



**PIMPRI CHINCHWAD EDUCATION TRUST'S**  
PIMPRI CHINCHWAD COLLEGE OF ENGINEERING AND  
RESEARCH



# Civil Department's



# MAGAZINE

2021-2022

# DEPARTMENT VISION

To be the spearhead of Civil Engineering Education, imparting exhaustive know-how to create proficient and accomplished global technocrats.

## MISSION OF DEPARTMENT

- M1:** To upgrade continuously, to develop state-of the art laboratories and advanced computational facilities and be ever resourceful to disseminate contemporary knowledge.
- M2:** To inculcate the zeal for research and innovation and to improve the quality of education and research.
- M3:** To enforce rigorous appraisals so as to identify strengths and key competencies.
- M4:** To enhance industry interaction to develop competent entrepreneurs and employable professionals.
- M5:** To cultivate ethics, social awareness, soft-skills and appreciation for cultural diversity to evolve a truly global community.

# From HOD's desk

Civil Engineering has to do with Civilization! With Civilization has developed Civil Engineering and with Civil Engineering has prospered Civilization! It is easily the oldest branch of Engineering. When the first human form thought of taking refuge in a cave, Civil Engineering was borne. Every man-made structure in this world is conceived, designed, constructed and maintained by Civil Engineers. A Civil Engineer is thus Vishwakarma of the modern world!

Civil Engineering is very versatile and diversified. It has many sub-disciplines such as; Structural Engineering, Water Resources Engineering, Environmental Engineering, Transportation Engineering, Foundation Engineering, Earthquake Engineering, Construction Engineering, Project Management etc. Civil Engineers could be entrepreneurs, offering consultancy to projects on varied scales. Civil Engineers could seek employment in Government, Semi-government and Private sectors, contributing to the growth of nation with their skills and services.

Civil Engineering Department at PCCOER has experienced, dynamic and dedicated faculty and state-of-art laboratories. We nurture our students with strong scientific and technical know-how and impart critical thinking skills on which, are founded their careers or higher studies. We endeavor to inculcate in our students, professional attitude, ethical values, creativity, leadership, innovative thinking, effective communication, team work, multidisciplinary approach and social awareness. The Department is committed to fostering a stimulating and intellectual environment in which both faculty and students excel in their professions.



*Dr. Sudarshan S. Bobade*

# Magazine coordinators



**SHREYAS THORAT**  
(SE CIVIL)



**Ashish Lohar**  
(SE civil)



**SWARAJ TAYDE**  
(SE CIVIL)

# TRAINING & PLACEMENT



Ms. Snehal Balasaheb  
Lande  
TCS & Capgemini  
Package-4 (LPA)



Mr. Prachil Pradip Kolhe  
TCS, Capgemini, &  
Cognizant  
Package-3.36 (LPA)



Mr. Ashutosh Bramhanand  
Mane  
Capgemini & Cognizant  
Package-4 (LPA)



Mr. Hariom Rajendra  
Shelke  
Capgemini & Wipro  
Package-4 (LPA)



Mr. Abrar Zameer Shaikh  
Wipro & Cognizant  
Package- 4 (LPA)



Mr. Prathmesh S. Tule  
TCS  
Package-3.37 (LPA)



Mr. Anand Digambar  
Shinde  
Cognizant  
Package- 4 (LPA)



Mr. Vaibhav Shivaji  
Gandhare  
Cognizant  
Package 4 (LPA)



Ms. Vaishnavi Deepak  
Chavan  
Aker Solution  
Package-4.5 (LPA)



Ms. Chetana K  
Parit  
Cognizant  
Package- 4 (LPA)



Mr. Sagar Rajendra  
Alibade  
Cognizant  
Package- 4 (LPA)



Mr. Vikas Pradip  
Suthar  
Cognizant  
Package- 4 (LPA)

# TRAINING & PLACEMENTS:



Mr. Vijay Anant Ware  
Cognizent  
Package- 4 (LPA)



Mr. Tushar Bramhadeo  
Nanaware  
Cognizent  
Package-4 (LPA)



Ms. Suraksha Harishchandra  
More  
Cognizant  
Package-4 (LPA)



Mr. Hemant patil  
Gate City Software  
Solutions Pvt  
Package- 2.6 (LPA)



Mr. Roshan Raju Bhoite  
Worley  
Package- 4 (LPA)



Mr. Saiganesh P. Gund  
Dassault Systemes  
Package- 5.5 (LPA))



Ms. Shruti Gaikwad  
Neilsoft  
Package- 3.5 (LPA)



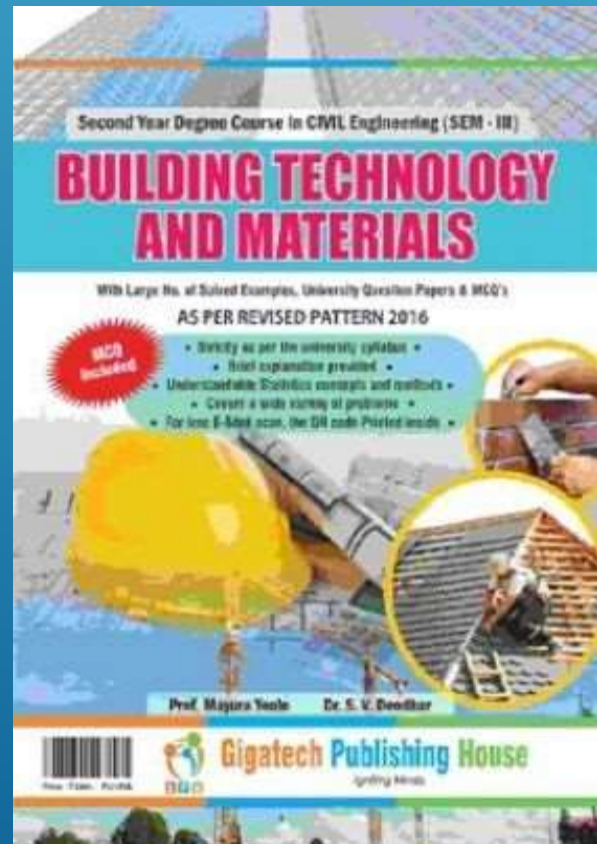
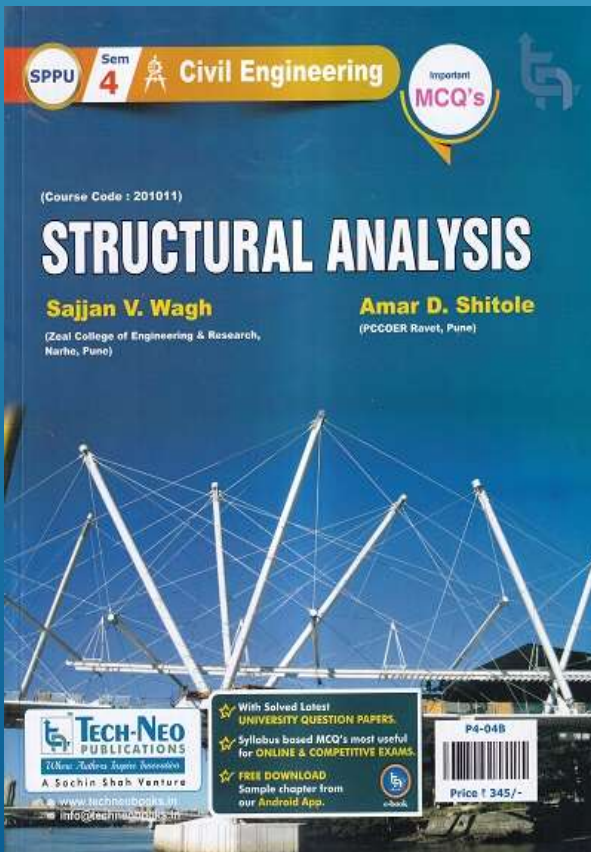
Ms. Ojaswi akolakar  
Neilsoft  
Package- 3.5 (LPA)



Mr. Sumit Shivaji  
Ghorpade  
Cognizant  
Package-4 (LPA)

# BOOKS PUBLISHED

AUTHOR NAME	BOOK NAME	PUBLISHER	ACADEMIC SEMESTER/U NIVERSITY	YEAR
Mr. Amar D. Shitole	Structural Analysis	tech-neo	Sem 4 -SE Civil Engg. (Savitribai Phule Pune University)	2021
Mrs Mayura M.Yeole	Building Technology and Architectural Planning	Technical Publication	Sem 3 -SE Civil Engg. (Savitribai Phule Pune University)	2021-22



# INDUSTRIAL VISITS:



Location-STP, Ganganagar Akurdi

Date-26/04/2022

Participants-TE students

Purpose-to study the working of treatment units in STP

Subject-Waste water engineering

# Industrial visits.



Sant tukaram sugar factory,  
Kasarsai, Pune  
Date-22-03-2022  
Target audience-BE civil



# GUEST LECTURES:

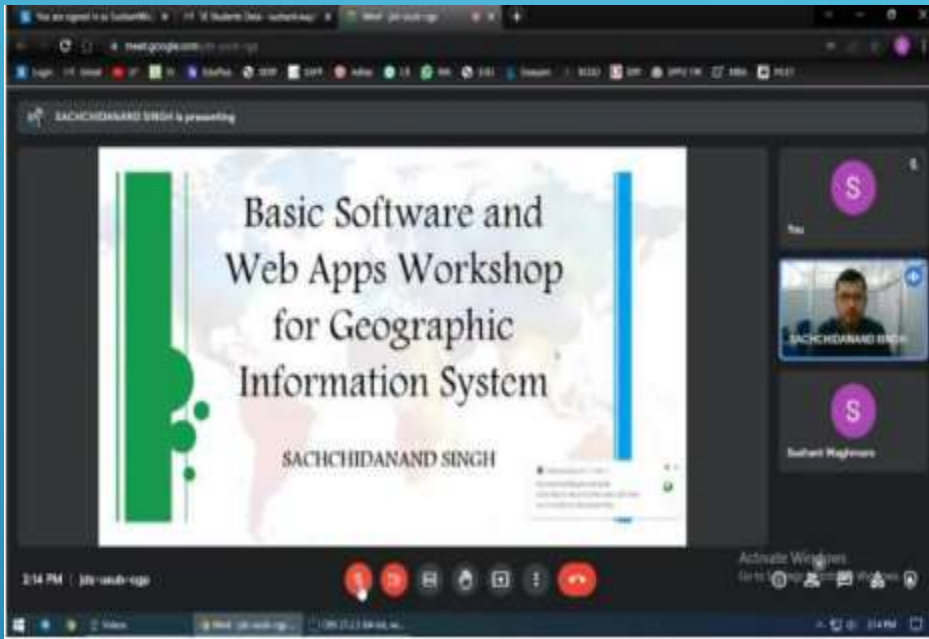


Expert lecture on 'planning and building permission'

Date-09/03/2022

Name of expert-Mr.Dipak Ramdas Karpe  
(Deputy engineer, Building permission,  
PCMC)

# Guest Lectures:



5 days workshop on applications of remote sensing and GIS  
in civil engineering

Venue-PCCOER, Ravet

Date-21-25 March 2022

Speaker- Sachchinand Singh

# GUEST LECTURES:



Expert lecture on Dimensional analysis  
Participants-SE students  
date-29/09/2021  
Name of expert-A.S.Ingale  
Venue-online mode google meet

# CESA Activities:

Name of Event: Technomanager.

Date of Event: 25<sup>th</sup> of March, 2022

Description of Event:

Technomanager was a technical event held under the umbrella of Technovate 2022 where there were about 7 groups of participants. As per rule, the chief guest gave a problem Statement on which students have given their solution. The group with best solution were given prize.

Winner- 1. Saurabh Veer, Rohit Borude, Onkar Pawal.

2. Roshan Bhoite, Ashutosh Mane, Vikas Suthar

3. Kalyani patil, Vishakha Desale, Sapna Bhoir, Amruta Magdum

Student Co-ordinators: Diya Kherudkar, Avantika Thosar, Dhanashree Navale,

Nikhil Sahadev.



# CESA Activities:

**Name of event:** Techno manager

**Participants/Audiences:** Civil Engineering students of PCCOER

**Venue:** Online (Google Meet)

**Date:** 19<sup>th</sup> of November 2021

**Objective of the event:** To increase decision making power



# COPYRIGHTS Filed

<b>Name of Author</b>	<b>Title of Copyright</b>	<b>Copyright Registration Number</b>	<b>Date of Copyright Registration</b>
Sahil Sanjeev Salvi	Optimization Of Reservoir Operation for Irrigation Using Fuzzy Logic	L-104439/2021	14/06/2021
Sahil Sanjeev Salvi	Experimental Investigation of Bond Strength in Steel Fibre Reinforced Concrete	L-104616/2021	18/06/2021
Sahil Sanjeev Salvi	Experimental Investigation by Use of Granite Fine Waste in Concrete	L-105315/2021	12/7/2021
Sahil Sanjeev Salvi	A Study of Waste Plastic Used In Paving Block	L-105278/2021	9/7/2021
Mayura Yeole	Road Traffic Accident Prediction for Mixed Traffic Flow- A Case Study	L-105194/2021	7/7/2021
Akshay Rahane	Ferrocete Roof Slab System	L-104542/2021	17/06/2021
Akshay Rahane	To Enhance the Strength of Concrete By Partial Replacement Of Coarse Aggregate with Tile Waste	L-105094/2021	6/7/2021
Mrs. Mayura M. Yeole	Traffic Simulation Using VISSIM Software- A Case Study	L-104622/2021	21/06/2021
Rahul Patil	Improvement In Shear Strength In Soil Using Bitumen Emulsion	L-107204/2021	2/9/2021
Rahul Patil	Automatic Water Distribution For Smart Cities	L-107203/2021	2/9/2021
Sahil Sanjeev Salvi	Application Of Eco-Enzymes For Domestic Waste Water Treatment	L-107628/2021	15/09/2021
Sahil Sanjeev Salvi	Quality Assurance And Quality Control For Project Effectiveness In Construction And Management	L-107528/2021	14/09/2021
Sahil Sanjeev Salvi	Production Of Biodiesel From Sunflower Oil	L-107367/2021	8/9/2021

# *JOURNAL PAPERS*

## *PUBLISHED By Faculties*

<b>Name of Author</b>	<b>Name of Journal</b>	<b>Title</b>
Prof. Sudarshan S. Bobade	Civil Infrastructures Confronting Severe Weathers And Climate Changes Conference – Geochina 2021	Comparative Evaluation Of Morph Metric Parameters On Runoff Estimation Of Savitri Watershed
Prof. Sudarshan S. Bobade	Geochina 2021	A State Of The Art Review Of Buckling Restrained Brace: History, Application And Design
Prof. Sushant Waghmare	Materialstoday:Proceedings	Studies on computing compressive strength of zeolite blended concrete using multiple regression analysis
Prof. Sudarshan S. Bobade	ASCE's Journal of Performance of Constructed Facilities	Investigation to improve the quality and performance of water and soil conservation projects - Satara a case study
Prof. Mayura Yeole	Accident Prediction Model for Mumbai-Pune Express Way	International Journal of Mechanical Engineering
Prof. Mayura Yeole	Prediction of Road Accident Using Artificial Neural Network	International Journal of Engineering Trends and Technology
Prof. Sahil Salvi	Investigating Conventional Concrete using Rice Husk Ash (RHA) as a Substitute for Finer Aggregate	IOP - Journal of Physics: Conference series

# Patents Filed

Name of Inventors	Title of Patent	Patent Number/Application No.	Date of Patent Filing/Registered
Mr. Sahil Sanjeev Salvi Mr. Sudarshan S. Bobade	Pull-Test Apparatus For Iron Bar Reinforced Concrete To Measure Bond Strength	202221010580	28/02/2022
Mr. Sushant Vilas Waghmare Mr. Amar Devendra Shitole	Collapsible Speed Breakers For Emergency Vehicles	202221010583	28/02/2022
Mr. Satish Avaba Pitake Mr. Sudarshan Sampatrao Boabde	Customized Pen With Hand Sanitizer Gel Dispenser	202221010727	28/02/2022
Mr. Sahil Sanjeev Salvi Mr. Sudarshan S. Bobade	Smart Disinfection System for Escalator Handrail	202221010617	28/02/2022
Mr. Akshay Bharat Rahane Mr. Sudarshan S. Bobade Mr. Akash G. Gunjal	An Intelligent opening control system for windows	202221010615	28/02/2022
Mr. Anand Basavaraj Kudoli	Sloping Base Water Storage Tank	202221010592	28/02/2022
Mr. Rahul Shahaji Patil	Automated Water Discharge Unit for Residential Buildings	202221010611	28/02/2022
Mr. Sahil Sanjeev Salvi	Automatic Adjusting Chair For Comfortable Seating Without Using Hands	202221010577	28/02/2022
Dr. Sameer Subhash Sawarkar	Accindicator – Vehicle Acceleration Indicator For Road Crossing Pedestrians	202221010529	28/02/2022
Mrs. Mayura Milind Yeole	Oozing Out Milk From Containar During Heating	202221010529	28/02/2022
Mr. Sudarshan S Bobade Mr. Amar D Shitole Mr. Sushant V Waghmare	Automated Speed Limit Alert System	202221010507	28/02/2022
Mr. Akash Gangadhar Gunjal Mr. Sudarshan Sampatrao Bobade Mr. Akshay Bharat Rahane	Auto Trimming Off Of Charging Of Chargeable Devices After Attaining Required (Set) Percentage	202221010596	28/02/2022
Mr. Amar D. Shitole Mr. Sushant V. Waghmare Mr. Sudarshan S. Bobade	Illustrative Model For Neutral Axis Depth Concept In Rcc Beam	202221013796	14/03/2022
Mrs. Priyanka Garg,Dr. Vaibhav Garg, Mr. Sudarshan S. Bobade,	Grating For Storm Drain	354595-001	9/12/2021



# 17 Journal paper published by students

Name of Student	Title	Name of Guide	Name of Journal	Vol/Issue, Page No.	Academic Year
Abhijit Patil	A Review: Lifecycle Assessment of a Building by Using BIM	S.S.Salvi	International Journal For Research In Applied Science And Engineering Technology	Volume 10 Issue I	2021-22
Vikas P. Suthar	Watershed Management of Purandar Tahuka by Remote Sensing and GIS: A Review	S.S.Salvi	International Journal For Research In Applied Science And Engineering Technology	Volume 10 Issue I	2021-22
Shubhangi Waghmare	Review on Bio-Medical Waste Management	S.S.Salvi	International Journal of Engineering Research and Technology	Vol. 11 Issue 01	2021-22
Utkarsh Bhosale	Feasibility Study of Wind Power Plant at High-Rise Buildings	Anand B. Kudoli	Journal of Interdisciplinary Cycle Research	Vol. 14 Issue 04	2021-22
Ojaswi Akolkar	Feasibility Study Of Hydropower Plant At Thoseghar Waterfall As A Case Study	Anand B. Kudoli	Journal of Interdisciplinary Cycle Research	Vol. 14 Issue 04	2021-22
Roshan Bhoite	Watershed Management of Purandar Tahuka By Using Remote Sensing & GIS	S.S.Salvi	Journal of Interdisciplinary Cycle Research	Vol. 14 Issue 05	2021-22
Abhijit Patil	Lifecycle Assessment of Residential Building Using BIM	S.S.Salvi	Journal of Interdisciplinary Cycle Research	Vol. 14 Issue 05	2021-22
Mayur Garode	Logistic Management of Municipal Solid Waste In PCMC Region-Case Study	M. M. Yeole	Journal of Interdisciplinary Cycle Research	Vol. 14 Issue 05	2021-22
Snehal Lande	Air quality index – A comparative study for assessing the status of air quality before and after lockdown for Pimpri Chinchwad	Amar Shitole	Journal of Interdisciplinary Cycle Research	Vol. 14 Issue 05	2021-22
Shubham Bugad	Nylon Reinforced Cement Sheets	Amar Shitole	International Journal For Research In Applied Science And Engineering Technology	Vol. 10 Issue 06	2021-22
Bhūmika Satpute	Intelligent Transportation System	Akash Gunjal	International Journal For Research In Applied Science And Engineering Technology	Vol. 10 Issue 05	2021-22
Bhūmika Satpute	Web Application for Road Geometric Design	Akash Gunjal	International Journal For Research In Applied Science And Engineering Technology	Vol. 10 Issue 05	2021-22
Prachi Pradip Kolhe	Conversion of Existing Room into Green Room	Prof. Akshay B. Rahane	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Vol. 10 Issue 05	2021-22
Sakshi Ashok More	A Comparative Study of Cement-Treated Sub-Base and Granular Sub-Base	Prof. Akshay B. Rahane	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Vol. 10 Issue 05	2021-22
Sagar R. Alibade	Parametric Study of Compressive Strength of Concrete Using Glass and GGBS	Prof. Rahul S. Patil	Journal of Interdisciplinary Cycle Research	Volume XIV, Issue V	2021-22
Snehal Sanjay Tipale	Performance Evaluation of Bamboo Reinforced Concrete Beam	Prof. Satish A. Pitake	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Vol. 10 Issue 05	2021-22
Sakshi Pandurang Tarapore	Design of Water Supply Scheme for Bisur Village	Prof. Satish A. Pitake	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Vol. 10 Issue 05	2021-22

# Arts and Gallery



Kalyani Patil  
BE Civil



Diya Kherudkar  
BE Civill

# Arts and Gallery



Diya Kherudkar  
BE Civil



Kalyani Pati  
Be civil

## ► *Students Achievements*

*We are glad to announce that a few of our students from the Civil Department achieved marvellous feat at YUVAK MAHOTSAV organised by Savitribai Phule Pune University 2022*





*SHREYAS THORAT  
(SE CIVIL): SECOND  
WESTERN VOCAL*

*SWARAJ TAYDE(SE CIVIL):  
SECOND MIME GROUP ACT*



*SAURABH NIKUMBH(TE CIVIL):  
SECOND POSTER MAKING*

## DEPARTMENT TOPPERS(SE)

Sr no.	Exam Number	Name of Student	CGPA
1	S191220011	CHAUDHARI AISHWARYA NILESH	9.02
2	S191220029	SHREEYASH SANJAY KHARAT	8.84
3	S191220066	LALIT BALA SINALKAR	8.66
4	S191220050	TEJAS SANJAY PATIL	8.61
5	S191220016	DASPUTE ROHIT SHIVAJIRAO	8.43
6	S191220017	GAIKWAD JYOTI KISHOR	8.43
7	S191220063	SONAL SANJAY SHINDE	8.39
8	S191220003	AMBAD SHUBHANGI ADINATH	8.36
9	S191220034	MANE ABHIJEET RAMESHWAR	8.27
10	S191220054	SIDDHESH ARVIND RANE	8.27

## DEPARTMENT TOPPERS(TE)

Sr no.	Exam Number	Name of Student	CGPA
1	T191220077	Veer Saurabh Dattatraya	9.86
2	T191220048	Mane Sanket Sunil	9.6
3	T191220079	Waghmare Shubhangi Balaji	9.6
4	T191220060	Patil Nishant Rajendra	9.55
5	T191220025	Banpatte Ganesh Gangaram	9.5
6	T191220026	Gore Saurabh Mahadev	9.5
7	T191220037	Katkar Sanchita Avinash	9.5
8	T191220078	Thombare Vikas Uttamrao	9.5
9	T191220004	Avaghade Gaurav Kailas	9.48
10	T191220053	Nanaware Tejal Avadhut	9.48

A group of four students, three girls and one boy, are wearing yellow hard hats and dark blue school uniforms with red ties. They are gathered around a wooden table on a construction site, looking intently at a red blueprint. The background shows a building under construction with scaffolding and rebar.

A KEY TO BUILD  
SUSTAINABLE FUTURE

# CIVIL ENGINEERING

*Thank you so much.  
For reading*