



# KSHITIJ

## TOUCHING NEW SKIES

**We at CiESA believe in continuous improvement and periodic change. We aspire to deliver the demands of our community members in the best possible way!**

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Issue no: 1  
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- ***Vision of the Institute***

**To serve the Society, Industry, and all the stakeholders through Value-Added Quality Education.**

- ***Mission of the Institute***

To serve the need of society at large by establishing state-of-the-art Engineering, Management, and Research Institute and impart Attitude, Knowledge, and Skills with Quality Education to develop individuals and teams with the ability to think and analyze right values and self-reliance.

- ***Vision of the Department***

To be recognized as one of the leading departments in respect of professional education and innovation in the western region.

- ***Mission of the Department***

To develop a multidisciplinary approach to relate civil engineering challenges to social and human context through team spirit, the right attitude, morals, and higher education.

- ***PEOs of Civil Engineering***

I. To impart sound academic fundamentals among the students to formulate, analyze and solve civil engineering problems.

II. To develop students' ability to adapt and apply recent trends in civil engineering.

III. Prepare the students for the challenging needs of the civil engineering profession and higher academic pursuits.

IV. To develop professional ethics among students for functioning as an individual or in a team for the betterment of society and the environment.

- ***PSOs of Civil Engineering***

The graduate will be able to apply necessary Civil Engineering knowledge, skillsets for quality construction work in infrastructural and industrial development.. II. The graduate will be able to demonstrate the skill sets required for entrepreneurs in civil engineering.

- ***POS of Civil Engineering***

Civil Engineering Graduates will be able to :

***1. Engineering Knowledge :***

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex civil engineering problems.

***2. Problem Analysis :***

Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, physics, chemistry, and engineering geology.

***3. Design / Development of Solutions :***

Design solutions for complex civil engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations .

***4. Conduct Investigations of Complex Problems :***

Use research-based knowledge and research methods including design of experiments, analysis, interpretation of data, and synthesis of the information to provide valid conclusions.

## **5. Modern Tool Usage :**

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex Civil engineering activities with an understanding of the limitations.

## **6. The Engineer and The Society :**

Apply to reason informed try the contextual knowledge to assess social issues the water management, waste management, air & water pollution, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice

## **7. Environment and sustainability :**

*Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.*

## **8. Ethics :**

*Apply ethical principles and commit to professional responsibilities and norms of the engineering practice.*

## **9. Individual and teamwork :**

*Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.*

## **10. Communication :**

*Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.*

## **11. Project management and finance :**

*Demonstrate knowledge and understanding of the Civil engineering and Construction management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.*

## **12. Life-long learning :**

*Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.*





## Message from HoD Desk

It is rightly said that to date humans are on this planet, Civil Engineering will exist, to fulfill the basic and all kinds of infrastructural requirements of human beings. Civil Engineering is the mother and most significant branch of Engineering. A Civil Engineer is the most civilized personality; he/she handles all the challenges, problems which are natural or human-made and provides effective solutions to them. To enrich these skills in our students, we have come up with certain unique methodologies like on-site training by professional organizations, hands-on experience, site visits, guest lectures by government and private planners, consultants builders, and contractors. The specialty of the department is that we make students think in an innovative way to give solutions to different challenges through seminars and projects. We provide a platform for their creative thinking, planning, designing, and execution of ideas. We also promote students for entrepreneurs, private & government jobs and to opt for higher education, to enrich them with decision making power.



*- Dr. Sandip T. Mali  
Hod Civil Engineering*

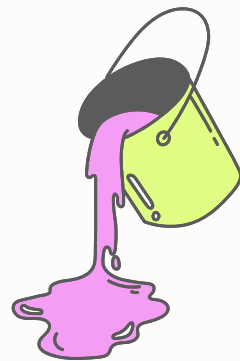
## EDITORIAL TEAM



**Editor in chief-**  
**Ms. Sawani Anwale**

**Executive Editors-**  
**Mr. Shrutam Chhallani**  
**Mr. Pratham Agarwal**

**Associate Editors-**  
**Mr. Prathamesh Gurav**  
**Ms. Vedangi Patil**



# Art & Craft





## ❁ बहाना ❁

नदी का बहना तो बस बहाना है  
 सागर से मिलने जो जाना है ॥  
 पंछियों का चहकना तो एक तशना है  
 आपकी मौजूदगी का एहसास जो कश्वाना है ॥  
 कलियों का खिलना तो बहाना है  
 खुदकी आपसे खुबसूरत जो बताना है ॥  
 आंखों का थुं झुकना तो एक फसाना है  
 मन की बातों को मन में जो छुपाना है ॥  
 मन का मचलना तो एक बहाना है  
 आपकी थादों से जो खोना है ॥  
 आपका हमसे खटना तो गवाश है  
 बादसे मनाने तो हमें हि आना है ॥

~ रुद्रदर्शन ~

## \* जाते तुमचे आमचे \*

गुलाबची कळी अमलाची जशी  
 जातेवेली आपुली अशाची तशी  
 दुःखात तुमच्या आसवे आमची अशाची  
 तुमच्या दारी सुखाची बहार सहाची  
 बंध आपुलकीचे मनी खजवूया  
 एकजुटीने सारे आनंदी राहूया  
 मन आपुले हे स्फटिक अशावे  
 विचार निर्मळ नित्य झिरपावे  
 वाणीमध्ये आपुल्या अमृत वसावे  
 बोलणे मद्याळ कानी ऐकु यावे  
 एकमेकांसवे जीवनी रंगूया  
 जाते तुमचे आमचे मिळूनी जपूया...

~ रुद्रदर्शन ~

## \* शंकोच \*

आवडते ती जशी,  
 मनाला भलतीच worry!  
 प्रेम आहे की attraction,  
 की आहे नुसतं affection!  
 बोलणे जशी नेहमीची किटपीट  
 कानी येता वाढे heartbeat!  
 तिच्याही मनी आपण असू,  
 नसेल काही भलते फसू,  
 मनामध्ये असता शंकोच  
 कोण करेल approach...

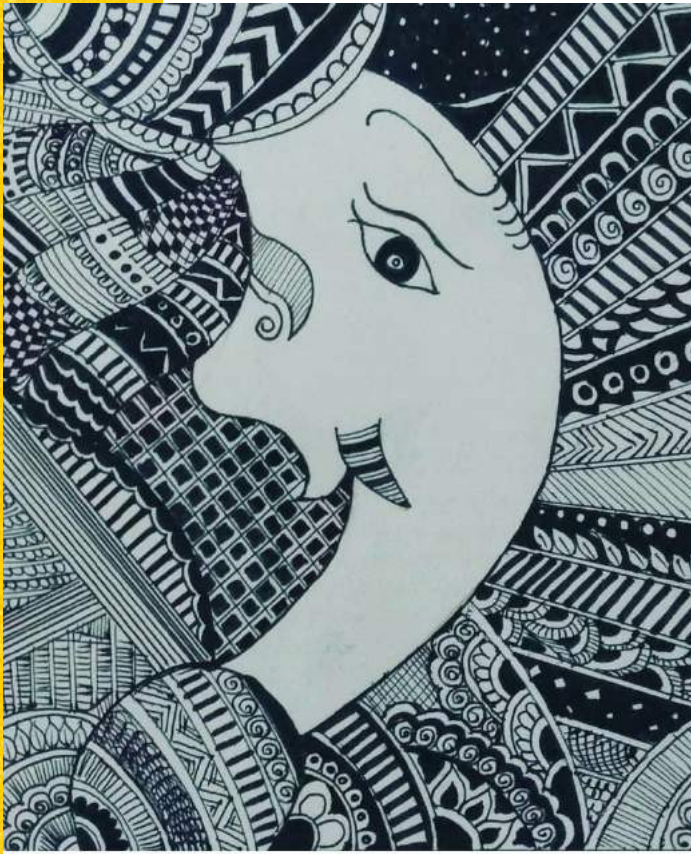
~ रुद्रदर्शन ~

Inspire to conquer!

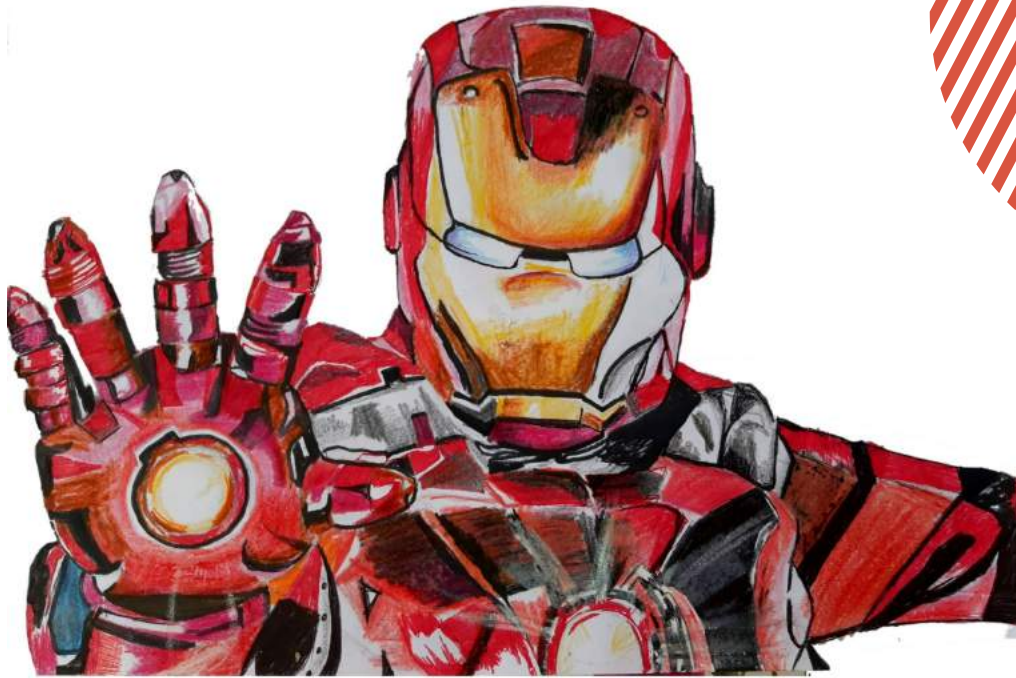
~ रुद्रदर्शन ~











चिन्मयपौफळे



चिन्मयपौफळे







# *achievements*



**a) UG Civil Student's Internship (No. of Students: 05)**

Sr No.	Name of the Student	Name of the Company	Duration
1	Nayan Patil	Sukhwani Skylines	30 days
2	Kushal Kirve	Sukhwani Skylines	30 days
3	Vikram Jadhav	Sukhwani Skylines	30 days
4	Asawari Lohar	SLABS	30 days
5	Tushar Gavhane	SLABS	30 days

**b) UG Civil Placement for AY 2020-21 (No. of students: 08)**

Sr No.	Name of the Student	Name of the Company	Academic Year
1	Pushkar Patil	Cognizant	2020-21
2	Sayli Mahajan	Ceyone Technologies	2020-21
3	Rahul Patankar	Neilsoft	2020-21
4	Tushar Gavhane	Neilsoft	2020-21
5	Aishwarya Karle	Paperpedia Pvt. Ltd	2020-21
6	Apurva Shinde	Paperpedia Pvt. Ltd	2020-21
7	Suraj Kedar	Paperpedia Pvt. Ltd	2020-21
8	Amarnath Tayade	Godrej & Boyce	2020-21

**Students Paper Presentation and Publication**

**A. UG Civil students (No. of Students:01)**

**SE Civil**

1. Prasad Sonar, SE civil students published technical paper on "Generation of Electricity using wind energy produce by option of train and used for Rural development" at International Research Journal of Engineering and Technology (IRJET) Volume 8, Issue 05/05/2020.
2. Suraj Sudhakar Ghewande of SE Civil has participated in Entrepreneurship webinar by Mr. Manik Dua organised by Institution's Innovation Council by Dept. Of Mechanical Engg. and Civil Engg.
3. Mayur Shinde of SE Civil has participated in webinar on construction site practices by Mr. Parimal Marathe, organised by CSMMS CHH, Aurangabad.
4. Prasad Sonar of SE Civil has participated in Global Ideathon International Entrepreneurship Event organised by Sri Sri University and winner of Best Innovative Idea at Online State level AVISHKAR-2020 project competition during 26/05/21-30/05/21 organised by Zeal College of Engineering, Pune.



## **TE CIVIL**

1. Pranaili Suryawansh of TE Civil has participated in Five days of Online STTP on Geospatial techniques (RS & GIS) for water resources management with QGIS from 04/03/21 to 08/03/21 organized by Civil Engg. Dept., RHS CoE Nashik
2. Sumedh Aher of TE Civil participated in Five days Online STTP on Geospatial techniques (RS & GIS) for water resources management with QGIS from 04/03/21 to 08/03/21 organized by Civil Engg. Dept., RHS CoE Nashik.
3. Simran Khan of TE Civil participated in Webinar on Evaluating Pre and Post development of Urban Storm Designs organized by Bentley Institute.
4. Chetan Shavanti of TE Civil participated in Webinar on Waterproofing and Repair of building structures from 19/10/21 to 21/10/21 organized by Civil Engineering, PCCOE.

## **BE CIVIL**

1. Kiran Shelar of BE Civil Participated in the event on Climate change organized by Manjhi Vasundhara Mitra Environment and Climate Change and also attended webinars on tendering and execution of works organized by PCCOE Ravet.
2. Swapnil Valekar of BE Civil participated in Webinar on Tendering and Execution of Works on 19/05/21 organised by PCCOE Ravet Pune.
3. Mrunal S. Pophale of BE Civil Participated in Hackathon'21 from 08/06/21 to 27/06/21 organized by Indian Institute of Information Technology Pune and also won 1st prize in Article Writing competition on 05/06/21 organized by Shrishti Club on Occasion of World Environment.
4. Amarnath Tayade of BE Civil participated in e-tendering on 29/04/21-30/04/21 organized by National Level NIRMITEE.
5. Samruddhi Patil of BE Civil received 1st prize for presenting the project on ecological bricks in Project Presentation Competition Pioneer Bricks 2021 under ISTE, she also participated in Cluster level i-2-e competition on 16/02/21-18/02/21 organized by Centre for Innovation, Incubation & Enterprise, was 1st runner up in A technical presentation competition EnVision 2021 organized by Dept. of Civil and Environmental Engg KIT's CoE, Kolhapur.
6. Samruddhi Patil of BE Civil participated in a poster competition on the occasion of World Environment Day, IWWA Mumbai Centre, was runner up, Pitch Hunt and Project Exhibition on 29/04/21-30/04/21 April organized by National Level Civil Engg. Symposium Nirmitee 2021
7. Samruddhi Patil of BE Civil participated in a project presentation organized by International Civil Engg. Symposium At. AAKAAR 2021, participated in build O' innovate organized by ACE, IIT Patna, also received 1st prize in a paper presentation organized by Aakruti 2021, Nalla Malla Reddy Engineering College and participated in National level online Project Competition, Paper presentation on Eco bricks during 24/06/2021- 26/06/2021 organized by Civil WITchar 2021, Walchand Institute of Technology, Solapur.
8. Aishwariya Karle & Pooja Poossery of BE Civil participated in Build O' Innovate organized by ACE, IIT Patna.
9. Sayali Mahajan of BE Civil participated in Build O' Innovate organized by ACE, IIT Patna, She got the third prize in E-poster competition under theme 2: Structural development category on topic Recent Advancement in Sustainable development and Structural development in November 2020 organized by CESA in collaboration with EI and IC-ACI, Terna Engineering College, Nerul.
10. Renuka Kurepatil of BE Civil participated in an E-poster competition under theme 2: Structural development category on topic Recent Advancement in Sustainable development and Structural development on November, 2020 organized by CESA in collaboration with IEI and IC-ACI, Terna Engineering College, Nerul and won 3rd Prize

## **Extra-Curricular Events UG Civil SE, TE and BE Students Participation**

### **SE CIVIL**

1. Nikita J. Patil of SE Civil participated in a Photography competition held on World Water Day on 22/03/21 ; Rangoli Competition on the occasion of World Environment Day June 2021 ; Ankahi Baatei Ankahi Baatei Season II 14/03/21; International Day Yoga Quiz (2021) held by Dept. of Civil Engineering, PCCOE Pune; Art Circle, PCCOE Pune; CESA, Civil Dept, PCCOE Pune; Ministry of Ayush & My Gov respectively.
2. Suraj Sudhakar Ghewande of SE participated in Civil Entrepreneurship webinar by Mr. Manik D. Institution's Innovation Council by Dept. of Mechanical Engg. And Civil Engg.

### **TE CIVIL**

1. Shivam Bondre of TE Civil participated in a Blog writing competition organized by Art Circle, PCCOE Pune, and won 1st Prize.

### **BE CIVIL**

1. Kiran Shelar of BE Civil won 2nd prize in Essay Competition on Marathi Language (Heartfulness Essay Event) organized by Shri Ramchandra mission, UN Information Centre, and Heartfulness Education Trust.
2. Swapnil Velekar of BE Civil participated in Heartfulness Essay Event organized by Shri Ramchandra mission, UN Information Centre and Heartfulness Education Trust.
3. Mrunal S. Pophale of BE Civil participated in a Poster Exhibition organized by NSS, Art Circle on Occasion Of Netaji Subhash Chandra Bose Jayanti on 23/01/21, PCCOE Pune, She also won 1st prize in Photography competition held on World Water Day on 22/03/2021 organized by the Dept. of Civil Eng, she participated in Ankahi Baatein Season II on 14/03/21 CiESA, Civil Dept, PCCOE Pune.

## **Online course completed by UG civil SE, TE, BE, students.**

### **SE Civil**

1. Prasad Sonar of SE Civil participated in Global Ideathon International Entrepreneurship Event on 07/08/21 -09/08/21 Best Innovative Idea at Online State level AVISHKAR-2020 Project Competition during 26/05/21-30/05/21 held by Sri Sri University , Zeal College of Engineering & Research, Pune respectively.
2. Isha Mali of SE Civil participated in Introduction to Open Flow Water GEM held on 30/03/2021.
3. Pratham Agarwal of SE Civil participated in Introduction to Open Flow Water GEM.
4. Shrutam Chhallani of SE Civil participated in Introduction to Open Flow Water GEM 30/03/21.
5. Prasad Sonar of SE Civil AUTOCAD for design and drafting Autodesk design academy 14/08/21.

### **TE Civil**

1. Nikhil Devidas Bhanavse of TE Civil participated in Online Course on GIS conducted by Indian Institute of Remote Sensing, ISRO Dehradun, 28/09/21 to 15/09/21; Municipal Solid Waste Management in Developing Countries EPFL Coursera 12/07/2020 .
2. Mayuri Dake of TE Civil Successfully completed online training on Structural designing using STAAD PRO- NSIC Under Enflare technology 15/05/21 -29/05/21 Industry Ready Civil RCC Module – Know How Online Learning 09/02/21 to 04/02/21.
3. Simran Khan of TE Civil Industry Ready Civil RCC Module – Know How Online Learning Know How Online Learning 09/02/21 to 04/03/21.

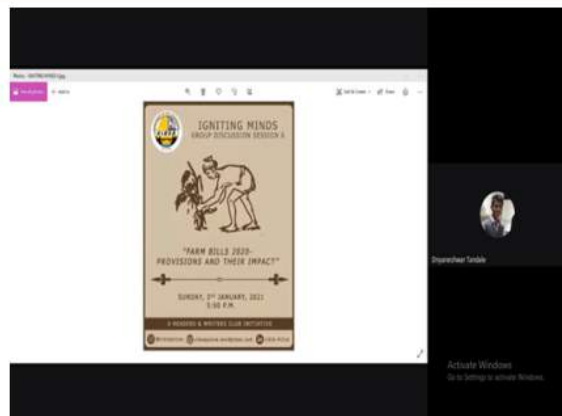
### **BE Civil**

1. Kiran Shelar of BE Civil Introduction to Engineering Mechanics from Georgia Institute of Technology- Coursera 01/06/21



# Ciesa's Activity





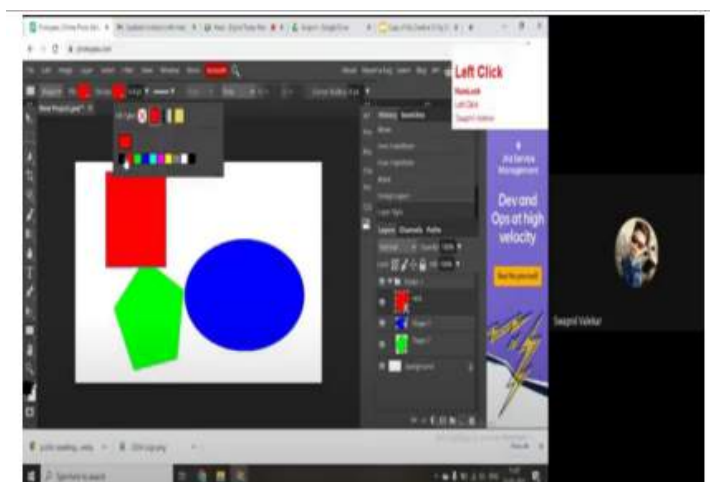
- Igniting Minds - Session 6: Farm Bills 2020- provisions and their impact

- Week of surprises



- Hands-on training of Digital Poster Making using Photopea

- Participants practiced with the software Photopea.

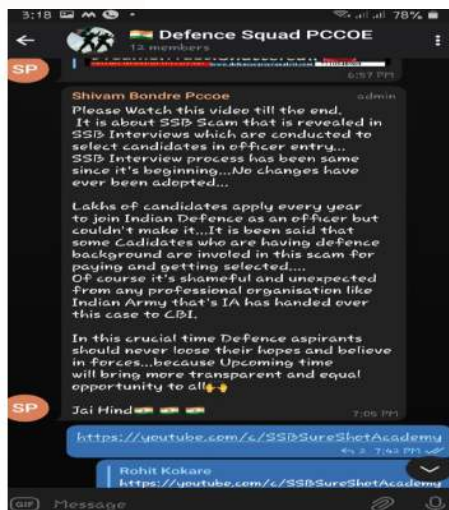
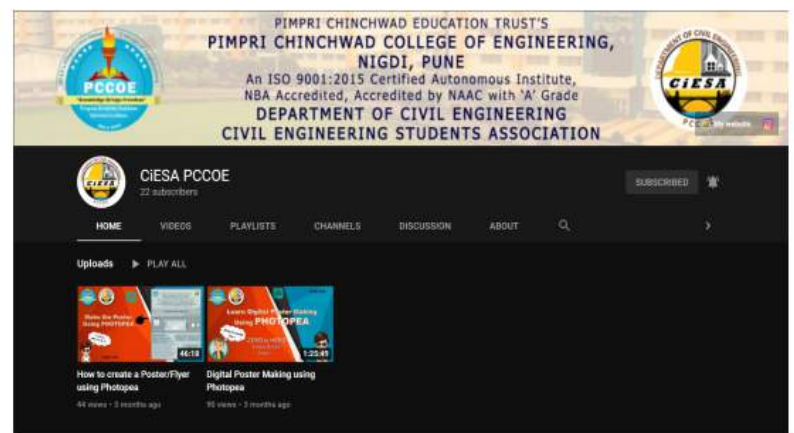






- International Women's Day celebration

- Launching YouTube Channel- To provide a platform to our community members to ENHANCE, EXCEL & EMPOWER!



- Formation of Telegram groups for Defense Services, MPSC, CSE

- Ankahi Baatein II- To provide the platform for students to express their story, poet, shayari, etc Photo Contest- Importance of Water

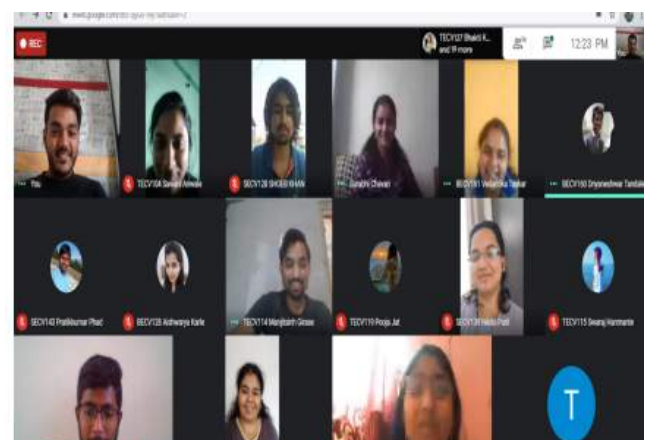




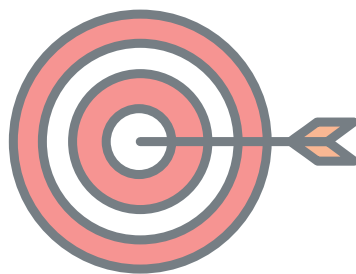
Photo contest

Guest Lecture- Water Conservation: To aware people regarding water conservation

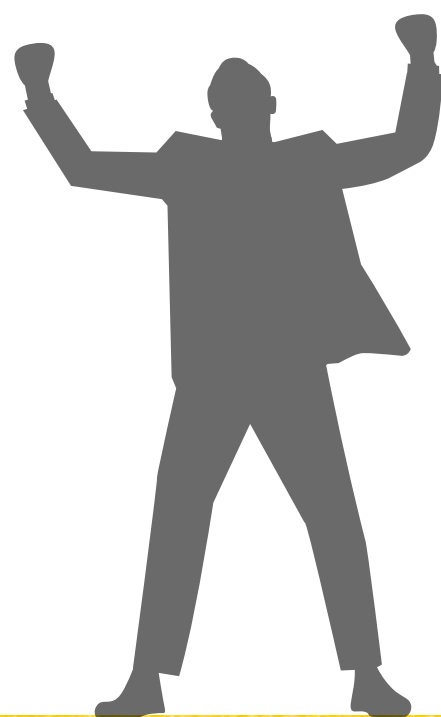


Guest Lecture- Membrane Technologies in Water Treatment: To introduce concept of membrane technologies in water treatment



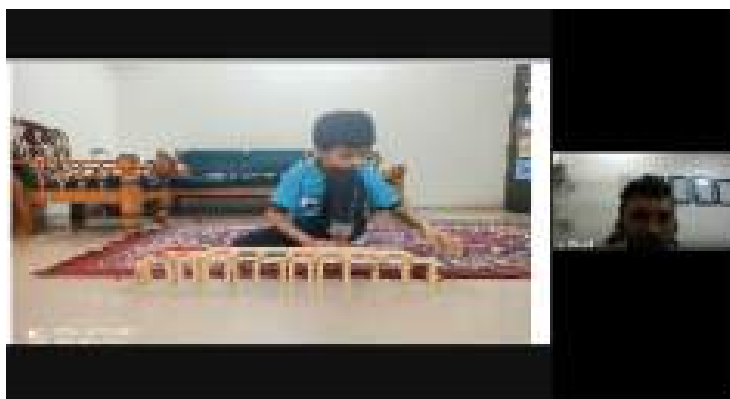


# Guest Lecture



Guest Lecture webinar organized for TE Civil Students on 'Overview of Water Distribution Network' by Mrs. Deepali R. Vaidya, Assistant Professor, SKN, SIT, Lonavala under subject Water Supply Engineering on 31/05/2021. Webinar coordinated by Dr. S.T. Mali.

Guest Lecture webinar organized for SE Civil Students on 'Introduction of software related to civil engineering'

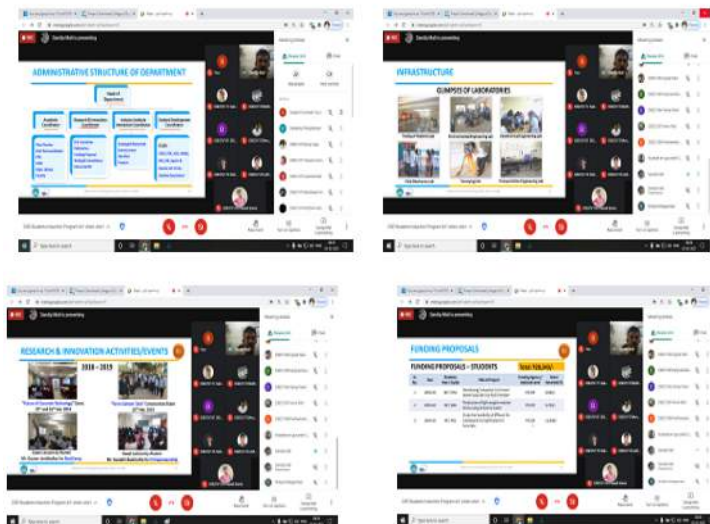


Guest Lecture webinar organized for TE Civil Students on Session on "Introduction to Project Based Learning (PBL) activity (A new course in SE Civil Curriculum)" by Dr. S. T. Mali.

Guest Lecture webinar organized for TE Civil Students on Session on "Importance of Geotechnical Engg. Subject as a Consultancy services by Bhumi Research Center" by Mr. Pratik Kothiyai.







"Induction Program for DSE Civil Students"

BE Induction cum career orientation program





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