopping. By having RFID technology applied on the grocery cart, it can help both the customer and cashier when making payment, thus making the checkout process faster.

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## ADVANCEMENT IN THE PHYTOREMEDIATION TREATMENT SYSTEM

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### I ABSTRACT

A Soil and water are mainly polluted by effluent discharges from industries, which are broadly classified into metallic and nonmetallic pollutant-bearing effluents. In order to tackle this problem, a plant-based technology called phytoremediation is used to clean contaminated lands. Phytoremediation is based upon several processes such as phytodegradation, phytovolatilization, phytoaccumulation and phytoextraction. These methods are efficient, eco-friendly and economic. This paper reviews the methods and mechanisms involved in phytoremediation of heavy metals, and enhancement processes. The potential of sugarcane for remediation of soil contaminated with As, Pb, Cd, Cu, and Zn total and available heavy metal concentrations in the contaminated soils were analyzed before and after the phytoremediation application with the help of sugarcane plants. The heavy metal concentration with phytoremediation was reduced compared with the sugarcane treatments. Elements showed low mobility, which was related to their total concentration in soil and water.

**Keywords:** heavy metal, contaminated soil, investigation, sugarcane, phytoremediation.

### II INTRODUCTION

Heavy metal-contaminated soil has emerged as a significant environmental problem globally. Irrespective of their sources in the soil, accumulated heavy metal can degrade soil quality and reduce crop yield and quality of agricultural products, and thus negatively impact the health of humans, animals, and the ecosystem. Heavy metal accumulation in surface soils, which is considered as a chemical time bomb, may pose a potential threat to the environment and human health as per the literatures referred. For example, it can affect the respiratory tract, skin, liver, cardiovascular, and nervous systems. In addition, it can cause cancer risks for skin and various viscera, including the lung, bladder, kidney, and liver. Moreover, Cr, Cd, Cu, Pb, and Zn have been considered to be related to various types of cancer. In contaminated farmlands, heavy metals accumulate in the edible parts of crops to levels that exceed food safety standards. These metals can enter the food chain through food production and threaten the health of animals and humans. Thus, the remediation of contaminated farmland soil is dramatically important to ensure food safety and public health. Remediation of soils contaminated with heavy metal is mainly based either on the extraction or the stabilization of the contaminants. In this study, the effectiveness of a sugarcane with low heavy-metal accumulation to remediate a soil that is moderately contaminated with As, Cd, Cu, Pb, and Zn was assessed by the variance of heavy metal concentration. The total concentration and available forms of the trace metals in the contaminated sugarcane soil were determined. The effects of sugarcane on the trace element availability and total concentration were investigated. In addition, the relationship between the heavy metal concentration of soil and sugarcane was established through different assessment criteria.

### III METHODOLOGY

#### 1.1 Study area



Our local area was located in the Ahmednagar city along the Sina River. The soil pollution and water pollution in this area was due to the leakage and spills from industrial areas heavy metals like Pb, Zn, As, Cu, Cd. Other waste water sources like agricultural land, domestic area, public places also contributes large amount of waste contaminants to the river water.

## 1.2 Modelling and analysis

An experiment open set up there is, to monitor the growth of sugercane in the half cut water tank. In late November we plant sugarcane and applied Sina river waste water. In the tank we designed the rapid sand filter for the percolation of water the water should pass through the layers of gravel 20mm, gravel 10mm, sand and soil at the top. In the bottom of the water tank there is a small structure like pipes are placed to collect the upper layer of waste water which was now purified with the help of phytoremediation technique. Sugercane absorb the heavy metals as a nutrition. The experiment lasted until mid-January, and the water was changed several times. The measuring of the parameters of growth to determine biomass production was carried out at the beginning and the end of the experiment. The efficiency of indian shoot in the removal of heavy metals was tested in an experiment under laboratory conditions. In early March we conduct the chemical analysis of waste clean water.



**Figure1:** final model for phytoremediation treatment process using sugercane.

## IV CHEMICAL ANALYSIS TEST AND RESULTS

For the process of phytoremediation the waste water changed in a week 3 - 4 times. The sugercane plant absorbs the heavy metals as a nutrition which are present in the water. The chemical test conducted on the waste clean water, which are Dissolved Oxygen, pH, Biochemical Oxygen Demand, Chemical Oxygen Demand and the parameters like heavy metals Cu, Cd, Pb, As, Zn before and after phytoremediation treatment process.



● **Table 1 : Test Before Phytoremediation treatment process**

Sr. No.	Parameter	Result	Unit	Method
1	Dissolved Oxygen (DO)	4.3	mg/L	IS 3025 (Part 38) Method No :4 : 1989
2	Biological Oxygen Demand (3 days, 27°C)	46	mg/L	IS 3025 ( Part 44) :1993
3	Chemical Oxygen Demand	160	mg/L	APHA 24 <sup>th</sup> , Ed.. 5220, B544 ,B,544:2023.
4	Copper (as Cu)	BLQ(LOQ:0.02)	mg/L	IS 3025 (part 2 ) : 2019 /ISO 11885 : 2007
5	Lead (as Pb)	BLQ(LOQ:0.08)	mg/L	IS 3025 (part 2 ) : 2019 /ISO 11885 : 2007
6	Cadmium (as Cd )	BLQ(LOQ:0..02)	mg/L	IS 3025 (part 2 ) : 2019 /ISO 11885 : 2007
7	Zinc (as Zn)	BLQ(LOQ:0.05)	mg/L	IS 3025 (part 2 ) : 2019 /ISO 11885 : 2007
8	Arsenic ( as As)	BLQ(LOQ:0.05)	mg/L	IS 3025 (part 2 ) : 2019 /ISO 11885 : 2007

● **Table 2 : Test after Phytoremediation treatment process**

Sr.No	Parameter	Result	Unit	Method
1	Dissolved oxygen	4.9	mg/L	IS 3025 (Part 38) Method no :4: 1989
2	Biological Oxygen Demand ( 3 days, 27°C)	25	mg/L	IS 3025 ( Part 44) : 1993
3	Chemical Oxygen Demand	90	mg/L	APHA 24 <sup>th</sup> , 5220 ,B,544:2023.
4	Copper (as cu)	BLQ(LOQ:0.02)	mg/L	IS 3025 (part 2 ) : 2019 /ISO 11885 : 2007
5	Lead (as pb)	BLQ(LOQ:0.08)	mg/L	IS 3025 (part 2 ) : 2019 /ISO 11885 : 2007



6	Cadmium( as cd )	BLQ(LOQ:0.02)	mg/L	IS 3025 (part 2 ) : 2019 /ISO 11885 : 2007
7	Zinc (as zn)	BLQ(LOQ:0.05)	mg/L	IS 3025 (part 2 ) : 2019 /ISO 11885 : 2007
8	Arsenic ( as As)	BLQ(LOQ:0.05)	mg/L	IS 3025 (part 2 ) : 2019 /ISO 11885 : 2007

## V CONCLUSION

Trace heavy metal concentration in sugarcane soil was highly influenced by the origin of the contamination. The sugarcane soil pollution worsened because this area was affected by the leakage and spills from Pb and Zn tailing dams that washed down the farmlands on both sides of the lower river during a flood event. The extractability depends on the nature of the element, and hence diverse potential environmental risks were found. The low mobility of As was related to its total concentration in soil, whereas Cu and Zn exhibited the greatest potential for release and thus for transport to non-contaminated areas. The situation of Pb and Cd was intermediate. However, low concentrations of Cd in plants may have toxic effects for livestock; therefore, it may pose a greater hazard for the food chain. The heavy metal concentration in sugarcane juice could meet the lower limit standard. The sugarcane phytoremediation of a plant cover was effective in changing heavy metal concentration where amendments were applied and where roots grew.

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## STUDY AND OBSERVATION OF HARDNESS OF ALUMINIUM MATERIAL BY END QUENCHING

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### ABSTRACT

The Jominy end quench test is a common method employed to characterize the hardenability of materials. In this research, an attempt was made to simulate the Jominy test for aluminium material using a specific method. Throughout the study, the quenching process involved varying the temperature of recrystallization temperature where microstructure changes on which property of material depends. The objective was to investigate and compare the differences in hardness resulting from varying temperature of heating aluminium material in the quenching process.

During the quenching process, cooling curves were determined at different points, taking into account phase conversions and material properties during rapid cooling. Subsequently, the time-temperature-transformation curve of aluminium was employed to derive the function constants (CT) of the curve. Finally, the simulated results were analyzed, and the maximum and minimum hardness of the aluminium were determined.

**Keywords:** Aluminium, End Quench, Hardness Test, Cooling Curve, Hardenability

### I. INTRODUCTION

Heat treatment is an important process in industry to change property based on its microstructure by heating material above or below recrystallization temperature. Recrystallization temperature is the temperature where microstructure changes with changing temperature. As per requirement of industry and based on application need to increase hardness for that purpose of quenching process is used to increase hardness of material. Quenching is a process where a material is heated above a recrystallization temperature and the cooling rate is fast where we can use oil, water, etc. by quenching process cooling rate increases and hardness also increases. The material transfers from ferrite state to martensite state.

### II. EXPERIMENTAL PROCEDURE

Quenching process is used to enhance the hardenability of a metal. Aluminium alloys often use other methods to assess their heat treatment response. Firstly, prepare aluminium alloy specimens in the form of cylindrical bars. The diameter and length should adhere to standard dimensions for testing, typically around 10 mm in diameter and 30 cm in length. Ensure that the specimens are of uniform composition and free from defects.

Heat the specimens to the recrystallization temperature suitable for the specific aluminium alloy being tested. This temperature will vary depending on the alloy composition but typically falls within the range of 500°C to 550°C. Hold the specimens at this temperature for a sufficient duration to achieve complete structure changing temperature.

Heating process is completed, remove the specimens from the furnace and quickly mount them onto the test fixture. Position the specimens vertically with one end facing the water quenching jet.

Initiate the water quenching process by turning on the water jet. The water flow rate should be controlled to maintain a consistent and uniform cooling rate across the length of the specimen.

After quenching, remove the specimens from the fixture and allow them to cool to room temperature. Once cooled, perform hardness testing along the length of the specimens using a Rockwell or Brinell hardness tester.

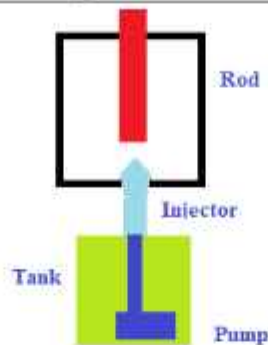


Figure 1: Experiment Set up

Plot the hardness values as a function of distance from the quenched end to create a hardenability curve. Analyze the curve to assess the hardenability characteristics of the aluminum alloy, including the depth to which the alloy can be effectively hardened by quenching.

Repeat the experiment for different aluminum alloys or heat treatment conditions to compare their hardenability characteristics. Adjust experimental parameters as necessary to optimize the testing procedure.

### III. RESULTS AND DISCUSSION

As shows the cooling curves of several points on end quench Jominy specimen. As it is shown, increasing of distance from quenched end results in shift of the curve to right and in conclusion causes to decrease hardness of the points. Maximum cooling rates are occurred at the quenched end of specimens and the values decrease with increasing of the distance from the end. On the other hand, the temperature at which the maximum cooling rates occur increases with increasing distance from the quenched end. The minimum cooling rate at the quenched end of Jominy specimen is at 500 degree Celsius.

Table 1. Comparison of Hardness at various tempreture and distance.

Distance from one end (mm)	450 °C in BHN	500 °C in BHN	550 °C in BHN
5	77	62	59
10	74	75	66
15	73	73	73
20	80	88	85
25	83	90	89

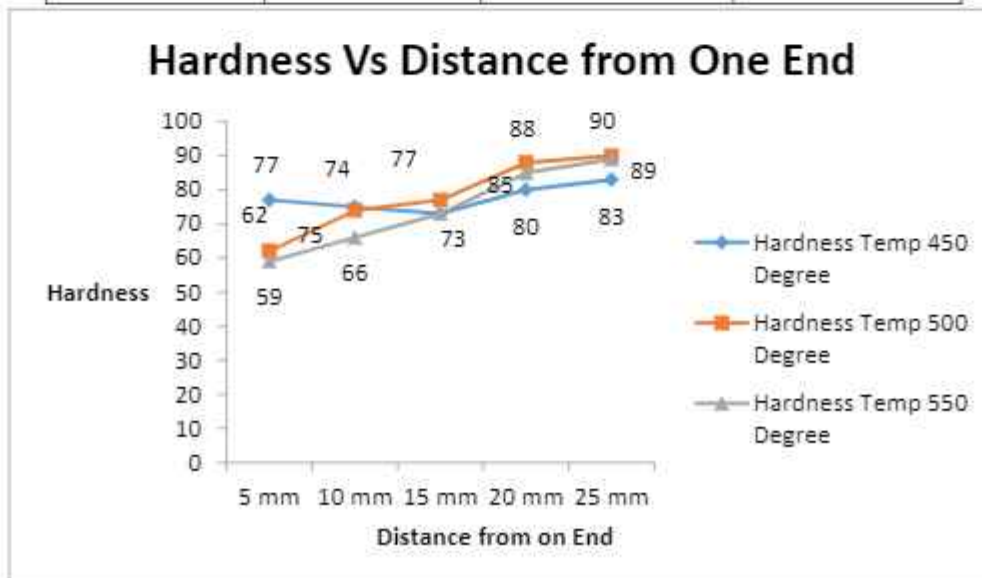


Figure 2: Hardness of Aluminium material in End Quenching process



#### IV. CONCLUSION

As per experimental work test is one the most commonly used for evaluating hardenability of aluminium material. By using brinell hardness test determined hardness of aluminium material rod which is fast quenching by water as per result of hardness test and graph of result concluded that with rapidly cooling hardness are increase with respect to distance at one end where cooling by water. When recrystalline temperature changing then it also effect on hardness value by experimental test when recrystalline temperature increasing with same quenching process hardness also increases with increasing recrystalline temperature where at 450 degree Celsius recrystalline temperature hardness is vary from 77 BHN to 83BHN, at 500 degree Celsius hardness is vary from 62 BHN to 90 BHN, at 550 degree Celsius hardness changing from 59 to 89 BHN from comparing testing result at high recrystalline temperature give good hardness.

#### ACKNOWLEDGEMENTS

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## ANALYSIS OF MICROPLASTIC POLLUTION IN THE RIVER WATER AND IN THE SEDIMENTS OF THE RIVER

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### ABSTRACT

This study has been undertaken to investigate the Microplastic content in a surface water source. Microplastics, which are tiny plastic particles less than 5mm in size, can be found in rivers, lakes, and oceans. They pose a threat to aquatic life as they can be ingested by animals and can accumulate in the food chain. Additionally, micro plastics in water as well as sediment in river can transport harmful chemicals and pollutants, impacting water quality, toxic chemicals, habitat alteration reduced, water quality ingestion through food and water, respiratory exposure, chemical exposure. Efforts to reduce microplastic pollution and its consequences are crucial to protect surface water and aquatic ecosystems. We are using Grab Sampling in which collecting water samples at various locations using bottles or containers. These samples were filtered to capture microplastic. We have analyzed the collected samples with the objectives to determine the concentration and distribution of microplastics in water and sediment and to study the effects of microplastics on sediment and water ecosystems. Both the samples from water and sediment are studied and microplastic samples are analyzed by FTIR (Fourier-Transform infrared) method and found presence of microplastics in surface river water source.

**Keywords:** Microplastic, River Pollution.

### I. INTRODUCTION

The concentration of microplastics the concentration of microplastics (MPs) in water ecosystems increases as plastic production gradually increases every fiscal year. From referred literature, almost 71% of plastic waste is directly absorbed by the environment, and the remaining waste is reused in a different format, resulting in higher microplastic pollution. In 2016, approximately 335 million metric tons of plastic products were manufactured, whereas, in 2017, this amount increased up to 348 million metric tons. Thus, global plastic production increased by approximately 4% within only 1-year tons. There are more than 5.25 trillion macro and micro pieces of plastic in the oceans up to end of 2023. The first studies regarding microplastic contamination in oceans appeared in the 1970s and since then, Microplastics are defined directly in the literature, either as plastic particles smaller than 5 mm, or smaller than 1 mm.

### II. METHODOLOGY

#### 2.1 Site Selection:

For our research work we have selected the Sina River, often referred to as the Suna River, is a significant waterway in the Ahmednagar district of Maharashtra, India. It originates near the town of Jamgaon in the Balaghat range and flows southward, eventually joining the Bhima River. The river is crucial for irrigation, supporting the agricultural activities in the region. Historically, the Sina River has also been vital for local settlements, contributing to the socioeconomic development of Ahmednagar. Despite seasonal fluctuations in its flow, the river remains a lifeline for the surrounding communities. We selected total 4 locations at which sina river flows i.e Shendi (R1), Navnagaur Bridge (R2), Katvan Khandoba (R3), and Sina Dam (D1).

#### 2.2 Sampling:

At the selected sites we have collected three sediment samples and three water samples from each locations. Water samples are collected in a closed airtight plastic containers and sediment samples in a tray. For water sampling we have used grab sampling method and for sediment sampling we have collected samples from



15cm x 15 cm, area by clearing top surface and took sediment sample up to depth 3cm. For sediment sample we sieved the sediment sample from 5mm sieve and particles passed from 5mm sieves are taken for this study.

### **2.3 Digestion and Density Separation:**

For digestion and density separation we have prepared two solutions. 1<sup>st</sup> solution is of 30% Hydrogen Peroxide was prepared to digest the presence of organic material present in the samples. 2<sup>nd</sup> solution is of Sodium Chloride (NaCl) and distilled water. The NaCl solution of 1.3 g ml<sup>-1</sup> was prepared for density separation and to obtain microplastics in the water samples.

For density separation of water sample, we kept it for 24 hours for separation of plastic particles from water sample. After 24 hours we have observed that the plastic particles are floating on the surface of the water.

For sediment samples to remove organic material from the sediment sample we took 500 gm of sample and then added 250 ml of hydrogen peroxide solution. After 24 hours we have added NaCl solution and kept it for 4 hours. After 4 hours we observed that a top layer of water which was then separated from the sediments and filtered.

### **2.4 Filtration Process:**

For the filtration process we used whatsmann filter paper of 125 mm of diameter and vacuum filtration apparatus.

#### **2.4.1 Filtration of water sample:**

For filtration of water sample we take 500 ml of water sample collected from each location. Then with the help of whatsmann filter paper and vacuum filtration we filtered the water sample.

#### **2.4.2 Filtration of sediment sample:**

For filtration of sediment sample we took water sample which was formed above the sediment during density separation. Then with the help of whatsmann filter paper and vacuum filtration apparatus we have filtered the sediment sample. After filtration of water and sediment sample we have observed the layer on the filter paper which contains microplastics.

### **2.5 Observation of filter paper under microscope:**

After the filtration process we observe each filter paper under the microscope. After observing it we separate microplastics on the basis of different colours such as pink, blue, yellow and white.

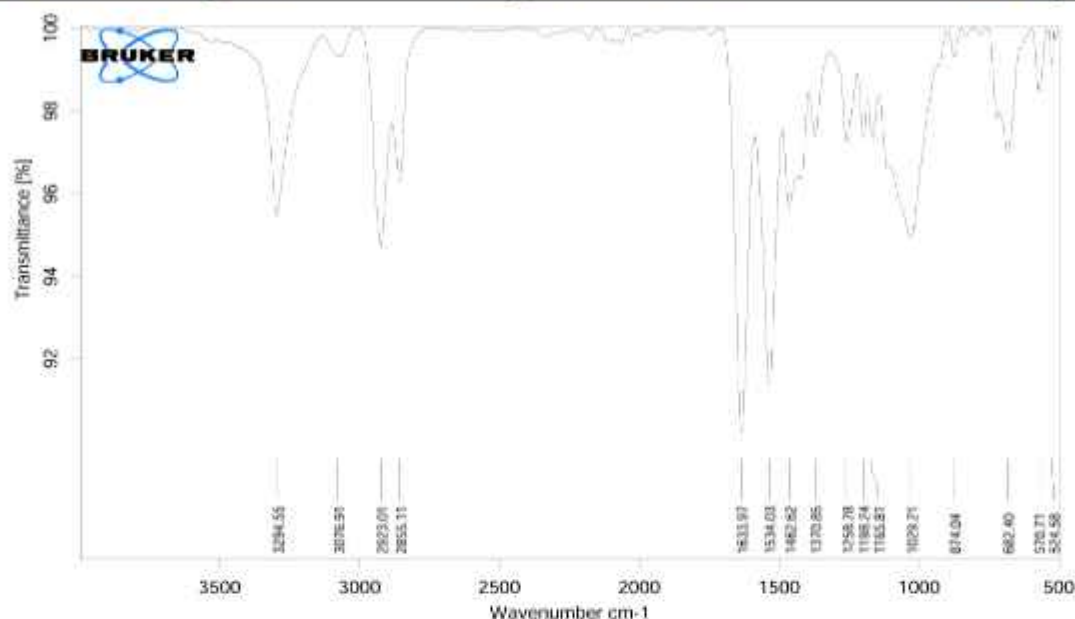
### **2.6 Analysis of microplastic:**

For analysis of microplastic we used FTIR (Fourier Transfer Infra-Red) spectroscopy.

#### **FTIR Spectroscopy:**

Fourier-transform infrared (FTIR) spectroscopy is an analytical technique used to obtain an infrared spectrum of absorption or emission of a solid, liquid, or gas. It works by measuring how infrared radiation is absorbed by a sample at different wavelengths, generating a spectrum that represents the molecular fingerprint of the sample. The technique utilizes an interferometer to collect all spectral data simultaneously, which is then transformed using Fourier transformation to produce the spectrum. FTIR is widely used in various fields such as chemistry, materials science, and pharmaceuticals for identifying functional groups, studying molecular structures, and monitoring chemical reactions. Its advantages include high sensitivity, rapid data collection, and the ability to analyze complex mixtures.

After FTIR spectroscopy analysis the results obtained in graphical form and as follows.



Graph 1 - shows FTIR Result

### III. RESULTS AND DISCUSSION

Floating microplastics were present in all surface water and sediments of river and dam also present in surrounding of them. The details are shown in Table 3.1.

Table 3.1. FTIR identification of selected microplastics (5 mm-300µm).

Sr. No	Locations	Microplastic Numbers			
		5mm - 300µm	300µm - 100µm	100µm - 20µm	Total Number
1	R1	3	2	0	05
2	R2	12	11	10	33
3	R3	17	19	16	52
4	D1	9	11	3	23

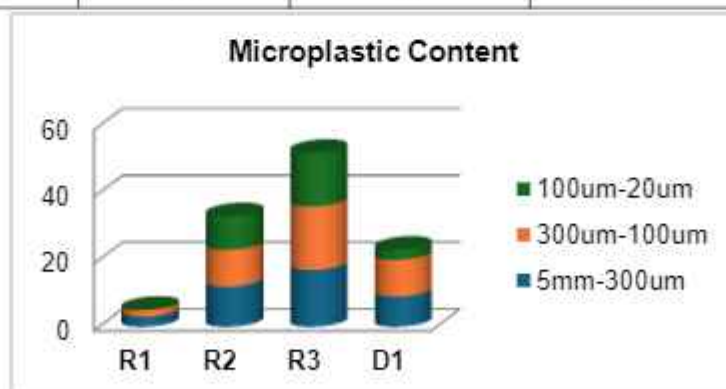


Chart 1 - shows size distribution of Microplastics.

### IV. EFFECT ON ECOSYSTEM

The ecosystem of the Sina River, like many other river systems, is vulnerable to the impacts of microplastic pollution. Microplastics affect the Sina River ecosystem in several significant ways:

#### 4.1 Accumulation in Sediments

Microplastics accumulate in the sediments of the Sina River, altering the physical and chemical properties of the riverbed. This accumulation can disrupt the natural habitats of benthic organisms, leading to changes in



sediment structure and composition. These changes can affect the availability of nutrients and oxygen, crucial for the survival of various microorganisms and invertebrates that live in the sediment.

#### **4.2 Chemical Contamination**

Microplastics can adsorb toxic chemicals such as heavy metals and persistent organic pollutants (POPs) from the surrounding water. This process increases the concentration of these harmful substances in the river ecosystem. When organisms ingest microplastics, they can be exposed to these toxic chemicals, which can bioaccumulate and biomagnify up the food chain, affecting predators at higher trophic levels, including fish and birds.

#### **4.3 Impact on Aquatic Life**

Aquatic organisms in the Sina River, including fish, invertebrates, and amphibians, may ingest microplastics, mistaking them for food. This ingestion can cause physical harm, such as blockages in the digestive tract, reducing the organisms' ability to feed and absorb nutrients effectively. The presence of microplastics in the digestive systems of these organisms can also lead to decreased growth rates, lower reproductive success, and increased mortality rates.

#### **4.4 Disruption of Food Webs**

The ingestion of microplastics by lower trophic level organisms can lead to the transfer of microplastics up the food chain. Predatory species that feed on smaller organisms can accumulate microplastics in their bodies, disrupting the entire food web. This trophic transfer can have cascading effects, ultimately impacting the biodiversity and health of the entire river ecosystem.

#### **4.5 Alteration of Microbial Communities**

Microplastics provide a surface for microbial colonization, which can alter the composition and function of microbial communities in the Sina River. These changes can impact the river's nutrient cycling processes, affecting the overall health and balance of the ecosystem. The colonization of microplastics by pathogenic microbes can also pose additional health risks to aquatic life and potentially to humans who depend on the river for water and food.

### **V. CONCLUSION**

The average number and concentration of the microplastics for 4 stations as in average is found R1=05, R2=33, R3=52 and D1=23 number at respective stations. The highest concentration of microplastics were found at R3 with 52 pieces. The lowest concentration of microplastics found was as D1 with 05 number. Major polymer structure of microplastic found Polystyrene (PS), Polyethylene or polythene (PE) and Polypropylene (PP).

The presence of microplastics in the Sina River ecosystem leads to various detrimental effects, including physical and chemical alterations of the sediment, chemical contamination, harm to aquatic organisms, disruption of food webs, and changes in microbial communities. Addressing microplastic pollution in the Sina River is essential to preserving its biodiversity and maintaining the health and functionality of its ecosystem. This requires comprehensive monitoring, research, and the implementation of effective pollution control measures.

### **ACKNOWLEDGEMENT**

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## Multi-Classifir Fire and Smoke Detector Using Deep Learning

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**Abstract :** - Fire is one of the most destructive powers that has been a double-edged sword. Although it is highly beneficial and provides energy when it is handled in an effective manner, it can be quite lethal if it is allowed to continue unchecked. Combustion, as well as the conversion and release of energy, is what makes fire so destructive. It is a violent process that has the potential to unleash enormous amounts of harm. This is a very unfavorable condition that has the potential to result in a truly catastrophic event. A great number of species of flora and fauna have become extinct as a result of the recent years, which have been marked by a big number of disastrous wildfires that have resulted in a large scale loss of life and property. This is one of the most deadly occurrences that has occurred in recent years. The most significant issue is that there is not yet a fire detection method that is both efficient and practical. Consequently, the purpose of this study piece is to propose an efficient multi-classifier strategy for fire detection. This approach identifies the color of the fire, the form of the fire, and the movement of the fire, in addition to the detection of smoke through the use of the convolution neural network. According to the extensive experimental results that demonstrate the superiority of the suggested multiclassifier fire and smoke detection strategy, this approach has shown to be one of the most effective approaches for fire detection. This is obvious through the fact that it has been one of the most effective techniques

**Key Words:** — Convolution neural network, Multi-classifier, Fire shape, Fire Motion , Fore color, Temporal effect

### I. INTRODUCTION

Despite the fact that fire safety appears to have become a main concern in our contemporary lifestyles, there are still fire threats that have the potential to result in considerable loss of both property and personal resources. As a direct result of this, the utilization of a fire suppression system was necessary in both the preparation before the fire and the response to it. The primary objective of both automatic fire detection methods would be to identify a fire, notify and relay messages to residents in an acceptable manner, and consult with first emergency workers in order to equip them with knowledge. The manner in which these objectives are accomplished is determined by the specific conditions, which may include the norm of the geographical location in question. At the opposite end of the spectrum, detection systems are not novel; they have been available for a considerable amount of time. The early 1800s saw the development of a significant number of the earliest alarms. The mechanism consisted of two different fire alarm systems, one of which required 9 a telegraphic key, and the other of which required a lever. It would have been necessary for someone to approach inside one of the devices and turn the lever in order to send a notice to a nearby alarm station in the event that a fire was discovered in a residential or commercial establishment. Following the transmission of the signal to a coordinator at the site, the coordinator would then contact the fire brigade to request assistance. It was a lengthy process that needed to be completed in multiple stages. Since then, the fire detection system has also undergone advancements in accordance with the progression of technology. Throughout history, 7 fire alarm systems have been considered to be among the most significant components that are present in everyday life. In the long run, it will be one of the primary goals of the



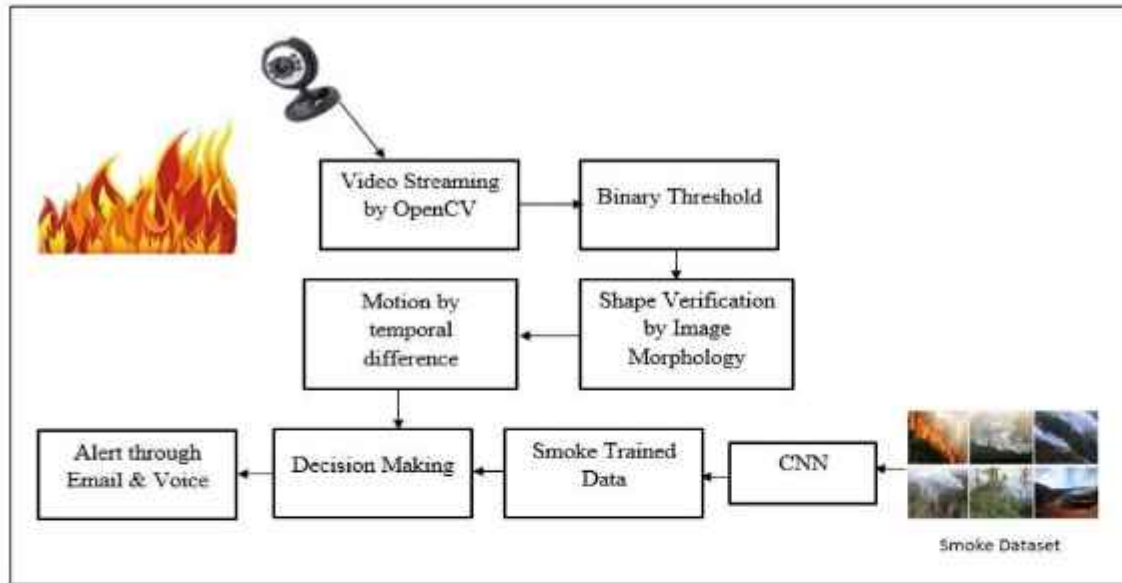
technology that controls smart homes with its capabilities. The components of a fire alarm system are designed to work in conjunction with one another in order to identify and notify the user in both audible and visual ways in the event that smoke, fire, or other harmful situations arise. It is also possible that it will contact the emergency services in order to receive monitoring from all of the fire detection devices in the vicinity. At the moment, that is the state of affairs that exists. In many countries, a fire alarm system is 11 one of the most common types of security systems that are required to be installed in every establishment, including homes and businesses. The device has the capability of providing homeowners with advance notice and notification in the event of a probable fire. [1] S. Li, Q. Yan, et al. explain how convolutional neural networks can be successfully applied to computer vision tasks to improve the efficiency of computer vision-based fire detection. Nevertheless, in certain difficult settings, the performance of existing CNN-based techniques is still restricted. Because of their enormous model sizes, most of them are challenging to implement on embedded vision devices with limited resources. The author suggests a multiscale feature extraction, implicit deep supervision, and channel attention mechanisms based fire detection solution to address these issues. [2] In this research, CHANGJUN FAN ANDFEIGAO et al. describe 10 a wireless body area network-based system that uses two readily available devices—a smart watch and a smartphone—to mine inertial sensor data from both devices in order to detect smoking incidents. After data preprocessing, an end-to-end trainable united model is developed in the system by merging a random forest with a variational autoencoder 15 to classify the collected data into smoking and nonsmoking categories. [3] Z. Xu and et al. To meet these increasingly strict requirements and surpass existing re detection approaches, the author's work develops a novel re detection method employing variational autoencoder (VAE) and deep Long-Short Term Memory (LSTM) neural networks. The author uses high-fidelity simulations and datasets from real-world re and non-re experiments supplied by NIST to assess the efficacy of the method. The performance of the author's suggested re-detection is compared and discussed with that of alternative techniques, such as the conventional LSTM, the cumulative sum control chart (CUSUM), the exponentially weighted moving average (EWMA), and two heat detectors that are currently in use. [4] A thorough analysis of YOLO architectures, such as 4 YOLOv5, YOLOv6, YOLOv7, YOLOv8, and YOLO-NAS, for smoke and wildfire detection is presented by E. Casas et al. The author's goal is to evaluate how well they work in early wildfire detection. Performance indicators including recall, precision, F1-score, and mean average precision are used in this, and the Foggia dataset is used. The author's approach trains every architecture across 300 epochs, with a particular emphasis on recall due to its applicability in this field. In order to gauge real-world performance, the "best models" are assessed using the Foggia test set and then put to the test again using a demanding, specially built dataset sourced from reputable websites. The findings demonstrate that in both testing and validation, 4 YOLOv5, YOLOv7, and YOLOv8 provide balanced performance across all measures. In this study report, the section under "Literature Survey" looks at past work that has been done. The third section provides an in-depth analysis of the methodology, while the fourth section concentrates on the evaluation of the results. In the final section of this report, Section 5, we arrive at a conclusion and provide some suggestions for further research.

## OBJECTIVES:

1. Collection of live video frames.
2. Color identification through best channel.
3. Alert rising for Wild Fire and Smoke only.
4. Alert by Voice, Email methods.



## II. PROPOSED METHODOLOGY



### Proposed model Overview

This section of the study article primarily focuses on outlining the specifics of the suggested model that is used for the multi-classifier and CNN supervised model deployment of the fire detection model. The detailed explanation of the deployment system's steps is provided below.

**Step 1: Video streaming** - The first step is video streaming, which is primarily concerned with sending images from the installed webcam to the system that has been established. The suggested system installs the open CV, which is based on Java, to integrate the produced project source code with the current camera hardware. Video from the camera is streamed into the instance media player with the aid of opencv. Subsequently, a frame is captured at each predetermined time and saved in both the designated location and an instant queue.

**Step 2: Binary Threshold (Color classifier)** - In order to determine the fire color, an instance thread retrieves one image frame from the queue in this phase. In this process, each pixel in the image is scanned to get its signed integer value, which varies depending on the color that exists. This signed integer number is used to right shift 16, 8, and 0 bits, respectively, to extract the corresponding RGB values. The RGB value produced for each pixel is next subjected to an estimation of its average values. The RGB values are set to (255,255,255) in order to turn the pixel white if the average value that is obtained is higher than the specified threshold value. On the other side, by setting the RGB values to (0,0,0), the pixel is made to seem black. This is because, in a picture such as fire, bright pixels always have an RGB value that is closer to 255 than it is to 0, otherwise 0. Following the conversion of the image's pixels into white and non-white, the fire pixels appear white while the remaining pixels are black. A black-and-white binary picture is produced by this method. The algorithm 1 below indicates the technique mentioned.

### ALGORITHM:

Binary threshold for Fire detection using color component

// Input: Video Frame F

// Output: Fire detected image

Step 0: Start

Step 1: Get Image path.

Step 2: Get Height and width of the Image F (L\*W).

Step 3: FOR i=0 to width.

Step 4: FOR  $j=0$  to Height.  
Step 5: Get a Pixel at  $(i, j)$  as signed integer.  
Step 6: Convert pixel integer value to Hexadecimal to get R, G, and B.  
Step 7:  $AVG=(R+G+B)/3$   
Step 8: IF  $AVG > T$  (  $T$  is Threshold)  
Step 9: Pixel at  $(i, j)$  is FIRE  
Step 10: ELSE  
Step 11: Pixel at  $(i, j)$  is NOT FIRE  
Step 9: End of inner for  
Step 10: End of outer for  
Step 11: Stop

Step 3: shape verification- The binary image acquired, wherein fire is represented by white pixels and the remaining pixels are black, is employed to construct a coaxial ratio array  $S$  for the purpose of indicating the fire's shape. The procedure involves estimating the ratio of each white pixel position with respect to a specific axis in order to generate an array representing the fire shape of a given frame. The array containing the instance frame is compared to the array of the subsequent frame in order to quantify the alteration in the fire's shape. <sup>7</sup> In the event that the alterations in the shape array or co-axial array above the predetermined threshold, the instance frame is deemed to possess a positive fire. The equations 1 and 2 can be used to represent the morphology or co-axial ratio. Subsequently, the frame undergoes an estimation of the fire motion in the subsequent stage.

Where  $M(x)$  – Morphology vector related to X axis.  $M(y)$  – Morphology vector related to Y axis.  $P(i, j)$  – Pixel at position  $i$  and  $j$

$N$  – 21 Number of pixels in the image

Step 4: Motion by Temporal Effect- This represents the third stage of the color categorization process used to identify fires based on motion. The technique involves listing the instance frame for the fire pixel position, and subsequently comparing this list with the previous list to determine the absolute difference. If the disparity exceeds the predetermined threshold, the frame is designated as the fire. The aforementioned procedure is represented by the algorithm 2.

Algorithm 2: Fire Detection by motion

// Input: Time  $T$ , Frame  $F_c$ , Frame  $F_p$ , Threshold Fire pixels  $Th$

// Output: Fire Detection through motion

Step 0: Start  
Step 1: WHILE (TRUE)  
Step 2: for each time  $T$   
Step 3:  $F_p \rightarrow F_c$   
Step 4: calculate pixel positions of  $F_p$  in an vector  $V_p$   
Step 5: calculate Pixel positions of  $F_c$  in an vector  $V_c$   
Step 6: IF ABSOLUTE DIFF (  $V_p - V_c$ )  $> Th$   
Step 7: Label Frame for Fire  
Step 8: END IF  
Step 9: END WHILE  
Step 10: Stop



#### IV.RESULT AND DISCUSSION :

The proposed methodology has been implemented using the Java and python programming language, employing the NetBeans and Spyder Integrated Development Environment as the designated Integrated Development Environment (IDE). The efficacy of the proposed approach has been assessed, and to achieve this objective, a comprehensive set of assessment measures has been implemented using the following tests outlined below.

The system's evaluation was conducted using publicly accessible fire photos obtained from the URL: <http://mivia.unisa.it/datasets/video-analysis-datasets/fire-detection-dataset/>. Our approach utilizes many sorts of photos to locate fires, as depicted below.



#### V.CONCLUSION

Within the scope of this project, the approach that has been offered for the detection of fire and smoke has been precisely defined. There has been an increase in the number of fires that have been particularly lethal, which has resulted in a rise in the number of lives lost, as well as the loss of biodiversity and property worth billions of dollars. When it comes to mitigating this undesired phenomena before it is too late, it can be rather challenging to have any success. Therefore, for this aim, an efficient and prompt detection of fire is of the utmost importance in order to significantly reduce the number of occurrences of these incidents. In order to accomplish this goal, an efficient multi-classifier strategy has been defined in this research work. This approach identifies the fire as well as the smoke in order to achieve prompt identification of the fire. For the purpose of achieving the frames in which the fire needs to be detected, the approach makes use of a video stream. Following the utilization of these frames for color detection through the utilization of binary threshold, the temporal difference is evaluated for the purpose of identifying the motion of the fire, and ultimately, the determination of the form of the fire is validated through the utilization of morphology. The smoke detection strategy, which is accomplished through the utilization of convolutional neural networks, is a supplement to the multi-classifier approach that is being utilized here. The comprehensive evaluation methods have been of critical importance in demonstrating the superiority of the methodology that has been proposed. It is possible that the future course of study will involve the use of this method in cameras with a lower resolution in regions such as dense rainforests and other crucial locations for the detection of wildfires.

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# Pothole and Road Hump Detection using Deep Learning

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"border" is usually impossible to determine, we can give them

**Abstract** — Every vehicle, whether manual or automatic, relies on the quality of the roads they travel on to reach their destination safely. Damage to vehicles and even death can result from imperfections in the road, such as speed bumps and potholes. Consequently, accidents and vehicle damage can be lessened by identifying and describing these outliers. Due to large quantities of duplicated data and significantly polluted measurement noise, street photographs are inherently multivariate, making the identification of street irregularities more challenging. Using a YOLO Deep learning model, this research provides automated color image processing of road potholes from video frames or smartphone images. In order to make training and usage go more smoothly, a lightweight architecture was selected. It has seven interwoven layers that work together well. With no scaling at all, each and every pixel of the source image is utilized. To acquire the maximum amount of data possible, we employed the standard stride and pooling processes. Because of this, the created model can detect potholes better and warn drivers to be careful. The proposed method gathers vital data for pothole detection by reviewing previous studies in this area.

**Keywords:** Deep learning model, YOLO neural network, Pothole detection, Road hump detection.

## 1 INTRODUCTION

Worldwide, poor road conditions are a major contributor to accidents, but distracted driving, speeding, and other driver mistakes also play a major role. Flooding, rain, damages (e.g., from overloaded large vehicles), and lack of physical maintenance are only a few of the many reasons why a road might become unsafe. When evaluating the state of a road, it is important to look for and identify specific signs of surface distress, such as cracks, potholes, or changes in texture, that warrant repair. Being traffic-relevant is the defining characteristic of macro-scale road characteristics. As an additional traffic-relevant feature, speed bumps necessitate identification in order to facilitate driver assistance.

In the context of road hardship, a pothole is unique. The road's geometry is determined arbitrarily, and its exact

a general idea, but we can be more specific about how deep they go. Cars, people, cyclists, dogs, and cats all have clearly defined shapes that can be identified using deep learning's appearance properties. In contrast, a pothole's complex geometric structure and random shape make it a difficult object-detection task.

Automated systems have emerged in many different industries in recent years, and technology has been crucial to their development. Life has gotten much easier for humans since the introduction of autonomous technology. A lot of good has come out of automating transportation and surveillance systems. When it comes to transportation, highways are crucial because they make up the largest network. Autonomous systems must operate without endangering their users, and potholes are a major problem for transportation networks on roads. There were 4,869 fatal incidents in 2015 due to potholes, according to official statistics given by the Indian government. This highlights the critical nature of keeping roads in good repair.

The COVID-19 epidemic has hit the globe hard. Road maintenance is one of several industries hit hard by the lockdowns. Road conditions have worsened as a result of this. Therefore, a system that can monitor road conditions autonomously is needed. This research presents a method for pothole identification and dimension estimate that utilizes Deep Learning and Image Processing. There have been a slew of new object detection methods created recently that rely on Convolutional Neural Networks to glean features. The YOLO (You Only Look Once) principle is suggested as a method for detecting potholes in this article. Intersection over Union (IoU) and mean average precision (mAP) are used to evaluate the outcomes after training multiple iterations of the YOLO algorithm using a bespoke dataset that includes both dry and waterlogged craters of different shapes and sizes. With respectable precision, the model can identify numerous types of potholes. In addition, the suggested pothole size estimator, which is based on image processing, uses triangular similarity to provide somewhat precise dimensions of the discovered potholes, significantly lowering the total time needed for road maintenance.



[1] In this paper, P. A. Chitale et al. hope to lessen the reliance on human labor for road maintenance, particularly in the event of a pandemic. The study demonstrates that in terms of accurate pothole detection, the YOLOv4 based model performs better than the YOLOv3 based model. Pothole dimensions are computed with high precision and a significantly low error rate. As YOLOv4 improves its IoT, it offers an accurate estimate of the potholes' proportions. Subsequent efforts will involve expanding the system to include surveillance vehicles so that exact automated road condition monitoring is possible. Additionally, a GPS module would be installed in these surveillance trucks so that the precise location of the potholes could be noted. The estimated dimensions of the potholes would be useful in determining the amount of road damage as well as the amount of raw materials needed to fill them. As a result, most planning and inspection can be completed remotely.

[2] A. Fox along et al. Explains With the increasing ubiquity of smart automobiles, it is now possible to identify environmental road elements (potholes, road inclination angle, etc.) from embedded sensor data. Crowdsourcing can be used to more accurately detect environmental information by combining data from several cars. The author focuses on locating and identifying potholes on multi-lane roads using such data. Undersampling sensors, sensor mobility, asynchronous sensor operation, sensor noise, vehicle and road heterogeneity, and GPS position error make it difficult to extract information from aggregated vehicle data. Since GPS position error is typically greater than standard lane widths, it is especially problematic in multi-lane situations. In this study, the authors look into these problems and create a crowdsourced system that uses accelerometer data from embedded vehicle sensors to locate potholes in multi-lane situations.

[3] The techniques described by A. Dhiman et al. for identifying potholes on road surfaces are intended to help offline data gathering for road maintenance or real-time control of a vehicle (for driver assistance or autonomous driving) by providing strategies for the offline or real-time detection of potholes. For these reasons, pothole detection techniques have been thoroughly investigated in studies conducted globally. This report divides developed strategies into multiple categories after providing a quick overview of the area. Next, author showcase the author's contributions to this subject by putting tactics for pothole identification that are automatically detected into practice. The author constructed two models for deep learning-based pothole detection and researched and produced two methods based on stereo-vision analysis of road conditions ahead of the car. These four created strategies are evaluated experimentally, and specific advantages of these methods are concluded.

Section 2 of this paper reviews relevant prior work, whereas Section 3 describes in depth the current implementation of the idea utilizing the phrase proposed technique. Examine the outcomes in Section 4 of the Results

and Discussions section. This study endeavor concludes with the conclusions and future scope contained in section 5.

## II RELATED WORKS

[4] B. Hosking et al. explain One of the most crucial parts of road maintenance is finding potholes. Generally speaking, computer vision techniques are predicated on either 3D road surface modeling or 2D road image analysis. These two groups are, nevertheless, always applied separately. Additionally, the precision of pothole detection is still far from acceptable. As a result, the authors of this work provide a reliable pothole detecting technique that is effective in terms of computing. Initially, a detailed disparity map is created to help distinguish between sections of damaged and undamaged roads. Golden section search and dynamic programming are used to estimate the transformation parameters in order to obtain higher disparity transformation efficiency. The possible undamaged road areas are then extracted from the altered disparity map using Otsu's thresholding technique. Using least squares fitting, the differences in the extracted areas are represented by a quadratic surface.

[5] An effective stereo vision-based road surface 3-D reconstruction and pothole detection system was demonstrated by R. Fan et al. The PT algorithm [4] was originally made more broad by the author by using the stereo rig roll angle in the PT parameter calculation procedure. The potholes were clearly visible from the intact road surface thanks to DT. The modified discrepancies were clustered by SLIC into a set of super pixels. Ultimately, by identifying the super pixels—pixels with values below an adaptive threshold established by k-means clustering—potholes were found. Using an RTX 2080 Ti GPU, the suggested pothole detecting method was constructed using CUDA. The experimental findings demonstrated the 98.7% successful detection rate and 89.4% F-score that the author's method is capable of achieving.

[6] According to Dharneeshkar J. et al., When compared to other item detections, such human, automobile, airplane, and so forth, pothole detection is distinct. Potholes are not shaped like other objects are. It is harder to detect as a result. Because of the aforementioned constraint, it is challenging to increase the mean average precision for pothole identification. This research uses different versions of YOLO to train a newly produced dataset of 1500 images. Furthermore, appropriate architectural modifications improve the mean average precision. In the future, a raspberry pi with a camera will be used to implement the system in real-time in a car's dashboard. The road repair crew can greatly benefit from the system's ability to trace the position of potholes that are recognized thanks to an inbuilt GPS.

[7] The pothole detection system, which has excellent accuracy and enhances the bounding box's precision for



pothole representation, was proposed by C.-W. Kuan et al. and improved the deep reinforcement learning-based pothole avoidance system, which is capable of successfully avoiding potholes. Furthermore, these systems may be operated in real time and are installed on an energy-efficient edge platform.

[8] Extracting accurate features from the input image is the first stage in creating a successful machine learning model for image segmentation, according to H. K. I. S. Lakmal et al. The research that is being presented focuses on the application of computer vision as a driver aid device for water-filled pothole detection. In order to identify the water surfaces and segment the water region in an input image, this study presents a number of different attributes. In addition, the author trained a model for the segmentation of the water surface using the Random Forest Classifier and ranked features. Authors were able to get testing accuracy of 0.877 and training accuracy of 0.998 with the suggested design.

[9] M. Omar et al. explain how the YOLOv4 algorithm, which is based on deep learning, is the primary tool used in the Intelligent Transport system paradigm for pothole detection. This work achieves an average IoU of 38.38% by training a dataset of roughly 200 photos for pothole identification. Video samples are also successfully used to detect potholes using the trained model based on picture datasets. This idea may be used in the future by the auto industry and road maintenance organizations to identify different types of road damage.

[10] In order to enable autonomous driving under unstructured road conditions, M. Rasib et al. introduce a unique pipeline combining deeplabV3 based road region recognition and steering angle estimation mechanism for the self-driving automobile. To accomplish the generalization, the author also created a sizable road-based dataset with 15,000 photos and pixel-by-pixel annotations. After that, using a dataset that they had created themselves, the author conducted tests to assess the performance of the suggested pixel level segmentation road identification and steering angle estimation approach. As a result, the technique the author has suggested improves the ability of level-5 autonomous vehicles to maneuver in unstructured road environments without lane lines or in areas where they have faded over time.

[11] According to A. A. Alhussan et al., An essential component of traffic intelligence implementation is the self-driving car. The safety and comfort of self-driving cars are significantly impacted by the smoothness of the road in front of them. Potholes in the roadway can cause a number of issues, such as crashes and vehicle damage. As a result, autonomous vehicles ought to have the ability to adjust their driving style in response to the real-time identification of potholes in the road. This issue is being addressed in a number of ways, such as by reporting findings to the relevant authorities, utilizing vibration-based sensors, and 3D laser imaging. However, these approaches were limited by issues including high setup costs and the risk of detection. As a result, the identification of potholes must be done quickly and precisely by automation. This work presents a novel approach

for feature selection and optimization of the random forest (RF) classifier, based on adaptive mutation and dipper throated optimization (AMDTO).

[12] Storytelling by D. Chen et al. For smart cities, vehicle-road collaboration is crucial, and one of the key pillars of this collaboration is the detection of potholes. Road pothole detection accuracy has increased recently due to advancements in mapping and surveying technologies. Unfortunately, the convenience of use and real-time observation capabilities of the historical detection technologies prevent the timely mapping of potholes in the road. The author suggested a reflectometry method with vibration signal analysis and spatial-temporal trajectory fusion to provide real-time pothole spotting in order to address this important problem. The author went on to construct a number of prototype gadgets for testing. These prototype devices use geminal processing and spatiotemporal formation fusion. They measure the acceleration signal that is mounted on the wheel steering lever.

[13] A novel virtual environment was created by J.-C. Tsai et al. to train pothole identification. The author's system incorporates a number of contemporary VR and simulation techniques, such as deep learning interface, 3D modeling, VR simulation, and automobile simulation. The author proved that virtual images can in fact improve the accuracy of a real pothole detector through a series of tests done on real pothole datasets. Under subsequent study, the author plans to experiment with deep reinforcement learning using Carim and train an artificial intelligence agent to automatically modify the suspension system of a car under a variety of weather and road situations.

[14] B.-h. Kang et al. created a pothole detecting system with a camera and 2D LiDAR. A large portion of the road surface can be more precisely scanned by employing two LiDARs. The author then created an algorithm for detecting potholes that included line extraction, gradient of data function, filtering, and clustering. The pothole detecting system's error rate provides insight on the system's developed performance. The author also demonstrated how 2D LiDAR may be used for 3D pothole detection. When 2D LiDAR and video data are integrated, pothole identification utilizing the combined data performs more accurately.

[15] According to M. Omar et al., the YOLOv4 algorithm, which is based on deep learning, is the primary tool used in the Intelligent Transport System paradigm for pothole detection. This work achieves an average IoU of 38.38% by training a dataset of roughly 200 photos for pothole identification. Video samples are also successfully used to detect potholes using the trained model based on picture datasets. This idea may be used in the future by the auto industry and road maintenance organizations to identify different types of road damage.



### III PROPOSED METHODOLOGY

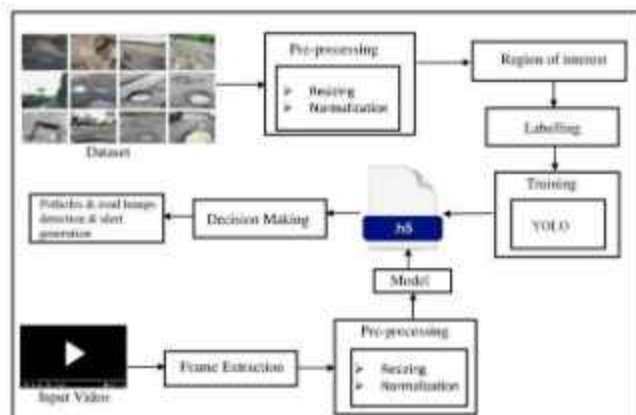


Figure 1: Overview of the proposed model

The method that has been proposed to successfully implement YOLOv8's pothole detection capabilities is shown in figure 1. What follows is a detailed description of the many stages that make up the offered method.

**Step 1: YOLO V8 Pothole Image Training** — In order to successfully identify the pothole in the image, the system is using the image. In order to generate an alert, the initial phase of the approach is to identify the pothole in the image. In order to successfully identify potholes, the pothole identification module employs the YOLOv8 method. Prior to using this model for pothole recognition, it must be trained.

Downloading the roboflow dataset and installing the YOLOv8 model's ultralytics are the first steps in the training process. To link Roboflow to your API key, go to <https://public.roboflow.com/object-detection/pothole> and get the dataset for pothole recognition. It efficiently scans the downloaded dataset to retrieve the directory's file list. After that, we may find out how many files are in the directory by using the file list. In all, 465 files will be used for training purposes. After sorting the files alphabetically, the 46 files are transferred to the destination directory and jumbled. Recalculating the number of files in the directory yields 419 for training and 179 for the other directory.

We can start the yolo v8 model for the yolo object identification challenge after you've successfully integrated the roboflow data and effectively shuffled the potholes dataset. With a batch size of 32 and an image size of 640, the detection model is trained for 200 epochs using the trained weights. After training the yolo v8 model, the project runs are saved as a zip file in the provided directory.

A Convolutional Neural Network (CNN) variant, the YOLOv8 is its offspring. It achieves object identification with improved accuracy by using the CNN technique components in a unique and effective manner. To prevent overfitting and regularize the model, the Yolo design uses 24 convolutional layers with different parameters, a max pooling layer, and a number of dropout and batch normalizations. Two fully connected layers are the model's apex.

The channels are max-pooled after the first convolutional layers decompose and reduce them; the kernel size is 2x2 and the stride is 2. All of the model's layers use the same maxpooling algorithm. To handle the increase in data, the kernel sizes of the succeeding convolutional layers get progressively larger. This layer architecture makes use of the ReLU activation function. With the exception of the fully connected layers, which use a linear activation function to generate the .pt file—YOLOv8's trained data file—all of the layers' activation functions are same. In the following steps, this .pt file will be utilized to notify the presence of the pothole. The same procedure is applied on the road humps dataset also which is obtained from the URL

<https://universe.roboflow.com/detection-system/humps-bumps-potholes-detection/dataset/8>. Table 2 provides details about the YOLOv8 model.

S. no	Layer Type	Parameters
1	Convolutional Layer	7x7x64 Stride-2
2	Maxpool Layer	2x2 Stride 2
3	Convolutional Layer	3x3x192
4	Maxpool Layer	2x2 Stride 2
5	Convolutional Layer	1x1x128
6	Convolutional Layer	3x3x256
7	Convolutional Layer	1x1x256
8	Convolutional Layer	3x3x512
9	Maxpool Layer	2x2 Stride 2
10	Convolutional Layer	1x1x256
11	Convolutional Layer	3x3x512
12	Convolutional Layer	1x1x256
13	Convolutional Layer	3x3x512
14	Convolutional Layer	1x1x256
15	Convolutional Layer	3x3x512
16	Convolutional Layer	1x1x256
17	Convolutional Layer	3x3x512
18	Convolutional Layer	1x1x512
19	Convolutional Layer	3x3x1024
20	Maxpool Layer	2x2 Stride 2
21	Convolutional Layer	1x1x512
22	Convolutional Layer	3x3x1024
23	Convolutional Layer	1x1x512
24	Convolutional Layer	3x3x1024
25	Convolutional Layer	3x3x1024
26	Convolutional Layer	3x3x1024 Stride 2
27	Convolutional Layer	3x3x1024
28	Convolutional Layer	3x3x1024
29	Fully Connected Layer	
30	Fully Connected Layer	

Figure 2: Model Summary for YOLOv8

**Step 2: Testing the model for pothole:** Here, we've provided the video input for the pothole and are extracting frames to feed in real-time. To find the pothole in the live streaming frames, we use the trained model file .pt. We get their upper left rectangular locations from this file. At this vantage point, we can see the frames' stability being monitored; we can also see the red and white markings of road humps and potholes. The confidence values of red potholes imply that they are more extensive, while those of white potholes indicate that they are shallower.



#### IV RESULTS AND DISCUSSIONS

To test the developed model, we use a Windows PC with an Intel Core i5 processor. The confusion matrix's accuracy score parameter, which is used to evaluate the model's performance on Road humps. The following equation shows the values of Precision and Recall.

$$\text{Precision}(P) = \frac{TP}{TP + FN} \quad - (1)$$

$$\text{Recall}(R) = \frac{TP}{TP + FP} \quad - (2)$$

Here, TP is True positive cases, TN is True Negative cases, FP is False positive cases and FN is False Negative cases. Below we can see the precision and Accuracy graphs that we obtained during the process of training the model in figure 3 and 4 along with the snaps of obtained results in figure 5 and 6.

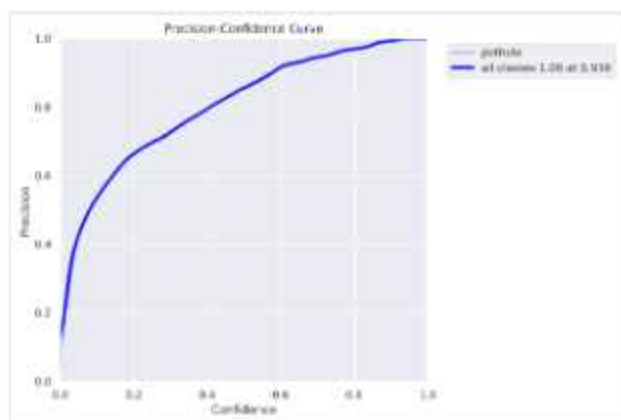


Figure 3: Precision Curve

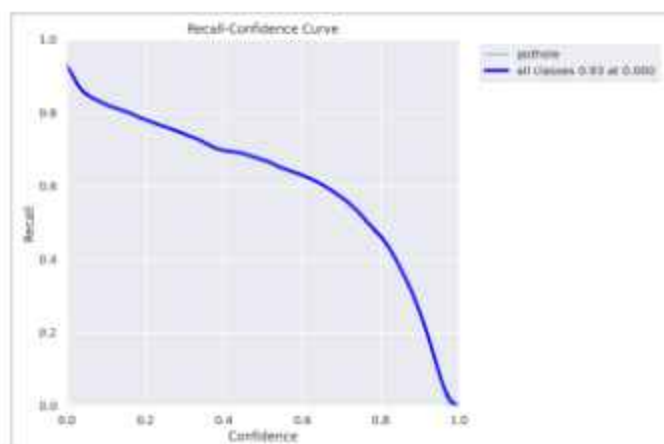


Figure 4: Recall Curve



Figure 5: Obtained results for Road humps detection

The obtained graphs in figure 3 and 4 indicate that the system is yielding good precision of almost 100% and recall of 93%. This eventually indicates that the model is deployed in the best way to detect potholes and road humps.



## V. CONCLUSION AND FUTURE SCOPE

In order to train the YOLO model, the first step of the process is to realize the input dataset. Following its creation, the dataset will undergo shuffling program. The input images are resized and normalized by the YOLO module to expedite the training of the neural network model. After they've been preprocessed, these images are utilized to assess potential areas of interest that can be labeled to extract potholes from the original images. Prior to providing the model with the images to train on, they will be efficiently tagged with the regions of interest. Training is taking place on the YOLO network, while testing is taking place in real-time input video to detect the potholes and road humps efficiently. Less dense potholes and road humps are denoted as white color, on the other hand bit heavy potholes and road humps are shown in red color to distinguish both of them clearly.

A future expansion of the system will include surveillance cars, allowing for precise autonomous road condition monitoring. Additionally, these monitoring vehicles would have GPS modules installed so that they could pinpoint precisely where the potholes and roadhumps were. By estimating the sizes of the holes, we can estimate the amount of road damage and the quantity of raw materials needed to repair the potholes. As a result, most inspections and planning may be done remotely.

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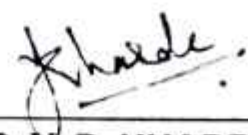
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*This is to certify that author "Athare Akanksha" with paper ID "IRJMETS60500254038" has published a paper entitled "PARTIAL REPLACEMENT OF FINE AGGREGATES WITH THE CRUSHED GLASS" in International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 06, Issue 05, May 2024*

*A. Denuki*

Editor in Chief



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# *International Research Journal Of Modernization in Engineering Technology and Science*

(Peer-Reviewed, Open Access, Fully Refereed International Journal)

**e-ISSN: 2582-5208**

**Ref: IRJMETS/Certificate/Volume 06/Issue 05/60500270959**

**Date: 29/05/2024**

## *Certificate of Publication*

*This is to certify that author "Satpute Harshada" with paper ID "IRJMETS60500270959" has published a paper entitled "ADVANCEMENT IN THE PHYTOREMEDIATION TREATMENT SYSTEM" in International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 06, Issue 05, May 2024*

*A. D. D. D.*

Editor in Chief



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**e-ISSN: 2582-5208**

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**Date: 29/05/2024**

## *Certificate of Publication*

*This is to certify that author "Shirsath Vaishnavi" with paper ID "IRJMETS60500270959" has published a paper entitled "ADVANCEMENT IN THE PHYTOREMEDIATION TREATMENT SYSTEM" in International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 06, Issue 05, May 2024*

*A. Denuki*

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**e-ISSN: 2582-5208**

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**Date: 29/05/2024**

## *Certificate of Publication*

*This is to certify that author "Kadam Namrata" with paper ID "IRJMETS60500270959" has published a paper entitled "ADVANCEMENT IN THE PHYTOREMEDIATION TREATMENT SYSTEM" in International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 06, Issue 05, May 2024*

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**SHRI CHHATRAPATI SHIVAJI MAHARAJ  
COLLEGE OF ENGINEERING, NEPTI, A. NAGAR**



**2<sup>nd</sup> National Conference**

**Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)**

*Certificate*

This certificate is hereby awarded to Mr./Mrs. Sumit Sunil Deharekar  
of SCSMCOE, Nepti A' Nagar as author of  
paper Partial replacement of coarse aggregate in concrete with coconut shell in 2<sup>nd</sup>  
National Conference in **Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)** organized by **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** on **04<sup>th</sup> and 05<sup>th</sup>, April 2024.**

**Event Coordinator**  
I2ST-2K24



**Dr. Y. R. Kharde**  
Principal  
SCSMCOE, A. Nagar



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
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**COLLEGE OF ENGINEERING, NEPTI, A.NAGAR**



2<sup>nd</sup> National Level Conference  
and Technical Events

**I<sup>2</sup>ST- 2K24**

(INVENTIONS AND INNOVATIONS IN SCIENCE AND TECHNOLOGY)

*Certificate*

This is certified that Mr./Miss. Namrata Kadam.....has  
won the I/II/III Place/Participated in Conference..... competition of  
National Level Technical Event "**I<sup>2</sup>ST- 2K24**" organised by **Shri Chhatrapati**  
**Shivaji Maharaj College of Engineering, Nepti, Ahmednagar** on 04<sup>th</sup> and  
05<sup>th</sup>, April 2024.

**EVENT COORDINATOR**

**I2ST- 2K24**



**DR. Y. R. KHARDE**  
PRINCIPAL  
SCSMCOE, A.NAGAR





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2<sup>nd</sup> National Level Conference  
and Technical Events

**I<sup>2</sup>ST- 2K24**

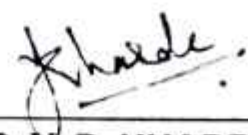
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*Certificate*

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won the I/ II/ III Place/Participated in project...presentation competition of  
National Level Technical Event "**I<sup>2</sup>ST- 2K24**" organised by **Shri Chhatrapati**  
**Shivaji Maharaj College of Engineering, Nepti, Ahmednagar** on 04<sup>th</sup> and  
05<sup>th</sup>, April 2024.

  
\_\_\_\_\_  
EVENT COORDINATOR  
I2ST- 2K24



  
\_\_\_\_\_  
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SCSMCOE, A.NAGAR



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**2<sup>nd</sup> National Conference**  
**Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)**

## *Certificate*

This certificate is hereby awarded to Mr/Ms. Miss Rutuja Anil Gawade  
of SCSM COE, Nepti, A.nagar as author of  
paper Constructed Wetlands in 2<sup>nd</sup>  
National Conference in **Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)** organized by **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** on **04<sup>th</sup> and 05<sup>th</sup>, April 2024.**

**Event Coordinator**  
**I2ST-2K24**



**Dr. Y. R. Kharde**  
**Principal**  
**SCSMCOE, A.Nagar**





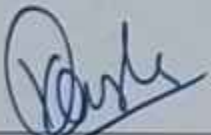
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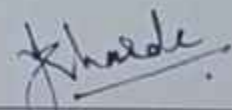
**2<sup>nd</sup> National Conference  
Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)**

## *Certificate*

This certificate is hereby awarded to Mr./Ms. Main Shaphik Bhaikh  
of SCSMCOE, Nepti, A. Nagar as author of  
paper Constructed Wetlands in 2<sup>nd</sup>  
National Conference in **Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-  
2K24)** organized by **Shri Chhatrapati Shivaji Maharaj College of Engineering,  
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**Event Coordinator**  
I2ST-2K24



  
**Dr. Y. R. Kharde**  
Principal  
SCSMCOE, A.Nagar



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**2<sup>nd</sup> National Conference  
Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)**

## *Certificate*

This certificate is hereby awarded to ~~Mr./Mrs.~~ Miss Shital Gorakh Jadhav  
of SCSM COE Nepti A'nagare as author of  
paper Constructed Wetlands in 2<sup>nd</sup>  
National Conference in **Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-  
2K24)** organized by **Shri Chhatrapati Shivaji Maharaj College of Engineering,  
Ahmednagar** on 04<sup>th</sup> and 05<sup>th</sup>, April 2024.

Event Coordinator  
I<sup>2</sup>ST-2K24



Dr. Y. R. Kharde  
Principal  
SCSMCOE, A.Nagar



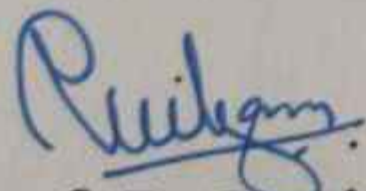
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**College of Engineering, Nepti, Ahmednagar**  
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Approved by AICTE, New Delhi, Affiliated to Savitribai Phule Pune University, Pune & MSBTE Mumbai

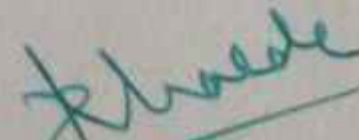


## Certificate

# Utsav-2k24

This is to certify that, Mr./Ms. Tushar Arwade  
of TE Mech has Participated in Academics/Sports/Cultural/Research  
Activity and secured 3rd prize in Goa championship Competition in  
"UTSAV-2k24" Organized by Shri Chhatrapati Shivaji Maharaj College of Engineering,  
Nepti, Ahmednagar on 15<sup>th</sup> March 2024.

  
**Prof. P. G. Nikam**  
Gathering Coordinator

  
**Dr. Y. R. Kharde**  
Principal





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
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2<sup>nd</sup> National Level Conference  
and Technical Events

**I<sup>2</sup>ST- 2K24**

(INVENTIONS AND INNOVATIONS IN SCIENCE AND TECHNOLOGY)

*Certificate*

This is certified that Mr./Miss. ....*Akanksha Athare*.....has  
won the I/ II/ III Place/Participated in .....*Bridge Mania*..... competition of  
National Level Technical Event "**I<sup>2</sup>ST- 2K24**" organised by **Shri Chhatrapati**  
**Shivaji Maharaj College of Engineering, Nepti, Ahmednagar** on **04<sup>th</sup> and**  
**05<sup>th</sup>, April 2024.**

**EVENT COORDINATOR**  
I2ST- 2K24



**DR. Y. R. KHARDE**  
PRINCIPAL  
SCSMCOE, A.NAGAR





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
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**COLLEGE OF ENGINEERING, NEPTI, A.NAGAR**



2<sup>nd</sup> National Conference  
Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)

## Certificate

This certificate is hereby awarded to Mr./Mrs. Donta Gayatri Bhushailam  
of SCSMCOE, Nepti A. Nagar as author of  
paper Partially Replacement of waste tyre crumb rubber with fine agg. in 2<sup>nd</sup>  
National Conference in **Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-**  
**2K24)** organized by **Shri Chhatrapati Shivaji Maharaj College of Engineering,**  
**Ahmednagar** on **04<sup>th</sup> and 05<sup>th</sup>, April 2024.**

Event Coordinator  
I<sup>2</sup>ST-2K24



Dr. Y. R. Kharde  
Principal  
SCSMCOE, A. Nagar





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COLLEGE OF ENGINEERING, NEPTI, A. NAGAR**



**2<sup>nd</sup> National Conference**

**Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)**

*Certificate*

This certificate is hereby awarded to Mr./Ms. Sapre Shraddha Janhaji  
of SCSM COE, Nepti, A. Nagar as author of  
paper Ecofriendly Storage structure for grains with optimum use of bamboo cross section in 2<sup>nd</sup>  
National Conference in **Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)** organized by **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** on **04<sup>th</sup> and 05<sup>th</sup>, April 2024.**

**Event Coordinator**  
I2ST-2K24



**Dr. Y. R. Kharde**  
Principal  
SCSMCOE, A. Nagar



#### 4. Peer Team Learning

## Mentor Mentee Activities



# Presentation Skill



Student Prepared PPT on Given Topic and Present







Presentation by students




## BE Civil Project list (2023-24)

Group No	Project Title	Name of the Student	Name & Signature of Guide
1	Sampling and grading analysis of Micro-Plastics pollution in surface water source	Kharpude Shweta Raju	 Prof. P. G. Nikam
		Gaikwad Tanuja Mahadev	
		Khedkar Tejas Dadasaheb	
		Pokharna Ayush Yogesh	
2	Partial Replacement of Fine Aggregate with Glass Powder	Thombare Avantika Machindra	 Prof. A. R. Pardeshi
		Sakhare Komal Haribau	
		Athare Akansha Pradip	
		Chaudhari Shailesh Rajendra	
3	An Experimental study of Papercrete Bricks	Pund Sakshi Rajendra	 Prof. M. P. Athare
		Kale Dipali Chandrakant	
		Warule Trupti Gangadhar	
		Nikrad Tejashree Chandrakant	
4	Partial Replacement of coarse Aggregate with Coconut Shell	Chobhe Abhishek Ravindra	 Prof. A. R. Pardeshi
		Deharekar Sumit Sunil	
		Kadam Vedant Moreshwar	
		Kotkar Umesh Ashok	
5	Sugarcane Based Phytoremediation: Innovative Strategies For River Wastewater Clean-up	Satpute Harshada Ganpat	 Prof. P. G. Nikam
		Kadam Namrata Kailas	
		Shirsath Vaishnavi Dadasaheb	
		Kusalkar Shreyash Bhanudas	
6	Treating Waste Water By Constructing Wetlands	Jadhav Shital Gorakh	 Prof. M. P. Athare
		Gawade Rutuja Anil	
		Shaikh Moin Shaphik	
		Inamdar Hujaif Aliahmad	
7	Eco friendly Grain Storing Structure with Optimum use of Bamboo Cross- Section	Rahinj Pooja Sanjay	 Prof. A. S. Kamble
		Sapre Shraddha Tanhaji	
		Nimase Harshawardhan Govardhan	
		Shelke Prasanna Prakash	

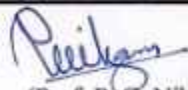


## BE Civil Project list (2023-24)

Group No	Project Title	Name of the Student	Name & Signature of Guide
8	Effect of Crumb Rubber as a Partial Replacement of Fine Aggregate in Concrete.	Donta Gayatri Shrishailam Daitule Harshada Dinkar Huse Anuja Shivaji	 Prof. A. R. Gawali
9	Partial Replacement of Cement by Ceramic Dust Power	Kale Om Avinash Kotkar Suraj Dnyaneshwar Shripai Sakshi Vajreshwar Kanore Rutvika Shriniwas	 Prof. G. S. Patil
10	Smog Free Tower City	Kulat Gaurav Radhakisan Pimpale Abhishek Bansi Murumkar Yash Rajendra Gandhi Yash Dinesh Darekar Pranav Pradip	 Prof. S. A. Jagtap
11	Digital Transformation of a Map of Land use & Cover for Agricultural & Non Agricultural Area using Remote Sensing & GIS	Lodhe Ganesh Sunil Aher Ajay Vijay Bhujbal Trupti Narendra	 Prof. S. A. Jagtap
12	Soil Stabilization Using Waste Materials	Temkar Rutuja Anil Gite Dipak Gorakh Pathan Juber Noormohammad Tambe Aadesh Sunil	 Prof. S. S. Pagare
13	Watershed Management System	Hulage Rahul Vitthal Phatake Pawan Babasahbe Raut Pratik Rajendra Wable Suyash Balasaheb	 Prof. V. V. Yewale

  
(Prof. A. R. Pardeshi)  
Project Coordinator



  
(Prof. P. G. Nikam)

**HOD**  
**Civil Department**  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar



AhmednagarJilha Maratha Vidya Prasarak Samaj's

# Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005, Maharashtra  
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Email: ajmyps123@gmail.com, scsmcoe.anr@gmail.com, Website: www.scoea.org

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## Department of Computer Engineering

### Project Allocation List

A.Y.-2023-24

Gr.No	Name of Student	Project Title	Guide Name
1	Vinay Kumar Pandey	Auto Plate Parking Access	Ghadage R.A.
	Prachi Bhausaheb Katkar		
	Janhavi Dhiraj Hirwe		
2	Ajabe Gayatri Santosh	IOT Based waste Segregation In DL	Gade N.B
	Kadus Sayali Ram		
	Shinde Vaishnavi Dnyaneshwar		
	Dahale Atharv Dahale		
3	Samarth Shriram Patil	Solar Panel Fault detection system	Jagatap V.V.
	Manish Mahesh Jadhav		
	Pranjal Sharad kharat		
	Gayatri Sambhaji Chaudhari		
4	Avhad Hareshwar Vaijinath	Plant Disease Detection App By using Deep Learning	Ghadage R.A.
	Kadam Aditya Dipak		
	Nimbalkar Yash Umesh		
	Mete Sarthak Shivaji		
5	Sudake Anushka Bhausaheb	Helmet detection and number plate detection	Rachcha S.P.
	Waman Akanksha vijay		
	Parjane Tushar madhukar		
	Dahibhate Shubham vasantrao		
6	Dhage Manasi Devram	Fire and smoke detection	Kohakade P.S.
	Wadate Neha Ramchandra		
	Dhiwar Priti Mohan		
	Deshmukh Pratiksha Bhausaheb		
7	Omkar Baban shinde	WellNess nurturing wellbeing with AI	Jagtap V.V.
	Jay Dinesh Kulkarni		
	Prathamesh Vilas Jadhav		
	Aniket Yashwant Kamapurkar		
8	Khandave Vrushali Dattatray	Hommie:Conversational AI Assistant	Ghadage R.A.
	Karale Mohini Rajendra		
	Sharma Khushbu Punamchand		
	Raikwad Rohan Abhay		
9	Pratik Raju Bansode	Blockchain based secure voting system	Gade N.B
	Ram Annasaheb Danave		
	Sudam Arun Ghavte		
	Aniket Santosh Dalvi		





10	Shaikh Gulfam shahnavaj	Virtual mouse using machine learning	Wanave S.A.
	Shaikh Afjal Adam		
	Dhumal Yadnesh		
	Marathe Prasad		
11	nawale Gourav	Pothole Detection Using DL	Rachcha S.P.
	Sukeshini Sanjay Chemate		
	Shubhangi D. Ghongade		
12	Bingi Sejal Rajendra	Smart Trolley and Billing System	Kohakade P.S.
	Kashid Veda Nandkumar		
	Shirsath Nikita Janardan		
	Shripat Komal Sanjay		
13	Andhale Akansha	Gesture recognition based virtual mouse using EYE	Wanave S.A.
	Hilgude Gayatri		
	Pokale Pramila		
	Kshetre Sushmita		
14	Suryakant Balu Auti	Trustworthy E KYCsystem using Blockchain	Gade N.B
	Kshitij Sanjay Bhondave		
	Namodevi Gorakshnath Gore		
	Gitanjali Hari Bhoge		
15	Udmale Ashwin Sanjay	Real Time Object Detection using Deep Learning	Rachcha S.P.
	Vyapari Abhishek Balasaheb		
	Wandhekar Vaibhav Shashikant		
	Gunjal Bhushan Sanjay		
16	Pawar Chaitanya Vijay	Smart receptionist	Kohakade P.S.
	Lodhe Shripad Bhikaji		
	Kumbhakhele Amit Mohan		
	Gaikwad Krishna Tulshiram		
17	kawade sujit	Smart management of EV Charging station using AI	Pawar S.R.
	Mete Aditya		
	Dyaneshwar Kharde		
	Vaishavi Mote		
18	Tejas nalkar	Smart navigation for campus	Wanave S.A.
	Anurag Pawar		

  
**Prof. Ghadage R.A.**  
**Project Coordinator**



  
**Prof. Jagatap V.V.**  
**HOD**

**HOD**  
**Computer Department**  
**Shri Chhatrapati Shivaji Maharaj College**  
**of Engineering, Nepti, Ahmednagar**



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Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

## Department of Electronics and Telecommunication Engineering

B.E Project List

Date: 17/06/2023

Group No.	Title of Project	Name of Students	Name of Guide
1	Accident avoiding Bumper	Saurabh Bharat Bidave	Prof.S.M.Walke
		Ganesh Sohanlal Gulati	
		Pritesh Narayan Takale	
2	Smart Energy Metering System	Vaishnavi Sanjay Khose	Prof.S.M.Walke
		Vaishnavi Sudhir Kshirsagar	
		Nisha Rahul Rathod	
3	Eight Leg Spider Robot using Theo Johnsen Likage Mechanism	Sheetal Harishchandra Pune	Prof.S.M.Walke
		Ganesh Vishnu Khade	
		Umesh Balasaheb Thombal	

Mrs S. M. Walke

Project coordinator



Mrs S. M. Walke

HOD E&TC

HEAD

Department of E & TC Engineering  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar





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## Department of Mechanical Engineering

Academic Year 2023-24

### Project List

Sr. No.	Name of Student	Project Name	Guide Name	Guide Sign
1	Sugar cane lifting machine	Ganesh Karle	Prof. A. G. Dekhne	
		Ajay Sarode		
		Jaydeep Jadhav		
		Tushar Parkale		
2	Fabrication of minor losses in pipe fittings Test rig	Kshirsagar Rushikesh	Prof. G.B. Salunke	
		Ramdas Thorat		
		Sanket Shelake		
		Modhave Ashwini		
3	Improving the mechanical properties of CI200 thorough magnetic field assisted processing	Limbhore pratiksha	Prof. M. D. Mandhre	
		Bhalsing shreyash		
		Karale vishal		
		Shubham Kadus		
4	Artificial intelligence floor cleaning robot	Om Kashid	Prof. M. G. Kale	
		Nikhil Gite		
		Omkar Harishchandre		
		Amol Kale		
5	Frictional less Braking system	Kunal Shirsathe	Prof. A.S. Kalhapure	
		Vaishnav Katore		
		Pradnya Srimandilkar		
		Rutuja Ekkaldevi		
6	The Experimental Analysis Reinforcement Of Aluminium Metal Matrix Composite With SIC & TIC	Salve Vishal	Prof. A.B. Kale	
		Ronak Toukshiya		
		Thorat Vimal		
		Bhalekar Ganesh		
7	Design End Quench test and Evaluation Hardness of Aluminium And Cast iron 200 which making in Presence of Magnetic Field	Viraj Mhaske	Prof. S.P. Jathar	
		Prafful Gangarde		
		Somnath Garule		
8	Smart Irrigation system using IOT	Gagare Kartik	Prof. M.D. Mandhre	
		Wani Dipak		
		Gaikwad Prashant		

Prof. M. D. Mandhre  
Project Coordinator



Prof. A.B. Kale

HOD

Mechanical Department

HOD

Mechanical Department  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

# Shri Chhatrapati Shivaji Maharaj College of Engineering

Survey No. 162 & 163 Nepti, Nagar Kalyan Road, Ahmednagar - 414005

## PROJECT LOG-BOOK

Department of : Civil Engineering

Approved by AICTE New Delhi & Govt. of Maharashtra, Recognized by DTE Mumbai & Affiliated to University of Pune  
DTE Code EN 5382 University ID No. PU/PN/Engg. 121/(2011)





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**Shri Chhatrapati Shivaji Maharaj  
College of Engineering**



Department of : Civil Engineering

**PROJECT LOG-BOOK**

B.E. ( 2023 - 2024 )

Year

Project Title : Partial Replacement of cement with  
ceramic waste powder.

Sponsoring Authority : \_\_\_\_\_  
(Enclose copy of Letter)

Name of the students :  
with Roll Nos.

1. Om. Kale. A.
2. Rutvika Kanore. S.
3. Suraj. Katkar. D.
4. Sakshi. Sheipat. V.
5. \_\_\_\_\_

Name of the Guide : Prof. G. S. Patil.

Contact No. : (0241) 2568383, 2568384 (Fax) [www.scoe.org](http://www.scoe.org)  
Survey No. 162 & 163 Nepli, Nagar Kalyan Road, Ahmednagar - 414005

## Synopsis / Registration form

### Project Title :

Partial replacement of cement by using  
ceramic waste powder in concrete.

### Abstract :

Over millennia, ceramics were deployed as  
quasi-universal materials serving diverse functions,  
such as cooking, storage, transport, construction  
or pyrotechnical processing. The ceramic  
industry inevitably generates wastes irrespective  
of the improvement introduced in manufacturing  
process. In the ceramic industry, about 15% -  
30% production goes as waste. Ceramic waste  
has significant negative environment influence  
on the society. The use of ceramic waste  
powder and broken tiles in various industrial  
sectors particularly in the construction, repair,  
and maintenance of buildings.

### Aim and Objective :

- ① Studying the possibility of using the Ceramic  
waste powder by replacing ordinary  
Portland cement in 2.5, 5, 7.5, 10%.
- ② Measure the split-cylinder tensile.
- ③ Measure the workability of concrete by  
measuring the Slump of the mixtures.



Signature of HOD



Signature of Guide



## Weekly Visit Log

### Discussion :

(Like Major Calculations/Major Findings etc.)

Date: 03 / 08 /2013,  
04 / 08 /2013

As we receive date of project - stage I -  
we were making group through communication  
to each through this we at last we  
decide 4 member: of Member are, Om kate,  
Rutika Kanore, Sunaj ketkar, Sakshi Shripat.

### Remark:

As per list we will get guide and they will  
said searches - 7 paper and then  
decide topics.

  
Signature of Guide

  
Signature of HOD

### Discussion :

(Like Major Calculations/Major Findings etc.)

Date: 10 / 08 /2013

After reading researches, through list announces  
we get guide Prof. G.S. Patil sir.

### Remark:

Read the various research related to  
the topic & decide the aim and objective.

  
Signature of Guide

  
Signature of HOD

## Weekly Visit Log

### Discussion :

(Like Major Calculations/Major Findings etc.)

Date: 18 / 08 / 2023  
17 / 08 / 2023

We finally choose topic and the topic is name it "Partial replacement of cement by using ceramic waste powder in concrete".

### Remark:

According to various research finalize the project title.

*sspat*

Signature of Guide

*Reddy*

Signature of HOD

### Discussion :

(Like Major Calculations/Major Findings etc.)

Date: 31 / 08 / 2023  
01 / 09 / 2023

And we started searching research paper on the topic "Partial replacement of cement by using ceramic waste powder in concrete". Sir told us atleast 1 research paper should be available.

### Remark:

Must out the various research paper related to topic and identify the process of project.

*sspat*

Signature of Guide

*Reddy*

Signature of HOD



## Weekly Visit Log

Discussion :

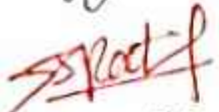
Date: 15/09/2013

(Like Major Calculations/Major Findings etc.)

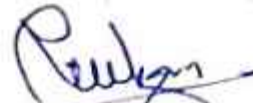
we perform test of material on  
cement consistency test by using  
Vicat's apparatus.

Remark:

Decide the ingredients of concrete &  
collect the same material by coarse sand,  
aggregate and chip.



Signature of Guide



Signature of HOD

Discussion :

Date: 05/10/2013,  
06/10/2013.

(Like Major Calculations/Major Findings etc.)

we perform test of aggregate  
(coarse aggregate) by using basket method.  
and fine aggregate by using  
pynometer.

Remark:

perform the test on aggregate.  
water absorption sp. gravity



Signature of Guide



Signature of HOD

## Weekly Visit Log

Discussion :

Date: 12 / 10 / 2013

(Like Major Calculations/Major Findings etc.)

13 / 10 / 2023

Then we start new test on cement  
it was initial setting time & final  
setting time and Fineness modulus.

Remark:

Testing on cement first & initial  
setting time of cement & found the  
satisfactory result.

  
Signature of Guide

  
Signature of HOD

Discussion :

Date: 26 / 10 / 2013

(Like Major Calculations/Major Findings etc.)

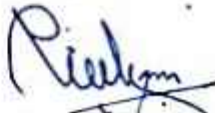
27 / 10 / 2023

After all test on cement and  
aggregates, we were preparing for  
mix design.

Remark:

Prepare mix design for m-25 grade  
of concrete.

  
Signature of Guide

  
Signature of HOD



## Weekly Visit Log

Discussion :

Date: 02 / 11 / 2023  
03 / 11 / 2023

(Like Major Calculations/Major Findings etc.)

Finishing mix design. we were making report and presentation of project.

Remark:

prepare the rpt & Report for project stage - I & found correction & and correct it on 03/11/2023.



Signature of Guide



Signature of HOD

Discussion :

Date: 22 / 12 / 2023

(Like Major Calculations/Major Findings etc.)

Preparing Quantity, how much cubes are required for conventional percentages of ceramic waste powder. So we 2 days prepare schedule.

Remark:

Casting of concrete cubes & calculate quantity required.



Signature of Guide



Signature of HOD

## Weekly Visit Log

Discussion :

Date: 23 / 12 / 2013

(Like Major Calculations/Major Findings etc.)

After preparing a proper schedule the next on this we were start preparing for casting of cubes of 0.1 of ceramic waste powder blocks.

Remark:

Casting of concrete cubes & cylinders for 0.1 (ceramic) concrete.



Signature of Guide



Signature of HOD

Discussion :

Date: 24 / 12 / 2013

(Like Major Calculations/Major Findings etc.)

After casting of cubes of 0.1 of ceramic waste powder blocks we removed from mould and mark sustain names on it.

Remark:

Place all cubes for curing



Signature of Guide



Signature of HOD



## Weekly Visit Log

Discussion :

Date: 29/12/2013

(Like Major Calculations/Major Findings etc.)

On this Day we put blocks of 0.1. (controlled concrete) for water immersion process remove it and took test of 7 days of 0.1. controlled concrete.

Remark:

Test on conventional concrete cube & cylinder for 7 days.

  
Signature of Guide

  
Signature of HOD

Discussion :

Date: 5/01/2014

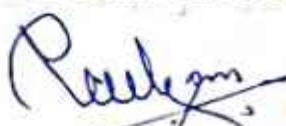
(Like Major Calculations/Major Findings etc.)

After 0.1. of 7 days test, we have cast of 2.5% ceramic waste powder on this particular days.

Remark:

Calculate quantity of 2.5% concrete.

  
Signature of Guide

  
Signature of HOD

## Weekly Visit Log

Discussion :

Date: 6 / 01 / 2024

(Like Major Calculations/Major Findings etc.)

Finishing of casting of 2.5%  
blocks on site at there  
done removing block from  
mould and mark on it  
a name to understand.

Remark:

casting of concrete cube & cylinder  
for 2.5%.

*[Signature]*

Signature of Guide

*[Signature]*

Signature of HOD

Discussion :

Date: 12 / 01 / 2024

(Like Major Calculations/Major Findings etc.)

Taken 2.5% 7 days test and  
0.1 21 days test of  
compressive strength on machine

Remark:

Test on hard concrete for  
2.5% for 7 days &  
21 day for conventional concrete.

*[Signature]*

Signature of Guide

*[Signature]*

Signature of HOD Page No.280



## Weekly Visit Log

Discussion :

Date: 29/01/2013

(Like Major Calculations/Major Findings etc.)

Casting of CWP of 5:1 and Taken  
2.5:1 7 day test of compressive  
strength machine on a this  
particular day.

Remark:

Casting of concrete @ 5:1  
and test of Hard concrete for 2.5:1 @ 7 days  
& found satisfactory result

  
Signature of Guide

  
Signature of HOD

Discussion :

Date: 26/01/2013

(Like Major Calculations/Major Findings etc.)

Taken 0:1 28 days test, 2.5:1  
21 days test and 5:1 7 day  
test on compressive strength  
& machine. And also 0:1 28 days  
test of cylindress test.

Remark:

Test of concrete @ 28 days  
& shows good strength.

  
Signature of Guide

  
Signature of HOD

## Weekly Visit Log

Discussion :

Date: 30 / 01 / 2020

(Like Major Calculations/Major Findings etc.)

Casting of 7.5% of CWP blocks and  
10% of CWP blocks.

Remark:

Casting of concrete for 7.5%  
10%.

  
Signature of Guide

  
Signature of HOD

Discussion :

Date: 02 / 02 / 2020

(Like Major Calculations/Major Findings etc.)

Further taken 2.5% of 28 days  
test and 5% of 21 days test.  
And after testing we start  
casting of 13% CWP blocks. And  
Also we have taken 2.5% 28 days of  
cylinder test.

Remark:

2.5% concrete @ 28 days of panel  
greater strength as compared to  
conventional concrete.

  
Signature of Guide

  
Signature of HOD



## Weekly Visit Log

Discussion :

Date: 09/02/2014

(Like Major Calculations/Major Findings etc.)

Taken 7.5% of 7 days test, 10% of 7 days test and 5% of 28 days on compression test machine. And also 13% 7 days test. And also 5% 28 days taken cylinders blocks test.

Remark:

7.5% concrete test @ 7 days

*Spall*

Signature of Guide

*Reidgen*

Signature of HOD

Discussion :

Date: 23/02/2014

(Like Major Calculations/Major Findings etc.)

Remaining percentage such as 7.5%, 10%, 13% taken 21 days test of compressive strength test on machine.

Remark:

*Spall*

Signature of Guide

*Reidgen*

Signature of HOD

## Weekly Visit Log

Discussion :

Date: 29 / 04 / 20

(Like Major Calculations/Major Findings etc.)

After Report corrections completed  
our college HOD showed and  
told took print and make  
black books.

Remark:

  
Signature of Guide

  
Signature of HOD

Discussion :

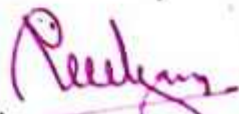
Date: 3 / 05 / 201

(Like Major Calculations/Major Findings etc.)

Finally Black books prepared  
and took respectively  
sign on Black books.

Remark:

  
Signature of Guide

  
Signature of HOD






## DEPARTMENT OF CIVIL ENGINEERING


### INDEX

#### Academic Year 2023-24 (SEM-II)

Sr. No.	Subject	Date of Visit	Place	Remark
1.	Solid Waste Management	23/04/2024	Biomedical Waste Treatment Plant, Ahmednagar.	
2.	Dams & Hydraulics Structures	16/04/2024	Mula Dam, Rahuri, Ahmednagar.	
3.	Hydropower Engineering	13/04/2024	Radhanagari Dam, Kolhapur.	
4.	Waste Water Engineering	08/04/2024	CG Power & Industrial Solution Ltd, MIDC, Ahmednagar.	
5.	Design of Reinforced Concrete structures	12/04/2024	Ongoing Construction of SCSMCOE, Nepti.	
		07/03/2024	Building Under Construction of Shri Bramhachaitanya Gondavalekar Maharaj Upasana Sansthan Trust, Ahmednagar.	

  
Visit Co-Ordinator  
Prof. R.R. Dagdiya



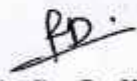
  
HOD  
Prof. P.G. Nikam  
HOD  
Civil Department  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar




## DEPARTMENT OF CIVIL ENGINEERING INDEX

Academic Year 2023-24 (SEM-I)

Sr. No.	Subject	Date of Visit	Place	Remark
1.	Engineering Geology	08/11/2023	Gargoti Museum, Sinnar, Nashik	
2.	Fluid Mechanics	08/11/2023	MERI, Nashik	
3.	Transportation Engineering	03/11/2023	Shendi, Ahmednagar	
4.	Air Pollution and Control	27/10/2023	Klassic Wheels Ltd. MIDC, Ahmednagar	
5.	Water Supply Engineering	12/10/2023	Water Treatment Plant, MIDC, Ahmednagar	
6.	Hydrology and Water Resources Engineering	11/10/2023	Metrological Department, Newasa	
7.	Advanced Design of Concrete Structures	08/10/2023	Ongoing Construction of SCSMCOE, Nepti	

  
Visit Co-Ordinator  
Prof. R.R. Dagdiya



  
HOD  
Prof. P.G. Nikam  
HOD  
Civil Department  
Shri Chhatrapati Shivaji Maharaj College  
of Engineering, Nepti, Ahmednagar





Ahmednagar/Jiha Maratha Vidya Prasarak Samaj's

**Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005, Maharashtra

Phone No :- 0241 -2568383 Unipune - ID CEG/A019270 Fax No: - 0241 -2568384

Email: ajmvps123@gmail.com, scsmcoe.anr@gmail.com, Website: www.scoe.org

Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

## Department of Computer Engineering

### Industrial Visit List 2023-24

Sr.NO	Name of Industry	Location	Student Count and Class	Date
1	Kanak Digiflex	Ahmednagar	60 Class-SE,TE	13/10/2023
2	Maharashtra Center of Entrepreneurship Development	Sambhajinagar	50 Class-BE	6/10/2023
3	Sumago Infotech	Nashik	100 Class-SE,TE	08/02/2024

  
IV Co-Ordinator

Prof.R.A.Ghadage



  
HOD

Prof.V.V.Jagtap

**HOD**  
**Computer Department**  
**Shri Chhatrapati Shivaji Maharaj College**  
**of Engineering, Nepti, Ahmednagar**



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

**Shri Chhatrapati Shivaji Maharaj  
College of Engineering, Nepti , Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005, Maharashtra  
Approved by AICTE, New Delhi, Affiliated to Savitribai Phule Pune University, Pune



**Certificate**

**Utsav 2k23**

This is to certify that, Mr./Ms. Thorat Ramdas  
of SE has Participated in Academics/Sports/Cultural/Research  
Activity and secured 2nd prize in SE Mechanical Competition in  
"UTSAV 2k23" Organized by Shri Chhatrapati Shivaji Maharaj College of Engineering,  
Nepti, Ahmednagar on 4<sup>th</sup> May 2023.

  
Mr. A.B. KALE  
CO -COORDINATOR

  
Mr. P.G. NIKAM  
COORDINATOR

  
DR. Y. R. KHARDE  
PRINCIPAL



## Certificate

# Utsav-2k24

This is to certify that, Mr./Ms. Thorat Ramdas Prakash  
of Mechanical Engg has Participated in Academics/Sports/Cultural/Research  
Activity and secured First prize in TE Mech. Competition in  
"UTSAV-2k24" Organized by Shri Chhatrapati Shivaji Maharaj College of Engineering,  
Nepti, Ahmednagar on 15<sup>th</sup> March 2024.

  
**Prof. P. G. Nikam**  
Gathering Coordinator

  
**Dr. Y. R. Kharde**  
Principal



SAVITRIBAI PHULE PUNE UNIVERSITY  
Internal Quality Assurance Cell (IQAC)





**AVISHKAR - 2023**


ZONAL LEVEL RESEARCH PROJECT COMPETITION

**Certificate of Participation**

This is to certify that Mr. / Miss. Kharpude Shweta Raju  
of S.C. S.M. COE Nepi, Ahmednagar College / Institute has participated  
in Zonal Level Research Competition for UG / PG / Post PG (M.Phil./Ph.D.) at "AVISHKAR 2023" Research  
Festival, under Engineering & Technology category, held at Dr. Vithalrao Vikhe Patil  
College of Engineering, Ahmednagar on 31<sup>st</sup> October 2023.

  
Dr. Ankush Shirke  
Coordinator IQAC  
COE, Ahmednagar

  
Dr. Uday Naik  
Principal  
COE, Ahmednagar

  
Dr. Sanjay Dhole  
Director, IQAC  
SPPU, Pune



**SAVITRIBAI PHULE PUNE UNIVERSITY**  
**Internal Quality Assurance Cell (IQAC)**





**AVISHKAR - 2023**


**ZONAL LEVEL RESEARCH PROJECT COMPETITION**

**Certificate of Participation**

This is to certify that Mr. / Miss. Gaikwad Tanuja Mahadev  
of S.C. S.M. COE, Nepti, Ahmednagar College / Institute has participated  
in Zonal Level Research Competition for UG / PG / Post PG (M.Phil./Ph.D.) at "AVISHKAR 2023" Research  
Festival, under Engineering & Technology category, held at Dr. Vithalrao Vikhe Patil  
College of Engineering, Ahmednagar on 31<sup>st</sup> October 2023.

  
Dr. Ankush Shirke  
Coordinator IQAC  
COE, Ahmednagar

  
Dr. Uday Naik  
Principal  
COE, Ahmednagar

  
Dr. Sanjay Dhole  
Director, IQAC  
SPPU, Pune



# SAVITRIBAI PHULE PUNE UNIVERSITY

Internal Quality Assurance Cell (IQAC)

## AVISHKAR - 2023

ZONAL LEVEL RESEARCH PROJECT COMPETITION

### Certificate of Participation

This is to certify that Mr. / Miss. Satpute Harshada Ganpat  
of S.C.S.M. COE, Nepti, Ahmednagar College / Institute has participated  
in Zonal Level Research Competition for UG / PG / Post PG (M.Phil./Ph.D.) at "AVISHKAR 2023" Research  
Festival, under Engineering & Technology category, held at Dr.Vithalrao Vikhe Patil  
College of Engineering, Ahmednagar on 31<sup>st</sup> October 2023.



Dr. Ankush Shirke  
Coordinator IQAC  
COE, Ahmednagar



Dr. Uday Naik  
Principal  
COE, Ahmednagar



Dr. Sanjay Dhole  
Director, IQAC  
SPPU, Pune



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Internal Quality Assurance Cell (IQAC)


## AVISHKAR - 2023


ZONAL LEVEL RESEARCH PROJECT COMPETITION

### Certificate of Participation

This is to certify that Mr. / Miss. Kadam Namrata kailas  
of S.C.S.M. COE Nepti, Ahmednagar College / Institute has participated  
in Zonal Level Research Competition for UG / PG / Post PG (M.Phil./Ph.D.) at "AVISHKAR 2023" Research  
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Dr. Ankush Shirke  
Coordinator IQAC  
COE, Ahmednagar

  
Dr. Uday Naik  
Principal  
COE, Ahmednagar

  
Dr. Sanjay Dhole  
Director, IQAC  
SPPU, Pune





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**SHRI CHHATRAPATI SHIVAJI MAHARAJ**  
**COLLEGE OF ENGINEERING, NEPTI, A.NAGAR**



**2<sup>nd</sup> National Conference**  
**Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)**

## *Certificate*

This certificate is hereby awarded to Mr./Ms. Namrata Kadam  
of SCSMCOE, Nepti, A. Nagar as author of  
paper Advancement in the Phytoremediation Treatment System in 2<sup>nd</sup>  
National Conference in **Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)** organized by **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** on **04<sup>th</sup> and 05<sup>th</sup>, April 2024.**

**Event Coordinator**  
**I2ST-2K24**



**Dr. Y. R. Kharde**  
**Principal**  
**SCSMCOE, A.Nagar**







Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

**SHRI CHHATRAPATI SHIVAJI MAHARAJ  
COLLEGE OF ENGINEERING, NEPTI, A.NAGAR**



**2<sup>nd</sup> National Conference**

**Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)**

*Certificate*

This certificate is hereby awarded to Mr./Mrs. Sumit Sunil Deharekar  
of SCSMCOE, Nepti A' Nagar as author of  
paper Partial replacement of coarse aggregate in concrete with coconut shell in 2<sup>nd</sup>  
National Conference in **Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)** organized by **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** on **04<sup>th</sup> and 05<sup>th</sup>, April 2024.**

**Event Coordinator**  
I2ST-2K24



**Dr. Y. R. Kharde**  
Principal  
SCSMCOE, A.Nagar





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**SHRI CHHATRAPATI SHIVAJI MAHARAJ**  
**COLLEGE OF ENGINEERING, NEPTI, A.NAGAR**



2<sup>nd</sup> National Level Conference  
and Technical Events

**I<sup>2</sup>ST- 2K24**

(INVENTIONS AND INNOVATIONS IN SCIENCE AND TECHNOLOGY)

*Certificate*

This is certified that Mr./Miss. Namrata Kadam.....has  
won the I/II/III Place/Participated in Conference..... competition of  
National Level Technical Event "**I<sup>2</sup>ST- 2K24**" organised by **Shri Chhatrapati**  
**Shivaji Maharaj College of Engineering, Nepti, Ahmednagar** on 04<sup>th</sup> and  
05<sup>th</sup>, April 2024.

**EVENT COORDINATOR**

**I2ST- 2K24**



**DR. Y. R. KHARDE**  
PRINCIPAL  
SCSMCOE, A.NAGAR



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**SHRI CHHATRAPATI SHIVAJI MAHARAJ**  
**COLLEGE OF ENGINEERING, NEPTI, A.NAGAR**



2<sup>nd</sup> National Level Conference  
and Technical Events

**I<sup>2</sup>ST- 2K24**

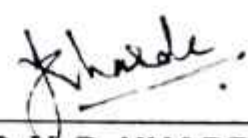
(INVENTIONS AND INNOVATIONS IN SCIENCE AND TECHNOLOGY)

# Certificate

This is certified that Mr./Miss. Kadam...Namrata.....has  
won the I/ II/ III Place/Participated in project...presentation competition of  
National Level Technical Event "**I<sup>2</sup>ST- 2K24**" organised by **Shri Chhatrapati**  
**Shivaji Maharaj College of Engineering, Nepti, Ahmednagar** on 04<sup>th</sup> and  
05<sup>th</sup>, April 2024.

  
\_\_\_\_\_  
EVENT COORDINATOR  
I2ST- 2K24



  
\_\_\_\_\_  
DR. Y. R. KHARDE  
PRINCIPAL  
SCSMCOE, A.NAGAR





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**SHRI CHHATRAPATI SHIVAJI MAHARAJ**  
**COLLEGE OF ENGINEERING, NEPTI, A.NAGAR**



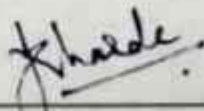
**2<sup>nd</sup> National Conference**  
**Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)**

## *Certificate*

This certificate is hereby awarded to Mr/Mrs. Miss Rutuja Anil Gawade  
of SCSM COE, Nepti, A'nagar as author of  
paper Constructed Wetlands in 2<sup>nd</sup>  
National Conference in **Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)** organized by **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** on **04<sup>th</sup> and 05<sup>th</sup>, April 2024.**

  
\_\_\_\_\_  
**Event Coordinator**  
**I2ST-2K24**



  
\_\_\_\_\_  
**Dr. Y. R. Kharde**  
**Principal**  
**SCSMCOE, A.Nagar**



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**SHRI CHHATRAPATI SHIVAJI MAHARAJ  
COLLEGE OF ENGINEERING, NEPTI, A.NAGAR**



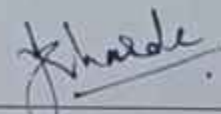
**2<sup>nd</sup> National Conference  
Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)**

## *Certificate*

This certificate is hereby awarded to Mr./M<sup>s</sup>. Moin Shaphik Bhaikh  
of SCSMCOE, Nepti, A. Nagar as author of  
paper Constructed Wetlands in 2<sup>nd</sup>  
National Conference in **Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)** organized by **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** on **04<sup>th</sup> and 05<sup>th</sup>, April 2024.**

  
Event Coordinator  
I<sup>2</sup>ST-2K24



  
Dr. Y. R. Kharde  
Principal  
SCSMCOE, A. Nagar



# Certificate

## OF COMPLETION

This Certificate is awarded to

Kharpude Shweta

from 16<sup>th</sup> Oct 2023 to 21<sup>st</sup> Oct 2023

of Civil Engg. Department.

on successful completion of "Employability Skill Programme" conducted  
by Mahindra Pride Classroom Naandi Foundation From 2023 to 2024



Chief Skills Officer

**Mahindra**  
PRIDE CLASSROOM

 **Naandi**

# Certificate

## OF COMPLETION

This Certificate is awarded to

Gawade Rutuja

from 16<sup>th</sup> Oct 2023 to 21<sup>st</sup> Oct 2023

of Civil Engg. Department.

on successful completion of "Employability Skill Programme" conducted  
by Mahindra Pride Classroom, Naandi Foundation From 2023 to 2024



Chief Skills Officer

**Mahindra**  
PRIDE CLASSROOM



**Naandi**



# Certificate

## OF COMPLETION

This Certificate is awarded to

Donta Gaytri S.

from 16<sup>th</sup> Oct 2023 to 21<sup>st</sup> Oct 2023

of Civil Engg. Department.

on successful completion of "Employability Skill Programme" conducted  
by Mahindra Pride Classroom, Naandi Foundation From 2023 to 2024



Chief Skills Officer

**Mahindra**  
PRIDE CLASSROOM



**Naandi**





# GOA CHAMPIONS TROPHY



## All India National T20 Cricket Championship-2023

Affiliated With : World T20 Cricket Development Council Affiliated With : Asian T20 Cricket Federation  
Org. By: T20 Cricket Association GOA Under The Banner T20 Cricket Association Of India

RECOGNIZED BY: NYK - MINISTRY OF YOUTH AFFAIRS & SPORTS GOVT. OF INDIA

### Certificate of Merit / Participation

Sr. No. ....714.....

Certify that Mr. ....ARWLADE TUSHAR SANDEEP.....

of ....SANDEEP HIRALAL ARWLADE.....Date of Birth....22 APRIL 2002.....

Participated in Goa Champions Trophy All India National T20 Cricket Championship-2023 Held at Madgaon, GOA  
from 17, 18, 19, 20 Dec. 2023 a Player/Coach/Manager/Official



Team Secured.....PARTICIPATED.....Position.

*Manoj Joshi*  
**Manoj Joshi**

President  
T20 Cricket Asso. Of India

*Binto Disuza*  
**Binto Disuza**

Secretary  
T20 Cricket Asso. Goa

*Firoz Khan*  
**Firoz Khan**

Org. Secretary

*Mohd. Saddik*  
**Mohd. Saddik**

Gen. Secretary  
T20 Cricket Asso. of india







INDIA

# Indo-Nepal T20 Cricket Championship

ORG.BY: T20 CRICKET ASSOCIATION OF NEPAL

At : Pokhara (Nepal)

From : 02 JUNE TO 05 JUNE 2024

## Certificate

Sr. No. 792

This Is To Certify That Mr. Arwade Tushar Sandip.  
S/o Sandip Hiralal Arwade of Maharashtra participated as  
Player/Official In The Indo-Nepal International T20 Cricket Championship Held at Pokhara (Nepal)

From : 02 JUNE TO 05 JUNE 2024

Org. By. T20 Cricket Association of Nepal Under The Banner of Asian T20 Cricket Federation

T20 Cricket Association of India (Recognized by : Nehru Yuva Kendra Govt. of India )

Team Place. Runner up



Aadhar No. 4799 8385 3592



NEPAL



GAURAV SHREVASTAVA

Chairman

Asia T20 Cricket Federation

RIJAN GURUNG

Org. Secretary

Ind-Nepal T20 Cric. Championship

MOHD. SADDIK

Gen. Secretary

T20 Cricket Asso. Of India

KARAN SHRESHTHA

Gen. Secretary

T20 Cricket Asso. Of Nepal





INDIA

# Indo-Nepal T20 Cricket Championship

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T20 Cricket Association of India (Recognized by : Nehru Yuva Kendra Govt. of India )

Team Place. Runner up



Aadhar No. 4799 8385 3592



NEPAL



GAURAV SHREVASTAVA

Chairman

Asia T20 Cricket Federation

RIJAN GURUNG

Org. Secretary

Ind-Nepal T20 Cric. Championship

MOHD. SADDIK

Gen. Secretary

T20 Cricket Asso. Of India

KARAN SHRESHTHA

Gen. Secretary

T20 Cricket Asso. Of Nepal



SAVITRIBAI PHULE PUNE UNIVERSITY  
Internal Quality Assurance Cell (IQAC)

**AVISHKAR - 2023**

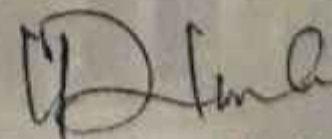
ZONAL LEVEL RESEARCH PROJECT COMPETITION

**Certificate of Participation**

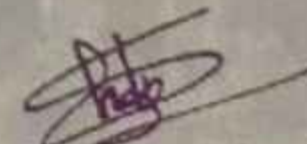
This is to certify that Mr./ Miss. Arwade Tushar Sandeep  
of Shri Chhatrapati Shivaji Maharaj C. O. E. Nepti A. nagar College / Institute has participated  
in Zonal Level Research Competition for UG / PG / Post PG (M.Phil./Ph.D.) at "AVISHKAR 2023" Research  
Festival, under Engineering and Tech category, held at Dr. Vithalrao Vikhe Patil  
College of Engineering, Ahmednagar on 31<sup>st</sup> October 2023.



Dr. Ankush Shirke  
Coordinator IQAC  
COE, Ahmednagar



Dr. Uday Naik  
Principal  
COE, Ahmednagar



Dr. Sanjay Dhole  
Director, IQAC  
SPPU, Pune





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**SHRI CHHATRAPATI SHIVAJI MAHARAJ**  
**COLLEGE OF ENGINEERING, NEPTI, A.NAGAR**



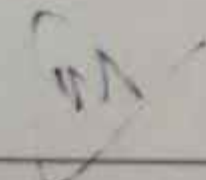
2<sup>nd</sup> National Level Conference  
and Technical Events

**1<sup>2</sup>ST- 2K24**

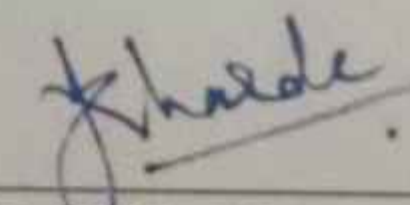
(INVENTIONS AND INNOVATIONS IN SCIENCE AND TECHNOLOGY)

*Certificate*

This is certified that Mr./Miss. TUSHAR ARWADE has  
won the I/ II/ III Place/Participated in EVENT CO-ORDINATOR competition of  
National Level Technical Event "**1<sup>2</sup>ST- 2K24**" organised by **Shri Chhatrapati**  
**Shivaji Maharaj College of Engineering, Nepti, Ahmednagar** on **04<sup>th</sup> and**  
**05<sup>th</sup>, April 2024.**

  
EVENT COORDINATOR  
12ST- 2K24



  
DR. Y. R. KHARDE  
PRINCIPAL  
SCSMCOE, A.NAGAR





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**Shri Chhatrapati Shivaji Maharaj  
College of Engineering, Nepti, Ahmednagar**

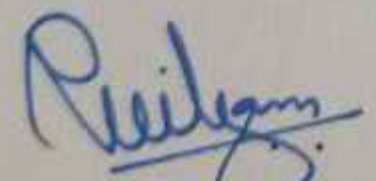
Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005. Maharashtra  
Approved by AICTE, New Delhi, Affiliated to Savitribai Phule Pune University, Pune & MSBTE Mumbai

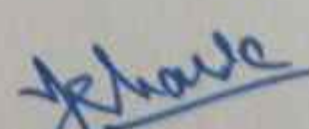


## Certificate

# Utsav-2k24

This is to certify that, Mr./Ms. TUSHAR ARWAD  
of TE Mech has Participated in Academics/Sports/Cultural/Research  
Activity and secured frist prize in FUN Fair Competition in  
"UTSAV-2k24" Organized by Shri Chhatrapati Shivaji Maharaj College of Engineering,  
Nepti, Ahmednagar on 15<sup>th</sup> March 2024.

  
**Prof. P. G. Nikam**  
Gathering Coordinator

  
**Dr. Y. R. Kharde**  
Principal



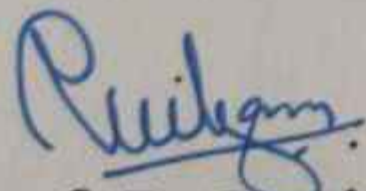
Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**Shri Chhatrapati Shivaji Maharaj**  
**College of Engineering, Nepti, Ahmednagar**  
Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005. Maharashtra  
Approved by AICTE, New Delhi, Affiliated to Savitribai Phule Pune University, Pune & MSBTE Mumbai

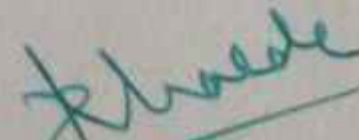


## Certificate

# Utsav-2k24

This is to certify that, Mr./Ms. Tushar Arwade  
of TE Mech has Participated in Academics/Sports/Cultural/Research  
Activity and secured 3rd prize in Goa championship Competition in  
"UTSAV-2k24" Organized by Shri Chhatrapati Shivaji Maharaj College of Engineering,  
Nepti, Ahmednagar on 15<sup>th</sup> March 2024.

  
**Prof. P. G. Nikam**  
Gathering Coordinator

  
**Dr. Y. R. Kharde**  
Principal





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**SHRI CHHATRAPATI SHIVAJI MAHARAJ**  
**COLLEGE OF ENGINEERING, NEPTI, A.NAGAR**



2<sup>nd</sup> National Level Conference  
and Technical Events

**I<sup>2</sup>ST- 2K24**

(INVENTIONS AND INNOVATIONS IN SCIENCE AND TECHNOLOGY)

*Certificate*

This is certified that Mr./Miss. ....*Akanksha Athare*.....has  
won the I/ II/ III Place/Participated in .....*Bridge Mania*..... competition of  
National Level Technical Event "**I<sup>2</sup>ST- 2K24**" organised by **Shri Chhatrapati**  
**Shivaji Maharaj College of Engineering, Nepti, Ahmednagar** on **04<sup>th</sup> and**  
**05<sup>th</sup>, April 2024.**

**EVENT COORDINATOR**  
I2ST- 2K24



**DR. Y. R. KHARDE**  
PRINCIPAL  
SCSMCOE, A.NAGAR





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's  
**SHRI CHHATRAPATI SHIVAJI MAHARAJ  
COLLEGE OF ENGINEERING, NEPTI, A.NAGAR**



**2<sup>nd</sup> National Conference  
Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)**

## *Certificate*

This certificate is hereby awarded to Mr./Mrs. Donta Gayatri Bhushailam  
of SCSMCOE, Nepti, A. Nagar as author of  
paper Partially Replacement of waste tyre crumb rubber with fine agg. in 2<sup>nd</sup>  
National Conference in **Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-  
2K24)** organized by **Shri Chhatrapati Shivaji Maharaj College of Engineering,  
Ahmednagar** on **04<sup>th</sup> and 05<sup>th</sup>, April 2024.**

**Event Coordinator  
I<sup>2</sup>ST-2K24**



**Dr. Y. R. Kharde  
Principal  
SCSMCOE, A. Nagar**





Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

SHRI CHHATRAPATI SHIVAJI MAHARAJ  
COLLEGE OF ENGINEERING, NEPTI, A. NAGAR



2<sup>nd</sup> National Conference  
Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)

## Certificate

This certificate is hereby awarded to Mr./Ms. Sapre Shraddha Janhaji  
of SCSM COE, Nepti, A. Nagar as author of  
paper Ecofriendly Storage structure for grains with optimum use of bamboo cross section in 2<sup>nd</sup>  
National Conference in **Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K24)** organized by **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** on **04<sup>th</sup> and 05<sup>th</sup>, April 2024.**

Event Coordinator  
I2ST-2K24



Dr. Y. R. Kharde  
Principal  
SCSMCOE, A. Nagar