



KSHITIJ

TOUCHING NEW SKIES

We provide a platform to our community members to enhance, exhale and empower.

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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Achievements

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 department 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. To 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

- I. 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 skill sets required for entrepreneurs in civil engineering

POs of Civil Engineering Department

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, and 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 society:

Apply to reason informed by the contextual knowledge to assess societal issues like 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 ethics and 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

It is rightly said that till 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 mother and most significant branch of Engineering. A Civil Engineer is a most civilized personality; he/she handles all the challenges, natural or human-made problems, and provides effective solutions to them. To enrich these skills in our students, we have come 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. 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

- Mr. Viraj Bhandari

Executive Editors

- Ms. Vedantika Taskar
- Mr. Shubham Chaudhari

Associate Editors

- Ms. Samruddhi Patil
- Ms. Pratiksha Warule

The image features a vibrant, abstract background composed of overlapping, semi-transparent shapes in bright yellow, blue, and orange. On the left side, there are fan-like structures made of multiple thin, pointed segments in blue, orange, and red, radiating from a central point. The text "ART AND CRAFT" is prominently displayed in the center-right area, rendered in a large, bold, sans-serif font with a thin black outline. The words are stacked vertically: "ART" on the top line, "AND" in the middle, and "CRAFT" on the bottom line. The overall composition is dynamic and colorful, suggesting a theme of creativity and design.

ART

AND

CRAFT

HEALTHY HABITS OF SUCCESS

I have often heard people say that life is all about the choices we make. Every decision made by us creates an impact that can affect us immediately, a few days later, or even when we think it has long passed. Good or bad, the effects of such things can be limited for particular occasions or may have a lasting impact on ourselves. It is then when we realize what a moment is worth. The state of our mind every moment, our ability to control it, and its effectiveness while making difficult choices quickly is what decides the output of our life. It is a complex task, to analyze the way our mind functions and how we conclude a thought. There is no certain answer to this but what we do know is that when we make a choice that is true to our understanding, taken with full authority and understanding its influence on our lives and that of others while completely being in our zone, we can take accountability for it and lead way for the process and result that follows.

We need to internalize this idea of excellence. Not many folks spend a lot of time trying to be excellent. -Barack Obama

I have had long discussions with my friends and colleagues about how do we define excellence and perfection. Both the words may have different meanings but both are similar in numerous ways and have a large role in our daily life. Both excellence and perfection are driven by the passion of our goals, the sheer complexity of our dreams, and also equally by our honest efforts. In all that I have read, watched, heard, and discussed over the years one thing I can truly say that none of them is attained at a single instance or there is no particular measure to scale them. Both of them are a continuous process in themselves and also are process-driven. Excellence is not alone about being good at something, it is about building a habit of doing things better than those previously done and creating a process where we can outperform ourselves every other day. We are not born with excellence imbibed in us, it is a choice that we have to intentionally make. Choice of enriching ourselves with the ability to learn from our decisions and strive to improve and be well informed. And while we are continuously improving ourselves, the way we are approaching things and the process mindset that we have established should not be completely disturbed by the new learnings and additions into our system and this culture of mind is how we define perfection. Perfection is about being able to deliver the best of yourself without being affected by the constant chaos around you and not letting the shortcomings of your determined efforts deviate you from your long-term vision.

Do not think what people will about your actions. Think about how you want to define your actions. Quoting myself here.

While the above two paragraphs may feel completely different issues or topics but I have always felt that both of them are strongly related to the idea of our healthy mindset. We cannot make competitive decisions if we are not mentally prepared to make one, we cannot define a well-defined process for excellence unless we have made a firm decision and we cannot strive towards perfection if we are not able to take responsibility for our actions and have a broader vision towards our goals. I have always felt the need to keep our headspace positive and not let the negative energy affects our healthy environment. We cannot let the views of other people affect our ability to choose for ourselves. To achieve success and develop that habit towards excellence and perfection, I believe it is important not to let go of the control of our thoughts and actions. If you are regularly thinking from somebody else's headspace, you'll only find excuses to shift the blame when uninvited failure appears at your doorstep. I have learned this the hard way and it has taken me days to get the process within me in line with my requirements from my life but I am making that progress of being in a positive environment mentally so that I continue to build that faithful trust with excellence and perfection. Like my mom always says, "You can dare to stand again after a disastrous fall only if you have the exercise of doing things better every day." So it's eventually our choice, in the end, that moment where we define our journey.

भारताला बनवूया ववकससत

ववकसनशील भारताला बनवूया ववकससत,
गाऊया ममळूनी सारेपगतीचेगीत.
घडवुया आर्थ क,वैजाननक पगती
नष करया दष चाली-ररती

घटवूया गररबी , वाढवुया साकरता,
नष करया सारी जात-धर ववषमता.
ठार करया भषाचार आणण काळाबाजार,
थांबवुया सारा माजलेला हाहाःकार .

घडवुया सानयांचेसजन असेवर न,
चोरया दंगली यांचेकधीच नको दर न.
वाढवुया उत्पादन,पर नट आणण वापार ,
सुसज करनी लषकर वाढवुया आरमार .

ववकससत करया तंतजान, साहहत्य आणण कला,
पगती शशखरावर नेऊया आपलया देशाला.
या सारयांमधेनको संसकृतीचा ववसर,
सेवा, माणुसक ,पेमासाठ सदैव राहया ततपर.

ववकसनशील भारताला बनवूया ववकससत,
गाऊया ममळूनी सारेपगतीचेगीत.

-मनजजतसस हगगरासे(SE CIVIL)



"रात भभजत होती"

रात भभजत होती, मन शहाळत होती।

रात भभजत होती, थ बपाझरत होती ।

एकटा या वाटेवर सोबतीला, ततची आठवण होती ॥

डोळयाच्या कडेला आसवंदाटली होती, ओठांच्या कडेला शबद गोठली होती

पतयेकशबदाला ततची चाहलही होती , एकटा या वाटेवर सोबतीला ततची आठवण होती॥

वाटेच्या कडेला फुलेबहरली होती, मनाच्या गाभानयात सवपेकोमेजली होती

डोळयातील आसवाला आज साथ पावसाची होती, एकटा या वाटेवर सोबतीला ततची आठवण होती ॥

बघतो ततला चंदचांदणया जगात,

बघतो ततला थ बदाटलया नभात,

काळोखया रातीत ततला सर चांदणयाची होती ,एकटा या वाटेवर सोबतीला ततची आठवण होती ॥

भेटेल ती पुनहा जसा इंदधन पावसात,

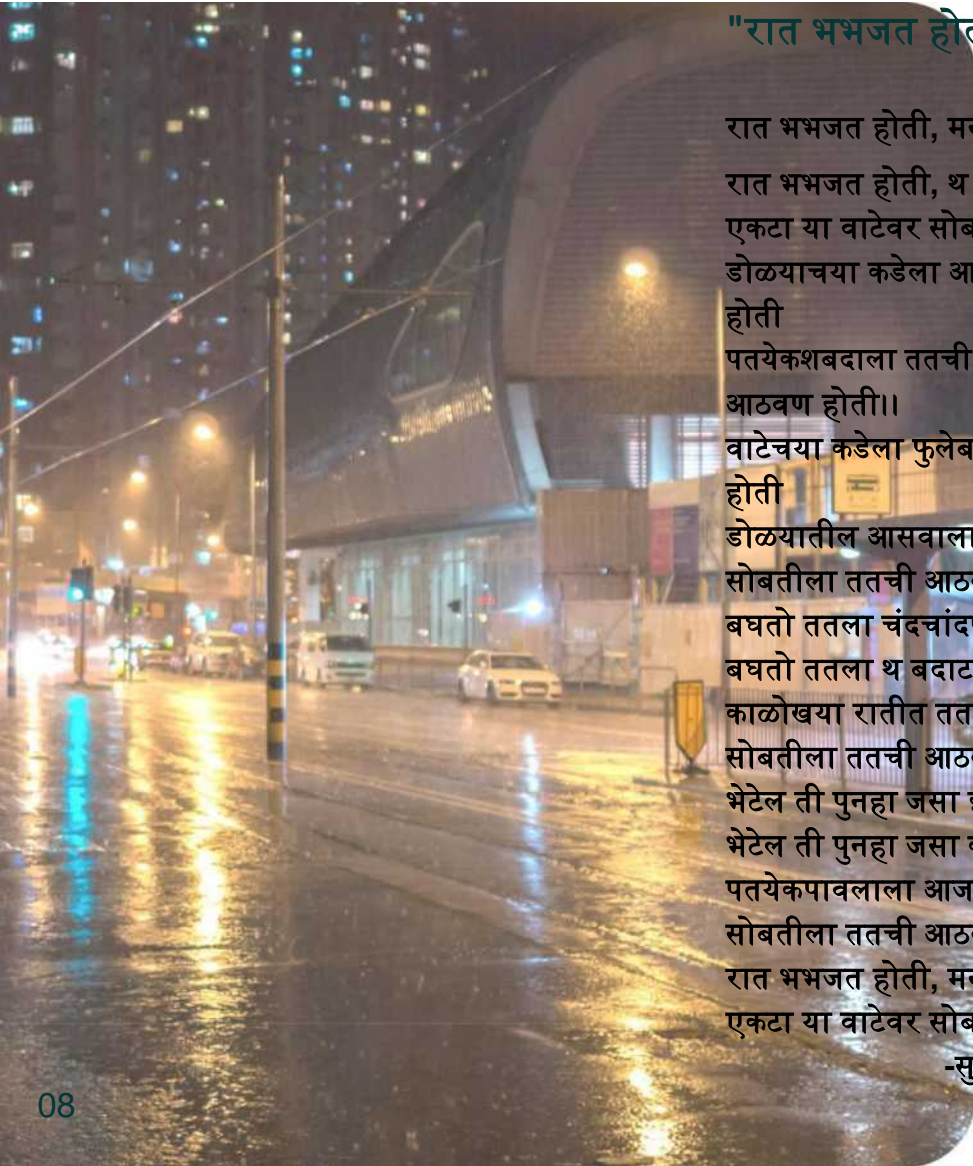
भेटेल ती पुनहा जसा काजवा काळोखात

पतयेकपावलाला आज ततचया येणयाची आस होती एकटा या वाटेवर सोबतीला ततची आठवण होती ॥

रात भभजत होती, मन शहाळत होती.

एकटा या वाटेवर सोबतीला, ततची आठवण होती ॥

-सुदर नदेशमुख(TE Civil)



नातेतुमचेआमचे

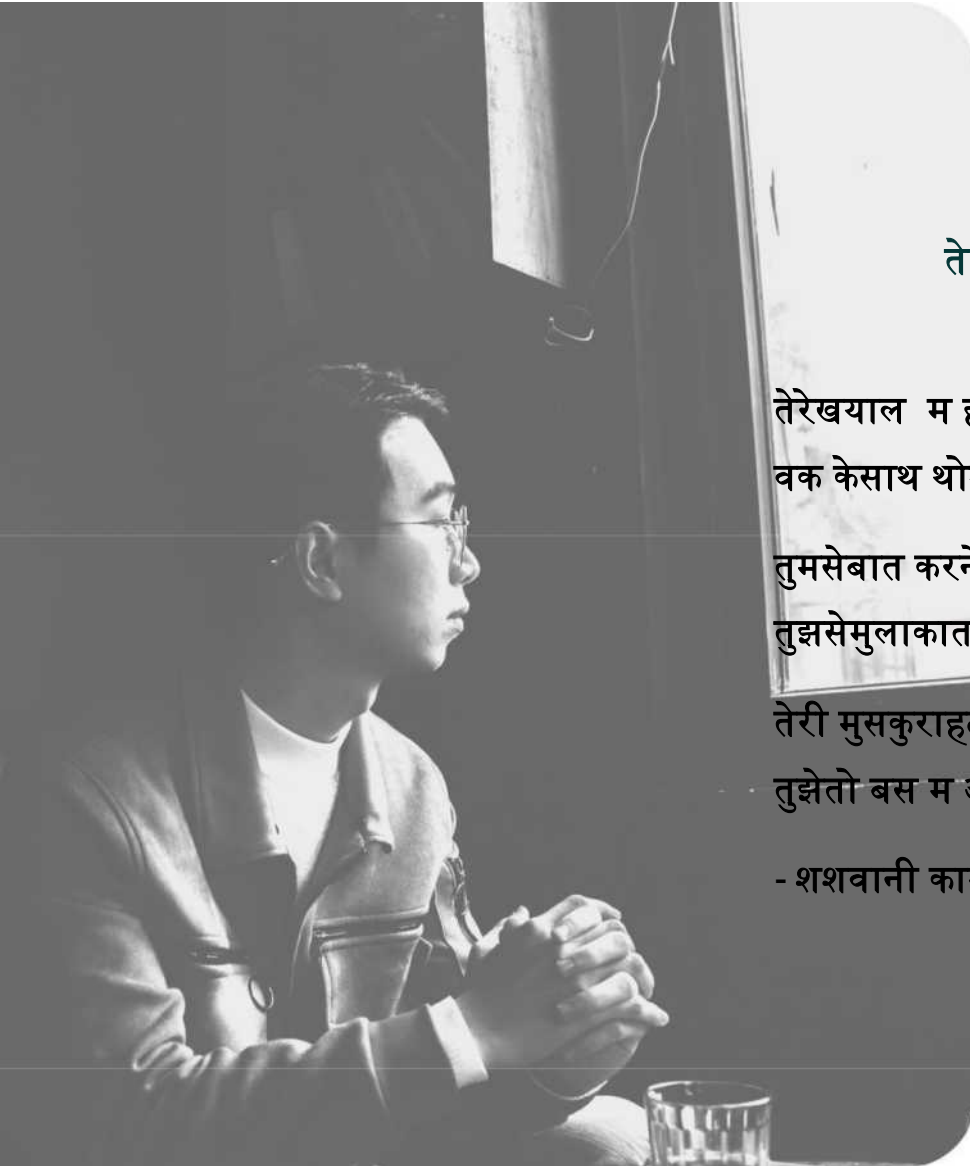
गुलाबाची कळ उमलावी जशी
नातेवेली आपुली असावी तशी
दःखात तुमचया आसवेआमुची असावी
तुमचया दारी सुखाची बहार राहावी
बंधआपुलक चेमनी रजवूया
एकजुट नेसारेआनंद राहया
मन आपुलेहेसटटक असावे
ववचार ननर लननतय झझरपावे
वाणीधयेआपुलया अमुतवसावे
बोलणेमधाळ कानी ऐकयावे
एकमेकांसवेजीवनी रंगुया
नातेतुमचेआमचे,ममळुनी जपुया...
-सुदर नदेशमुख(TE Civil)



तेरा खयाल

तेरेखयाल म हम इस कदर डूब गयेथे,
वक केसाथ थोडेसेलापरवाह सेहो गयेथे।
तुमसेबात करनेकेललए तरसती थी म ,
तुझसेमुलाकात करनेकेललए अनगीनत बहानेढूंढती थी,
तेरी मुसकुराहट पर फफदा था ददल मेरा ,
तुझेतो बस म अपनेददल म बसाना चाहती थी।

- शशवानी कामत (SE Civil)





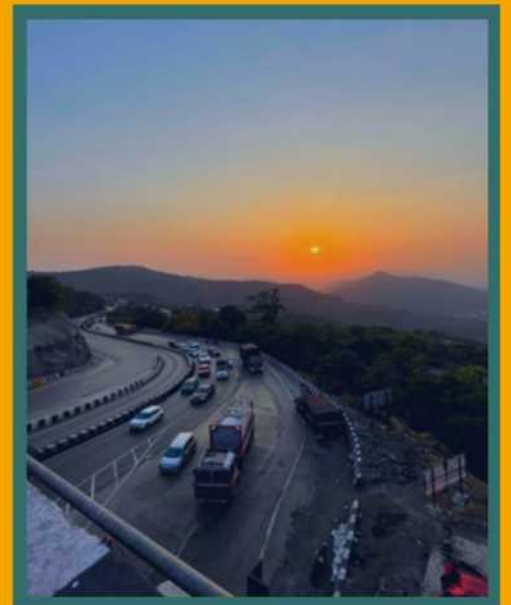
ANITA THOMBRE (BE CIVIL)



MRUNAL POPHALE (TE CIVIL)



AISHWARYA KARLE (TE CIVIL)



ONKAR PALEKAR (TE CIVIL)



ACTIVITIES OF SEMESTER

GUEST LECTURE



- TOPIC-“Technical MPSC Preparation”.
- NAME OF SPEAKER- Mr. Aniket Patil (Alumnus)
- DATE- 18/02/2020
- AUDIENCE- SE, TE, and BE Civil Students '



- TOPIC-“Geomorphology and Historical Geology” (Engineering Geology).
- NAME OF SPEAKER- Dr. N.J Sathe
- DATE- 26/02/2020
- AUDIENCE- SE Civil Students '



- TOPIC-“Financial Management” (PEFM).
- NAME OF SPEAKER- Dr. N.J Sathe
- DATE- 02/03/2020
- AUDIENCE- ME-CM Students '



SITE VISITS



S.E. Civil

1. Site visits of SE Civil students at “International Expo CONSTRO 2020 (16th Series) on 17/01/2020 to study the recent materials and equipment used in the construction industry and to understand innovations in construction technology.



2. Site visits for SE Civil students at Architectural College Building PCCOE Campus on 07/02/2020 under subject Architectural Planning and Design of Buildings to study planning of residential buildings, planning of public buildings, and functional requirements of such buildings.



3. Site visits for SE Civil students at RMC Plant Tathawade Pune on 14/03/2020 under subject Concrete Technology to study RMC Plant processing.



T.E Civil

1. Site visits of TE Civil students at “International Expo CONSTRO 2020 (16th Series) on 17/01/2020 to study the recent materials and equipment used in the construction industry and to understand innovations in construction technology.



2. Site visits of TE Civil students at Twin Tower by Sonigara Group of Construction Ravet, Pune under subject SD-II on 26/01/2020 to study reinforcement details of structural members.

3. Site visits of TE Civil students at Water Treatment Plant Nigdi, Pune under subject Environmental Engineering-I on 6 /02/2020 to study various operational units and their functions and importance of water conservation.



4. Site visits of TE Civil students at Elite group of construction at Tathawade, Pune under subject SD-II on 11/02/2020 to study reinforcement details of structural members.

SITE VISITS



B.E Civil

1. Site visits of BE Civil students at “International Expo CONSTRO 2020 (16th Series) on 17/01/2020 to study the recent materials and equipment used in the construction industry and to understand innovations in construction technology.

2. Site visit of BE Civil students at Runal Gateway on 13/03/2020 under subject Construction Management to study material management, cash flow, safety, and financial management on site.



M.E. Civil Construction Management

1. Site visits of ME Civil-CM students at “International Expo CONSTRO 2020 (16th Series) on 17/01/2020 to study the recent materials and equipment used in the construction industry and to understand innovations in construction technology.

2. Site visit of ME Civil-CM students at & Construction site at PCCoE campus & at Nigdi, Pune, constructed by M/S Rajesh Construction Company under Subject Project Economics and Financial Management on 2/03/2020 to study Financial Management implemented for smooth execution of construction activities.

3. Site visit of ME Civil-CM students at & Construction site at Runal Gateway & Ravet, Pune, constructed by M/S Runal Developers, Pune under Subject Material Management (Elective-II) on 13/03/2020 to study various aspects of material Management implemented for smooth execution of construction activities.

Industrial visits

Industrial Visit to Rajasthan was conducted for Third Year Civil Students from 11/12/2019 to 19/12/2019 to study architect design of historic monuments, site visit at a luxurious bungalow at Jaipur to study architectural planning and design, site visit at WTP at Jodhpur to study various operational units, and its functions and importance of water conservation.



SIG ACTIVITIES



We have Four SIGs for the smooth conduction of the research-oriented activities in our Civil Engineering Department. Detailed planning for site visits, webinars, and other activities was planned by all the SIG members well in advance, before the start of the Semester -II of the academic year 2019-20.

	SIG (Module Domain)	Faculty In charge
1	Structural Engineering [Structure]	Ms. P. V. Kalokhe
2	Water Resources and Environmental Engineering [WREE]	Mrs. S. S. Motegaonkar
3	Construction Management [CM]	Mrs. J.N Changade
4	Geotechnical and Transportation Engineering [G&Tr]	Mr. S. P. Banne

Activity Under Structural Engineering SIG

Site visits for SE Civil students at PCCOE Campus to study PEB Structure on 04/03/2020.



Activities under Water Resources and Environmental Engineering SIG

Meeting with Mr. Tanay Kulkarni Chief Executive at M/s DTK Hydro Net Solutions, Pune for discussion on opportunities for students in Water, Waste Water, and Storm Water infrastructure projects on 2/01/2020.

Activities under Construction Management SIG

Online Webinar organized on 'Water Proofing Techniques' in association with Indian Concrete Institute-Pune Center by Er. Jayant Khode, Marketing and Sales Professional in Chemical waterproofing. Webinar Coordinators- Mr. S. B. Gorade and Mr. D. S. Lal (Concrete Technology, 25/05/2020).

Online Webinar organized on 'Career Opportunities in Civil Engineering & Need of Mechanization in Construction' in association with Indian Concrete Institute-Pune Center by Er. General Manager Engineering. Div. B. G. Shirke Construction Technology Pvt. Ltd., Pune Webinar Coordinators- Mr. S. B. Gorade and Mr. D. S. Lal. (Building Technology and Material and Construction Management, 27/05/2020)



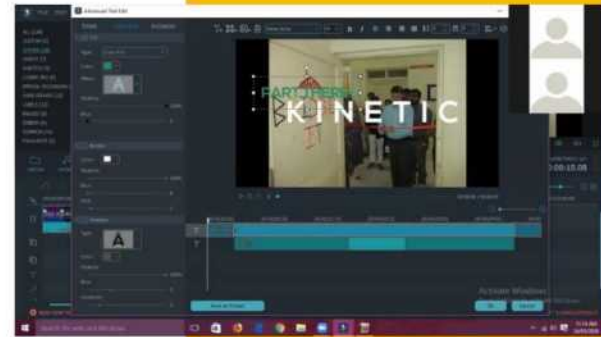
Activities under Geotechnical & Transportation Engineering SIG

Site visits for SE Civil students at 'Core Drilling- Bore Log' near Akurdi Railway Station on under PCCOE IGS Student Chapter to study core drilling process, soil sampler, diamond bit, core catcher with a working stage on 20/01/2020

Activities conducted by CiESA



An Online session on “Video Making” was conducted for interested students of S.E., T.E. & B.E. Video making is a prerequisite for further video editing.



ARTS & CRAFTS CLUB



SPORTS & FITNESS CLUB



READERS & WRITERS CLUB



ENTERTAINMENT CLUB

Various hobby clubs were started to promote the extraordinary skills of students and to showcase their talent.

2019-2020

ACHIEVEMENTS



STUDENTS ACHIEVEMENTS

BE Project Group of Mayuresh Bajbalkar receiving an award at Paper Presentation, Avishkar, 2019 organized by Rotary Water Olympiad 2020 and SPPU.



Essay writing and Research ideas/Paper competition organized by Environment Conservation Association. T.E. and B.E. Civil Students Participated



Alumni Students, Akash Kakde, Ronak Gandhi, Deepali Tondare, and Dipti More got 2nd Price in Engineering Undergraduate Category for their BE Project work 'Precast Bituminous Pavement' Prize Distribution took place at CONSTRO 2020 on 17/01/2020.



Padmashree B. G. Shirke Meritorious Civil Engineering Student Award for the year 2018-19 was given to Mr. Suraj Dayaram Vishwakarma for his outstanding performance and remarkable achievements in academics during the course of Civil Engineering (2015-19) by Shirke Group of Industries.



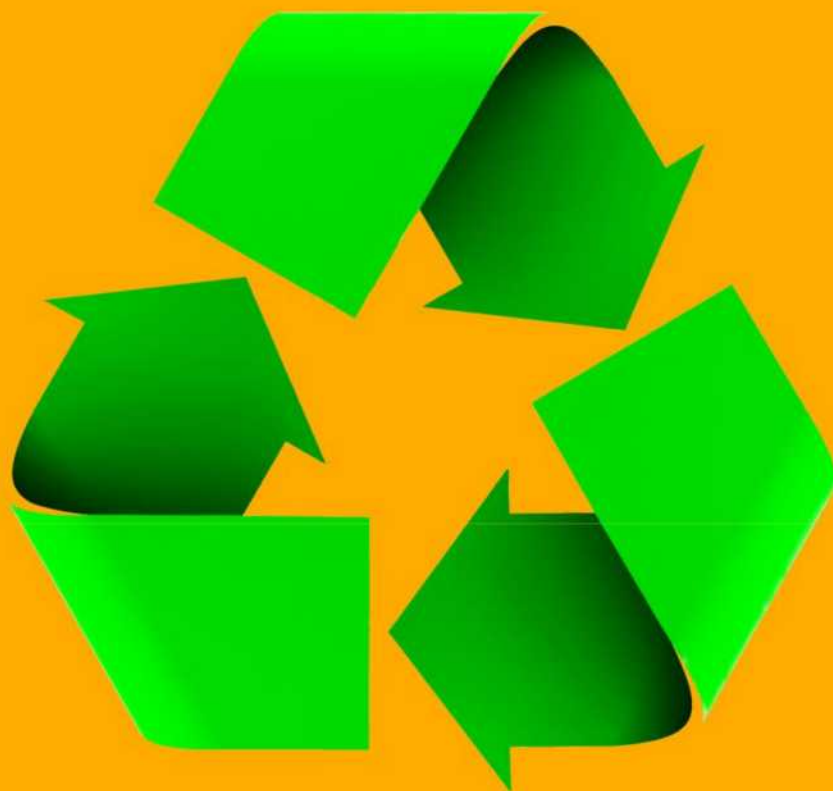
STUDENTS ACHIEVEMENTS

On Site Training

Sr No.	Name of the Student	Class	Organization
1	Dipali Pandurang Padme	S. E.	Nyati Group
2	Kirti Krishnrao Naikare	S. E.	
3	Madhubala Purushottam Gavane	T. E.	
4	Pranali Prabhakar Suryawanshi	S. E.	
5	Ashish Deepak Khairnar	T. E.	Millennium Engineers & Contractors Pvt. Ltd.
6	Apurva Shrimant Shinde	T. E.	
7	Mahesh Vishnu Kshirsagar	S. E.	
8	Manjitsinh Girase	S. E.	
9	Jaydip Pradeeprao Patil	S. E.	B. G. Shirke Construction
10	Sudarshan Gurunath Yadav	S. E.	
11	Nikhil Devidas Bhanavse	S. E.	
12	Bhavik Milind Shete	S. E.	
13	Aditya Vikas Rudrakanthwar	S. E.	

PLACEMENT

Sr No.	Name of the Student	Name of the Organization	Academic Year
1	Sourav Bacchav	Capgemini	2019-20
2	Kshitij Wagh	Accenture	2019-20
3	Saourav Patil	Godrej and Boyce	2019-20
4	Prathamesh Solapure	Gate City India Pvt. Ltd	2019-20
5	Swati Jodabge	Gate City India Pvt. Ltd	2019-20
6	Toral Agarwal	Worley	2019-20
7	Amruta Kalhapure	Worley	2019-20
8	Uttakrsha Golande	Worley	2019-20
9	Mansi Shinde	Worley	2019-20
10	Shubhali Shete	Neilsoft	2019-20
11	Parimal Sinnalkar	Neilsoft	2019-20
12	Ashutosh Zutshi	Talentino	2019-20



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