	Pimpri Chinchwad Education Trust's Pimpri Chinchwad College of Engineering	Record No.: ACAD/R/017
		Revision: 00
		Date: 15/09/2020
Progress and Review of the Department		

Department: Civil Engineering

Academic Year: 2021-22

Semester: I

Date: 23/12/2021

To

The Director,
PCCOE, Nigdi, Pune.

Respected Sir,

Please find the progress and review report of Civil Engineering department during the Semester –I of academic year 2021-22 covering the following aspects.

Academics

A. Overall attendance of UG Civil students:

Sr. No.	Monthly Report	Overall % Attendance (TE)	Overall % Attendance (BE)
1	21 st June to 5 th July, 2021	85	83
2	21 st June to 6 th August, 2021	82	82.3
3	21 st June to 6 th September, 2021	80	80
4	21 st June to 6 th October, 2021	82	79
5	21 st June to 22 nd November, 2021	85	79
Average % attendance		82.8	80.7

Syllabus Coverage

A. Syllabus coverage and additional lectures engaged (status of lectures engaged): T.E Civil

Subject	Th./Pr. (Hrs.)	Lectures/ practical planned	Lectures/ practical conducted	Extra lectures	Remedial lectures	Syllabus Coverage (%)
Hydrology and Water Resources Engineering	03	36	34	05		100
	02	10	10	-		100
Water Supply Engineering	03	37	37	10		100
	02	11	11	01		100
Design of Steel Structures	03	39	39	07		100
	04	17	17	09		100
Engineering Economics and Financial Management	03	45	45	-		100

Subject	Th./Pr. (Hrs.)	Lectures/ practical planned	Lectures/ practical conducted	Extra lectures	Remedial lectures	Syllabus Coverage (%)
Construction Management (Elective-I)	03	37	37	08		100
	02	09	09	02		100
Audit Course I: Professional Ethics and Etiquettes/ Sustainable Energy Systems	-	01	12	12		100

B. Syllabus coverage and additional lectures engaged (status of lectures engaged): B.E Civil

Subject	Th./Pr. (Hrs.)	Lectures/ Practical planned	Lectures/ Practical conducted	Extra lectures	Remedial lectures	Syllabus Coverage (%)
Environmental Engineering II	3	36	36	12		100
	2	11	11	04		100
Transportation Engineering	3	42	42	03		100
	2	12	12	01		100
Structural Design and Drawing III	4	48	48	12		100
	2	12	12	02		100
Advanced Concrete Technology	3	36	36	06		100
	2	09	09	00		100
TQM & MIS in Civil Engineering	3	36	36	03		100
Engineering Earthquake	3	36	36	08		100

□ Result Analysis

A. Result analysis of department of academic year 2020-21 Semester –II (S.E. Civil)

Result	No. of Students (Total =87)	Percentage (%)
Distinction	82	92.25
First Class	04	4.60
Higher Second Class	00	-
Second Class	00	-
Pass Class	00	-
Total All Clear Students	86	98.85
Total successful with ATKIT	87	100
Failed in one subject	01	1.15
Failed in two subjects	00	-
Failed in three and more than three subjects	00	-

B. Result analysis of department of academic year 2020-21 Semester –II (T.E. Civil)

Result	No. of Students (Total = 75)	Percentage (%)
Distinction	74	98.67
First Class	00	-
Higher Second Class	00	-
Second Class	00	-
Pass Class	00	-
Total All Clear Students	74	98.67
Total successful with ATKT	75	100
Failed in one subject	01	1.33
Failed in two subjects	00	-
Failed in three and more than three subjects	00	-

C. Result analysis of department of academic year 2020-21 Semester –II (B.E. Civil)

Result	No. of Students (Total = 72)	Percentage (%)
Distinction	50	69.44
First Class	21	29.17
Higher Second Class	01	1.39
Second Class	00	-
Pass Class	00	-
Total All Clear Students	72	100
Total successful with ATKT	-	-
Failed in one subject	00	-
Failed in two subjects	00	-
Failed in three and more than three subjects	00	-

Programs organized by the department

Guest Lecture organized [Photos- Annexure-I]

UG-Civil (03)

1. Guest Lecture (online) organized for TE Civil Students under subject Hydrology and Water Resources, on topic 'Q-GIS software application in Hydrology (watershed delineation)' by Mrs. Ulka Joshi, GIS Consultant on 25th October, 2021.
2. Guest Lecture (online) organized for TE Civil Students under subject Water Supply Engineering on topic 'Analysis of Water Distribution Network using EPANET software' by Mrs. Deepali Vaidya, SKN, SIT, Lonavala on 11th October, 2021.
3. Guest Lecture (online) organized for SE Civil Students under subject Construction Management Elective -I on topic 'Construction Management using Primavera' by Ms. Pallavi Salunkhe, M.E Construction Management on 26th July, 2021.

Guest Lecture organized for Honor Courses (04)

1. Guest Lecture (online) organized for TE Civil Students under Honor course Architecture and Town Planning as per SPPU academic (AY 2021-22) on topic 'Urban Infrastructure Planning' by Mrs. V.S. Limaye, Associate Professor, Sinhgad College of Engineering, Pune on 27th November, 2021. Webinar coordinated by Mr. P.R. Mali.
2. Guest Lecture (online) organized for TE Civil Students under Honor course Architecture and Town Planning as per SPPU academic (AY 2021-22) on topic 'Planning of Residential Area' by Mrs. V.S. Limaye, Associate Professor, Sinhgad College of Engineering, Pune on 13th October, 2021. Webinar coordinated by Mr. P.R. Mali.
3. Guest Lecture (online) organized for TE Civil Students under Honor course Architecture and Town Planning as per SPPU academic (AY 2021-22) on topic 'Housing for Urban poor' by Mr. Atul Gosavi on 16th October, 2021. Webinar coordinated by Dr. S.T. Mali.
4. Guest Lecture (online) organized for TE Civil Students under Honor course Architecture and Town Planning as per SPPU academic (AY 2021-22) on topic 'Housing policies and finance' by Mrs. Swapnali Bhujbal on 16th October, 2021. Webinar coordinated by Dr. S.T. Mali.

Webinar organized (01)

1. Dr. A.K. Gaikwad contributed in organizing State level workshop for all the teaching and supporting faculty of Diploma and Engineering colleges in Maharashtra for 'Human values and preservation under COVID19 Environment' under PCCoE ISR cell from 5th -9th July, 2021.

Co-Teaching by Industry Expert (03)

1. Industry expert Mr. Varun Deshmukh, CA, Deshmukh Deshpande and Associates delivered 6 hours lecture on course 'Engineering Economics and Financial Management' for T.E. Civil students between 29th September to 7th October, 2021.
2. Industry expert Mr. Chetan Loni, Lead Consultant, Big Bang Consultancy, Pune delivered 6 hours lecture on course 'Construction Management (Elective-I) for T.E. Civil students between 13th September-22nd September, 2021.
3. Industry expert Mr. Gopal O Dhoot, Consultant, Dhoot Consulting Engineers delivered 7 hours lecture on course 'Earthquake Engineering (elective) for B.E. Civil students between 31st August-21st September, 2021.

Site Visit and Industrial Visit [Photos- Annexure-II]

Site Visit : 05 [B.E (04); T.E (01)]

1. Virtual Site visit organized for B.E. Civil students under course 'Advanced Concrete Technology' at Godrej Green Cove, Balewadi Rd, Mahalunge, Pune on 9th November, 2021. Coordinated by Mr. S.B. Gorade.
2. Virtual Site visit organized for B.E. Civil students under course 'Advanced Concrete Technology' at "PCCoE New Hostel building, Nigdi, Pune on 27th October, 2021. Coordinated by Mr. S.B. Gorade and Alumni student Mr. Omkar Patil.

- Virtual Site visit organized for **B.E. Civil** students under course ‘Structural design and drawing’ at Govt. Road Construction, Rajgurunagar, Pune on 20th November, 2021.Coordinated by Ms. P.V. Kalokhe.
- Virtual Site visit organized for **B.E. Civil** students under course ‘Structural design and drawing’ at Sai Millenium commercial complex, Vadhwani Construction, Pune on 15th November, 2021.Coordinated by Ms. P.V. Kalokhe and Mr. Swapnil Kurhade.
- Virtual Site visit organized for **T.E. Civil** students under course Design of Steel Structure at Pune Railway Station on 9th October, 2021. Coordinated by Mrs. K.D. Dhapekar.

Industrial Visit (01)

- Dr. A.K. Gaikwad along with 10 students from PCCOE Civil Department visited ATAL Tunnel at Rohtang, Manali, to see the technical details of the Tunnel construction under AICTE YUVAK scheme from 25th to 30th October, 2021.

Induction program arranged in department [Photos- Annexure-III]

1. B.E (A.Y. 2021-22) Induction program arranged for B.E. Civil Students:

Department of Civil Engineering had organized a four-day online Induction Program from 29th July to 31st July,2021 on Google Meet. The objective of this event was to provide a helping hand to students in taking the important decision of their life related to career. Also, another objective was to showcase the significance of few subjects that students will learn in this semester in order to develop their interest.

(Details of Sessions conducted are provided with Annexure III)

2. T.E (A.Y. 2021-22) Induction program arranged for T.E. Civil Students:

Department of Civil Engineering had organized a four-day online Induction Program from 8th July to 12th July,2021 on Google Meet. The objective of this event was to provide a helping hand to students in taking the important decision of their life related to career. Also, another objective was to showcase the significance of few subjects that students will learn in this semester in order to develop their interest.

Details of Sessions conducted are as follows:

Sr. No.	Date & Time Slot	Recourse Person	Topic	Outcome (Students came to know)
1	08 th July, 2021 9.00am-10.30am	Mr. Swapnil Valekar & Ms. Vedantika Taskar	Alumini Interaction: Opportunities after completing BE in Civil Engineering	<ul style="list-style-type: none"> Core civil Engineering Fields, Civil engineering Profiles 3 Major Career options online & off line teaching taking up a job Higher studies
2	08 th July, 2021 11.00am-12.30am	Mr. Gaurav Jambhulkar	To become Entrepreneur in Civil Engineering	<ul style="list-style-type: none"> Necessary Skill sets for Entrepreneurship. Financial support required to start up a business various Government / Private bodies supporting for startups Real life challenges in construction field Decision making capability required to solve on site problems.
3	08 th July, 2021	Mr. Devanshu	Introduction of software related	<ul style="list-style-type: none"> Introduction of software used in civil engineering. Importance of software like Auto-CAD, STAAD,

	2.00am-3.30am	Parmani	to Civil Engineering	<ul style="list-style-type: none"> E-TABS in industry. Design of structures through software and its comparison with manual calculation.
4	09 th July, 2021 9:00am to 11:00am	Mr. Vinay Agrawal	GATE Guidance	<ul style="list-style-type: none"> How to prepare for GATE exam Advantage of GATE score in: PSU recruitment M. Tech stipends
5	10 th July, 2021 10.00am-11.00am	Mr. Aniket Patil	MPSC Guidance	<ul style="list-style-type: none"> Revised Technical MPSC syllabus Other government exams Strategy for study Motivation for joining government service
6	12 th July, 2021 9.00am-11:00am	Mr. Mahendra Deshmukh (Lohar)	Entrepreneurship	<ul style="list-style-type: none"> Necessary Skill sets for Entrepreneurship. How to start the company Documentation & approval required from various government authorities. Tender process for government as well as private sectors. Various projects done by Mr. Mahendra Deshmukh & his company
7	12 th July, 2021 2:00 pm-4:00pm	Mr. Adip Bhattacharjee Mrs. Amita Thakur Desai	Industry Ready Engineer. Carrier opportunities in Civil Engineering	<ul style="list-style-type: none"> Fields in Structural Engineering (SE) Qualification and training required Key task to be performed by SE Responsibilities of SE, Challenges faced by SE Software available for design and analysis Professional bodies.

3. S.Y (A.Y. 2021-22) Induction program arranged for S.Y Civil Students

Department of Civil Engineering had organized a Three-day Induction Program - I from 11th October to 13th October, 2021 through online mode (Google Meet). The objective of this event was to provide an overall view of the civil department as well as a helping hand to students in taking the important decision of their life related to their careers. Also, another objective of this series was to showcase the significance of few subjects that students will learn in this semester in order to develop their interest.

Details of Sessions conducted are as follows:

Sr. No.	Date & Time	Recourse Person	Topic	Session Details
1	11 th October, 2021 10.00am-10.45am	Dr. S.T. Mali Mrs. S.S. Motegaonkar Mrs. K.D. Dhapekar Mr. S.D. Kurhade	Keynote Addresses	<ul style="list-style-type: none"> Introduced to Dept. of Civil Engineering of PCCOE Academic Structure was understood Got to know about SDW Cell and its working Introduction of Class Teacher
2	11 th October, 2021	Mr. S.D. Kurhade	Introduction of Teachers and Students through a running PPT	<ul style="list-style-type: none"> About their Teachers and Classmates Virtual Interaction between students took place Got to know about Classmates who share

	11.00am-11.45am			similar Interests as theirs
3	11 th October, 2021 12pm-1.30pm	Mr. Saurabh Bedmutha	Talks on Entrepreneurship	<ul style="list-style-type: none"> ● Identify the community/ practical/ societal needs and convert the idea into a product/ process/ service. ● To find opportunities in all things around and then try to make something o. ● Create, work in a team, and applying the solution in a practical way to a specific problem.
4	11 th October, 2021 2.00pm-3.00pm	Mr. Amarnath Tayade	Placement opportunities in Civil Engineering	<ul style="list-style-type: none"> ● Create, Work in a team, and applying the solutions in a practical way to a specific problem. ● Benefits of placements ● How to be ready for a placement interview ● How to create a CV and present yourself ● What does industry need and how to work in the multidisciplinary area
5	11 th October, 2021 3.10pm-4.00pm	All Faculty members and lab in-charge of Civil Dept.	Virtual Lab Visit	<ul style="list-style-type: none"> ● Virtual tour of all the labs associated with Civil Engineering ● Importance and specifications of each lab ● Showed some important instruments and setups in the lab with their purpose, functioning, and use. ● Showed experiments and models done by passed-out students.
6	12 th October, 2021 10.00am-10.45am	Mr. S. P. Banne and Mr. S. D. Kurhade	Virtual Site Visit	<ul style="list-style-type: none"> ● Site visit to a construction site near girl's hostel PCCOE was visited ● Understanding and reading of centerline plan and the detailing of the hostel buildings ● Soil nearby the site and its properties were studied and understood ● Building components i.e beams, Columns, Staircase, etc were showed and explained to the students <p>All aspects of the building were thoroughly explained</p>
7	12 th October, 2021 11.00am-12.00pm	Dr. T. S. Mali	Autonomy syllabus Structure	<ul style="list-style-type: none"> ● The autonomy syllabus structure was explained in detail. ● Students motivated to secure higher marks by the HOD speech ● The college website was introduced to students ● Students came to know about the Civil department and its achievements ● Skills that will be developed during the course of civil engineering were stated

8	12 th October, 2021 12.00pm-1.00pm	Mr. Divanshu Parnami	Software Awareness in Civil Engineering	<ul style="list-style-type: none"> ● Explained about the use of MS-Excel in making sheets i.e., brick wall, bar bending schedule, steel quantity, mix footing design sheets. ● The overview of RCC plan and steel quantity that can be prepared in Autocad software. ● Explained about the relation and coordination that should be needed between Engineer and Architect. ● The use of STAAD Pro software in designing RCC structures.
9	12 th October, 2021 2.00pm-3.00pm	CiESA Advisory Team	Happy hour	<ul style="list-style-type: none"> ● It was a fun event to make students aware of activities conducted by CiESA. ● It was arranged so students can interact freely with CiESA. ● The main outcome was students felt connected with CiESA.
10	12 th October, 2021 3.00pm-4.00pm	CiESA Advisory Team	CiESA Introduction	<ul style="list-style-type: none"> ● CiESA team introduced the Civil Engineering Students Association and the vision and mission of CiESA. ● CiESA activities were introduced to students. ● This was arranged so students will actively participate in CiESA.
11	13 th October, 2021 10.00am-11.00am	Mr. Sandip Sagar	Preparation of MES Exams	<ul style="list-style-type: none"> ● Revised Technical MPSC syllabus ● Introduced students with other Government exams ● Strategy for study ● Motivation for joining the government services
12	13 th October, 2021 11.00am-12.00pm	Dr. Rajeev Nagarkar	Goal Setting	<ul style="list-style-type: none"> ● what is mean by a goal. ● difference between goals and dreams. ● why set goals and the importance of goals in our life. ● how to set goals. ● how to overcome the obstacles in the path of goals.
13	13 th October, 2021 12.00pm-1.00pm	Mr. Manjeet Singh Ms. Siddhi Pampattiwar	Toppers Speech	<ul style="list-style-type: none"> ● How to set goals for study ● focus points of each subject ● how to make and follow the schedule ● how to prepare for examination
14	13 th October, 2021 1.00pm-2.00pm	Mr. Viraj Bhandari PCCOE Alumnus	Opportunities after completing BE in Civil Engineering	<ul style="list-style-type: none"> ● Core civil Engineering Fields, Civil engineering Profiles ● 3 Major Career options ● Starting business ● taking up a job ● Higher studies

15	13 th October, 2021 2.00pm-3.00pm	Mr. Swapnil Kurhade SE Class Teacher	Feedback Session	<ul style="list-style-type: none"> From feedback, it will be easy to know the importance of the session and what new things can be adopted for the next academic batch.
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Induction session was conducted for DSY Civil students for introducing the department to students and giving the insight of academic activities, discussion on covering up their syllabus. The session was conducted by Dr. S.T. Mali, Mrs. S.M. Motegaonkar and Mr. S.D. Kurhade on 20th December, 2021 for 1 to 2 pm.

Student Association Coordination Cell: Civil Engineering Students Association (CiESA) [Photos -Annexure-IV]

The details of the activities conducted for academic year 2021 -2022, Semester I

Activity 1: Celebration of Teacher's Day on 6th September, 2021 to express the gratitude to teaching and non-teaching staff of civil engineering department from (3.45 PM to 4.45 PM). Students of T.E and B.E Civil and all faculties of civil engineering department attended the event. Event conducted online on Google Meet <https://meet.google.com/eyi-gfxn-ktp>

Activity 2: Igniting Mind on 21st November, 2021 to evaluate certain attributes in students that can be shared with each other and to have a healthy discussion on modern problems. All the students from SY B-tech, T.E & B.E Civil have attended the event "Igniting minds". The subject for the debate was "Is technology making people dumber or smarter?" Event conducted online on Google meet <https://meet.google.com/whd-zzvx-mbm>

Activity 3: Alumni Meet on 21st November, 2021 to interact with the Alumni of the Civil department and to get to know each other and improve the structure of the Department overall. The Alumni from the year 2017 till 2021, HOD, Dr. Sandip Mali, the Faculty member of the Civil Department, and the CiESA Advisory team were present for the session. The Session commenced with a warm welcome by Mr. T.S.Khambekar and Ms. Sawani Anwale, acclaimed to all the present personalities. Event conducted online on Google meet <https://meet.google.com/afz-aqja-qvo>

Research & Innovation Cell

Research Achievements

A. Ph.D. Completed

1. Dr. R.S. Chaudhari completed his Ph.D. from Research Centre "Shri. Sataya Sai University of Medical Sciences & Technology" in the area of "Evolution of Labour Productivity in Construction Projects" on 30th December, 2021.

B. Ph.D. Pursuing (11)

- Mrs. Shilpa Motegaonkar pursuing Ph.D. in Water Resources at the research Centre "WIT Solapur", in the area of Hydro climatology.
- Mr. T. S. Khambekar pursuing Ph.D. at the Research Centre "Sinhgad College of Engineering, Vadgaon

“in the area of Solid Waste Management

3. Mr. Parag Ankad pursuing Ph.D. at the Research Centre “MIT, Pune” in the area of Tensegrity Structures.
4. Mr. S. B. Gorade pursuing for Ph.D. in Construction Management at the Research Centre “D.Y. Patil Institute of Technology Pimpri”, in the area of Retrofitting of RCC Structures.
5. Mr. S.P Banne pursuing Ph.D. at the Research Centre “Rajashri Shahu College of Engineering” in the area of Experimental Investigation of Laterite Soil with Biopolymers and prediction of stabilized soil properties using artificial neural network.
6. Mr. S.D Kurhade pursuing Ph.D. at Research Centre “Sanjivani College of Engineering, Kopergaon, Ahmednagar” in the area of mechanical properties of Fly Ash based Geopolymer Concrete using ANN
7. Mrs. R.R. Purohit registered for Ph.D. at Career Point University, Kota Rajasthan.
8. Ms. P.V. Kalokhe registered for Ph.D. at the Research Centre “Rajashri Shahu College of Engineering, Tathawade” in the area of Performance based design of Steel Shear wall.
9. Mr. Praful Shinkar registered for Ph.D from VNIT Surat in “Influence of modern round about on pedestrian crossing in urban areas”
10. Ms. Anushree Chandragade registered for Ph.D at Poornima University, Jaipur in the department of Civil and Environmental Engineering . Date of registration 30th September, 2021.

Publications

A. Books (03)

1. Dr. S.T. Mali as co-author published book on Water Supply Engineering with Nirali Prakashan, Pune, India, September 2021, ISBN: 978-93-5451-324-4
2. Mr. S.B. Gorade, has published book on Concrete Technology (revised pattern 2019), SPPU SE Civil Engineering, Sem-IV, Course with Tech Knowledge Publication ISBN No. 978-93-90694-70-9.
3. Mr. S.B. Gorade, has published book on Building Materials and Concrete Technology (revised pattern 2019), Mumbai University, SE Civil Engineering, Sem-IV, Course with Tech Knowledge Publication ISBN No. 978-93-90694-79-2.

B. Paper Published

National Journal: (02)

1. Dr. A.K. Gaikwad published paper on ‘Optimization of dispatching schedule of Ready-Mix Concrete plant for multi plant and multi-site operation condition – A literature Review’ at Journal of Emerging Technologies and Innovative Research (JETIR), ISSN-2349-5162, 8(5), May 2021, pp: F783-F789. ISSN-2349-5162, 8(5) (www.jetir.org)
2. Mr. T.S. Khambekar and Dr. S.T. Mali published on ‘Review of chemical and bromatological characteristics of organic fraction of municipal solid waste for anaerobic digestion and calculating theoretical methane yield Interdisciplinary Environmental Review, Inter Science. Paper accepted on 27th April, 2021.

International Journal: (03)

1. Dr. A.K. Gaikwad published paper on ‘Implementation of Six Sigma for Quality Evaluation at Ready Mix Concrete (RMC) Plant’ at International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume 8, Issue 7, July 2021, pp: 4364-4370. www.irjet.net.
2. Dr. D.S. Lal published paper on ‘Design and Development of Quad Copter with Paint Spray Mechanism at International Research Journal of Engineering and Technology (IRJET) P-ISSN: 2395-0072, E-ISSN: 2395-0056 <https://www.irjet.net/archives/V8/i5/IRJET-V8I5852.pdf>
3. Dr. D.S. Lal published paper on ‘Design and Selection of Components for Automated Omni Directional Marking Vehicle’ at International Research Journal of Engineering and Technology (IRJET) P-ISSN: 2395-0072, E-ISSN: 2395-0056 <https://www.irjet.net/archives/V8/i6/IRJET-V8I6281.pdf>

International Conference: (03)

1. Dr. S.T. Mali published paper on ‘A study on reuse of grit material from sewage treatment plant as a fine aggregate in concrete and feasibility for compost’ at proceedings of International E-conference on Sustainable Development in Concrete Technology ICSDCT 2021, ISSN number: 978-93-91041-26-7, www.icsdct2021.in
2. Mr. R.S. Chaudhari published paper on ‘A study on reuse of grit material from sewage treatment plant as a fine aggregate in concrete and feasibility for compost’ at proceedings of International E-conference on Sustainable Development in Concrete Technology ICSDCT 2021, ISSN number: 978-93-91041-26-7, www.icsdct2021.in
3. Mr. R.S. Chaudhari published paper on ‘Analysis of factors affecting construction labour productivity’, An International Conference on Structures, Material and Construction 2021 (ICSMC2021), organized by Department of Civil Engineering JUIT, Wagnaghat, Himachal Pradesh. (Springer)

Consultancy Work (03)

1. Testing of compressive strength of cube casted for PCCoE hostel building at Testing of Material Lab. This work is carried out by Mr. S.D. Kurhade.
2. Testing work for assessment of drinking water quality for the samples submitted dated 28th November, 2021 from the locations PCCoE admin office, Mess/Canteen and PCCoE Civil & Mech building was done by Environmental Engineering Lab of Civil Engineering Department This work is carried out by Mr. T.S. Khambekar.
3. Consultancy work of Road Safety Audit of Pimpri Chinchwad Municipal Corporation for initial 20 km total amount Rs. 5,62,000/-, headed by Mr. S. P. Gaikwad and Mr. Praful Shinkar.

Funding Proposal Submitted (03) Total Amount Rs. 14,63,340/-

1. Dr. D.S. Lal submitted research proposal to Pune Construction Engineering Research Foundation (PCERF), titled 'Development and Optimization of 3 D Concrete Printer with Digital Twinning Operation from Mixing to Printing' on 29th November,2021 of Amount Rs. 10,25,000/-
2. Dr. D.S. Lal submitted research proposal to Pune Construction Engineering Research Foundation (PCERF), titled 'Development of Programmable Aerial Vehicle- A Drone for Layout Marking, Structures Measurement and Monitoring' on 29th November,2021 of Amount Rs. 2,40,000/-
3. Dr. D.S. Lal submitted research proposal to Pune Construction Engineering Research Foundation (PCERF), titled 'Development of Automated Layout Marking Vehicle for Layout Marking of Civil Structures' on 29th November,2021 of Amount Rs. 1,98,340/-

Research Proposal accepted and received

1. Dr. D.S. Lal received sanctioned amount of Rs. 3,25,000/- for Innovative Learning content for '3 D Printing Technology for Construction' from Dassault Systems- La Foundation, Pune. (Letter: DSF Contract ID:2021-8398, DSF Project IOD-IN-2021-1-07)
2. Dr. D.S. Lal received sanctioned amount of Rs. 8,75,000/- for Innovative Learning content for '3 D Printing Technology for Construction' from Dassault Systems- La Foundation, Pune. (Letter: DSF Contract ID:2021-8399, DSF Project IOD-IN-2021-1-08)
3. Mr. D.S. Lal received funding by M/s. Dassault Systems Foundation of funding amount of **Rs. 14.19/- Lakhs** for following two proposals below
 - a. Development and optimization of 3D concrete printer considering nozzle and pump with digital twinning of Rs. 10.97 Lakhs
 - b. Interactive Learning Content for 3D printing technology for construction of Rs. 3.25 Lakhs.

Patent filed by Faculty and Students (01)

1. BE Civil Students Ms. Samruddhi Patil and Ms Rinkita Tayade and Mr. Swapnil Gorade filled patent under Intellectual Property Right for project "Design and development of innovative modular bricks made by SCBA (Sugarcane bagasse ash) and C&D waste" Application No- 202121026968 A, The Patent Office Journal No. 29/2021 Dated 16th July, 2021.

Copy Right (05) [Photos -Annexure-V]

1. Dr. A.K. Gaikwad received copy right on research topic 'Dispatching Schedule Optimizer for RMC plant', Diary No. 11133/2021-CO/SW Registration No.: SW-14638/2021, dated 10th July, 2021.
2. Dr. A.K. Gaikwad received copy right on research topic 'Dispatching schedule optimizer for ready mix concrete plant. Registration No. SW-14794/2021, dated 10th August, 2021.

3. Mr. R.S. Chaudhari received copy right on research topic ‘Evaluation of labour productivity for high rise building projects (RII method) Diary no. 14416/2021-CO/L
4. Mr. S.P. Banne received copy right on research topic ‘Experimental investigation of Laterite soil with biopolymers and development of prediction models for stabilized soil using artificial neural network. Registration no. L-107157/2021, dated 2nd September, 2021.

MoU (02)

1. MOU with Ultratech cement Ltd. for knowledge sharing, providing consultancy, providing training, organizing conferences, seminars, workshops, guidance to faculty members on 27th October, 2021.
2. MOU with Pune Construction Engineering Research Foundation (PCERF) NGO, established in 1983 by eminent Civil Engineers and Architects to solve the Construction Industry problems and creating Technology development awareness. This will also help Faculties and Students to be Industry Competitive Engineer with practical knowledge. MOU signed on 26th August, 2020.

SIG Activities

We have four SIGs for the smooth conduction of the research-oriented activities in our Civil Engineering Department. A detailed planning for webinar and other activities is planned by all the SIG members well in advance, before the start of the Semester –II of Academic Year 2020-21.

The various SIGs and the members are as follows:

Sr. No.	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 [Tr&G]	Mr. S. P. Banne

Activities of Water Resources and Environmental Engineering SIG:

Sr. No.	Details of Activities planned	Course to which activity is related	Dates of Conduction
1	Online session organized on ‘Analysis of Water distribution network using EPANET software’ by Mrs. Deepali Vaidya, Assistant Professor, SKN SIT Lonavala. Webinar Coordinated by Dr. S.T. Mali and Ms. Anushree Chandragade	Water Supply Engineering	18 th November, 2021
2	Online session organized on ‘Water essentials, challenges and opportunities in potable and waste water treatment’ by Mr. Prasad Bhadane, M.Sc. Water, IFK, University of Stuttgart, Germany. Webinar Coordinated by Ms. Anushree Chandragade	Water Supply Engineering and Waste Water (EE-II)	28 th August, 2021

□ Faculty Achievements

A. Webinar FDP/Workshop/etc. attended by Faculty

1. Two Weeks Faculty Development Programme (01)

Sr.No.	Name of Faculty	Attended	Organized By	Date
1	Dr. A.K. Gaikwad	Two Weeks Certificate course on “Comprehensive On-line Patent Information” by Dr. Rahul Kapoor.	Turnip Innovations	27 th February, 2021 to 14 th March, 2021

2. One Week Faculty Development Programme (04)

Sr. No.	Name of Faculty	Attended	Organized By	Date
1	Dr. S.T. Mali	Successfully completed the five days intensive workshop on ‘Work Study – Towards Effective Productivity’	SIG coordination team PCCOE, Pune	4 th to 8 th , October 2021
2	Mr. S.B. Gorade	Participating in online Faculty Development Programme (FDP) on ‘Computer Applications in Civil Engineering’	Geethanjali College of Engineering and Technology, Department of Civil Engineering, (Civil Engineering Technical Association-CETA)	20 th to 25 th September, 2021
3	Mr. S.B. Gorade	Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Recent Developments in construction Technology addressing Infrastructure and Costal Engineering"	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune	9 th -13 th August, 2021
4	Mr. T.S. Khambekar	Five day Online Short Training Program on ' An Introduction to Statistical Procedures and Analysis for Engineers'	VNIT, Nagpur	12 th -16 th July, 2021
5	Mr. T.S. Khambekar	Online Training on ' Dumpsite Remediation and Landfill Management'	Anil Agarwal Environment Training Institute (A unit of Center of Science and Environment)	20 th -27 th August, 2021
6	Ms. Anushree Chandragade	Successfully completed AICTE-ISTE approved one week faculty development	Dr. D.Y. Patil Institute of Engineering, Management &	18 th -22 nd October, 2021

		program (FDP) on 'Sustainable waste management'	Research, Akurdi, Pune	
7	Ms. Anushree Chandragade	Five Days workshop on 'Manuscript preparation for International Journal'	SIG coordination team, PCCoE Nigdi Pune	5 th -9 th July, 2021

3. Four/Three Days Webinar attended by Faculties. (05)

Sr. No.	Name of Faculty	Attended	Organized By	Date
1	Dr. G.W. Rathod	Successfully participated in the Indo-Chile workshop on "Recent Advancements in Geotechnical Earthquake Engineering"	Indo-Chile workshop on Recent Advancements in Geotechnical Earthquake Engineering	7 th -9 th September, 2021.
2	Mr. S.B. Gorade	Successfully participated in Three days Online workshop on "Implementation and Execution of third year Civil Engineering 2019 pattern syllabus"	Anantrao Pawar College of Engineering & Research, Pune	7 th -9 th September, 2021.
3	Mrs. R.R. Purohit	Faculty Orientation Program on "Relative Grading-features, implementation and challenges"	Pimpri Chinchwad College of Engineering, Nigdi, Pune	21 st to 24 th September, 2021
4	Ms. Anushree Chandragade	Faculty Orientation Program on "Relative Grading-features, implementation and challenges"	Pimpri Chinchwad College of Engineering, Nigdi, Pune	21 st to 24 th September, 2021
5	Mr. Praful Shinkar	Three-day faculty development program on 'Emerging Transportation Technologies for sustainable smart cities'	Civil Engineering Department, Thiagarajar College of Engineering, Madurai	24 th to 26 th November, 2021.

5. One Day Webinar attended by Faculties. (01)

Sr. No.	Name of Faculty	Attended	Organized By	Date
1	Mr. Praful Shinkar	Webinar on STONE MATRIX ASPHALT delivered by Mr. Sant Kumar Sehgal (Technical Consultant, J.Rettenmaier India Pvt. Ltd., Thane)	Darshan University, Rajkot in association with J.Rettenmaier & Sohne, Germany)	04 th December, 2021

B. Faculty Training Programme

1. Dr. G.W. Rathod has undergone Innovation Ambassador training (Foundation Level, Total 16 Sessions of 30 contact hours) conducted by MoE's Innovation Cell & AICTE during the period from 30th June to 30th July, 2021 in online mode.

Faculty Interaction with outside world (03)

1. Dr. D.S. Lal invited at Pune Construction Engineering Research Foundation (PCERF), for Research Proposal presentation, titled 'Development and Optimization of 3 D Concrete Printer with Digital Twinning Operation from Mixing to Printing' in Board of Director's Meeting, PCERF Office, Erandwane, Pune on 25th October, 2021.
2. Dr. D.S. Lal invited at Pune Construction Engineering Research Foundation (PCERF), for Research Proposal presentation, titled 'Development of Programmable Aerial Vehicle- A Drone for Layout Marking, Structures Measurement and Monitoring' in Board of Director's Meeting, PCERF Office, Erandwane, Pune on 25th October, 2021.
3. Dr. D.S. Lal invited at Pune Construction Engineering Research Foundation (PCERF), for Research Proposal presentation titled 'Development of Automated Layout Marking Vehicle for Layout Marking of Civil Structures' in Board of Director's Meeting, PCERF Office, Erandwane, Pune on 25th October, 2021.

C. Invited Talks and Judge/Resource: (06)

1. Dr. S.T. Mali delivered expert session on 'Waste to Energy' AICTE ATAL FDP on Green Technology and Sustainability Engineering organized by Department of Civil and Environmental Engineering, KIT COE Kolhapur, on 26th November, 2021.
2. Dr. S. T. Mali delivered expert session on 'Anaerobic Bioreactor Landfill Technology for Green Renewable Energy Generation from Municipal Solid Waste' in one-week online FDP on Emerging Trends in Environmental Engineering organized by Guru Govind Singh College of Engineering and Research Nashik, department of Civil Engineering and ISTE on 10th August, 2021.
3. Dr. S. T. Mali delivered expert session on the subject 'Water Supply Engineering Including Laboratory' during three days online workshop on 'Implementation and Execution of Third Year Civil Engineering 2019 Pattern Syllabus' organized by APCOER and Members of BOS, Civil Engineering, SPPU on 7th September, 2021.
4. Dr. G.W. Rathod delivered expert session Ground Response Analysis and Uncertainty Modelling using Monte Carlo Simulations in Three Days Talk Series, Answers to What next, PCCOE Pune, during 29th- 31st July, 2021.
5. Dr. G.W. Rathod delivered expert session on topic 'Everything about Journals' at Five Days Intensive Workshop on Manuscript Preparation for International Journal, PCCOE Pune, during 5th – 9th July, 2021.
6. Dr. G.W. Rathod delivered expert session on topic 'Contents of Manuscript' at Five Days Intensive Workshop on Manuscript Preparation for International Journal, PCCOE Pune, during 5th – 9th July, 2021.

Student Achievements

a) UG Civil Placement for AY 2021-22 (No. of students: 08)

Sr No.	Name of the Student	Name of the Company	Academic Year
1	Surabhi Chavhan	Accenture/ Cognizant	2021-22
2	Aditya Rudrakanthawar	Wipro	2021-22
3	Amit Hire	Wipro	2021-22
4	Mayuri Dake	Cognizant	2021-22
5	Dipali Padme	Cognizant	2021-22
6	Chetan Shevanti	Cognizant	2021-22

b) Participation and Awards

Student Achievements

1. B.E Civil student Shivam Bondre being Naval NCC cadet, had actively participated in 'Combined Annual Training camp (CATC) from 12th – 21st September, 2021. Camp includes activities like - NCC academic lectures on special Subjects, drill, firing, exposure to various armed forces and their weapons and activities like cultural programme, physical training, yoga which develop leadership skills and encourage youth to join Indian Armed forces.

2. B.E Civil student Shivam Bondre passed written exam of Airforce named as 'Airforce Common Admission Test' (AFCAT) which was conducted in month of August by Indian Airforce and qualified for next stage of selection process (SSB Interview)

S.E, T.E, B.E (UG Civil Students)

1. Student's participation in Competition (03)

Sr. No.	Name of Students	Class/Year	Event	Organized by	Date	Prize detail
TE Civil (03)						
1	Shrutam Chhallani	T.E Civil	DOME Building competition	DIT ASCE International Student Chapter DYPIT, Pimpri	1 st to 18 th November, 2021	3 rd Rank
2	Isha Mali	T.E Civil	DOME Building competition	DIT ASCE International Student Chapter DYPIT, Pimpri	1 st to 18 th November, 2021	3 rd Rank
3	Pratham Agarwal	T.E Civil	DOME Building competition	DIT ASCE International Student Chapter DYPIT, Pimpri	1 st to 18 th November, 2021	3 rd Rank

2. Webinar/Event (technical) attended by SY B-tech, TE, BE (UG Civil Students) (15)

Sr. No.	Name of Students	Class/Year	Event	Organized by	Date	Prize detail
S.Y Civil (06)						
1	Aakanksha Dangade	S.Y. B-tech	Online Workshop on Introduction to firmware development	Skill Lync Mood Indigo IIT Bombay	2021	Participation
2	Aakanksha Dangade	S.Y. B-tech	Successfully completed Aspire and	Infosys Springboard	August, 2021	Participation

			achieve programme			
3	Shraddesh Pradeep Shirode	S.Y. B-tech	Three Days Intensive Workshop on "Universal Human Values".	Department of Civil Engineering, PCCOE.	11 th -13 th October, 2021.	Participation
4	Tejas Anil Kale	S.Y. B-tech	Three Days Intensive Workshop on "Universal Human Values"	Department of Civil Engineering, PCCOE.	11 th -13 th October, 2021.	Participation
5	Anjali Ankush Ghule	S.Y. B-tech	Three Days Intensive Workshop on "Universal Human Values"	Department of Civil Engineering, PCCOE.	11 th -13 th October, 2021.	Participation
6	Vishal Hemant Lad	S.Y. B-tech	Three Days Intensive Workshop on "Universal Human Values"	Department of Civil Engineering, PCCOE.	11 th -13 th October, 2021.	Participation
TE Civil (03)						
1	Hande Omkar Balaji	T.E Civil	Online Workshop on AutoCAD- 2 D	ACADD Center	16 th November, 2021	Participation
2	Shrutam Chhallani	T.E Civil	One Day online Session Analysis of water distribution network using EPANET Software	Department of Civil Engineering, PCCOE.	18 th November, 2021	Participation
3	Siddhi Kadam	T.E Civil	Health Monitoring of concrete structures through Non-Destructive Testing Technologies	Ultratech Cement Pvt. Ltd	21 st August, 2021	Participation
BE Civil (06)						
1	Yogesh Biradar	B.E Civil	Multicloud4U Training on Alibaba Cloud	Alibaba Cloud	25 th August, 2021	Participation

2	Jaydip Patil	B.E Civil	Health Monitoring of concrete structures through Non-Destructive Testing Technologies	Ultratech Cement Pvt. Ltd	21 st August, 2021	Participation
3	Yogesh Biradar	B.E Civil	Five Days Intensive Workshop on "Computer Networks - An Insight	Department of Civil Engineering, PCCOE	23 rd – 27 th August, 2021	Participation
4	Yogesh Biradar	B.E Civil	Engineering Virtual Program	Forage, Goldman Sachs	30 th September, 2021	Participation
5	Aakanksha Waghmare	B.E Civil	Health Monitoring of concrete structures through Non-Destructive Testing Technologies	Ultratech Cement Pvt. Ltd	21 st August, 2021	Participation
6	Kushal Kirve	B.E Civil	Health Monitoring of concrete structures through Non-Destructive Testing Technologies	Ultratech Cement Pvt. Ltd	21 st August, 2021	Participation

Online Course Completed by UG Civil S.Y B-tech, T.E, B.E, Students (06)

Sr. No	Name of Student	Class/ Year	Course on	Date
S.Y. B-Tech (01)				
1	Aakanksha Dangade	S.Y. B-Tech	Learners Achievement Verification, Online course on Construction safety and Health, Score -96% by Alison	August, 2021
TE Civil (04)				
1	Siddhi Kadam	T.E Civil	Corporate Finance Institute- Accounting Fundamentals	13 th September, 2021
2	Siddhi Kadam	T.E Civil	Corporate Finance Institute- Reading Financial Statements	13 th September, 2021
3	Rushikesh Shivkumar Nikude	T.E Civil	MOOC: Nature-based Solutions for Disaster and Climate Resilience	23 rd June, 2021

4	Onkar Hande	T.E Civil	Successful completion of AutoCAD 2D & 3D in Hindi by Udemy	4 th December, 2021
BE Civil (01)				
1	Shivani Kamat	B.E Civil	NPTEL - Municipal Solid Waste Management (Secured 51%)	July- October, 2021 (12 Weeks)

Internship completed by UG Civil S.Y. B-Tech, TE, BE, Students (01)

Sr. No	Name of Student	Class/ Year	Internship details	Date
SE Civil (01)				
1	Tejas Anil Kale	S.Y. B-tech	Successfully completed the three months (8 September, 2021 to 1 December, 2021) professional internship programme at project of constructing row bungalow of Mr. Shailesh Shinde, Ahmednagar, Balaji Construction	8 th September – 1 st December, 2021

Paper Published by UG Civil S.Y. B-Tech, TE, BE, Students (06)

Sr. No	Name of Student	Class/ Year	Course on	Date
S.Y B-Tech Civil (06)				
1	Vishal Lad	S.Y B-Tech	Paper Published paper on topic 'Smart Home Technologies' in IJRASET Volume 9, Issue VIII, August 2021	August, 2021
2	Gaurav Brahmankar	S.Y B-Tech	Paper Published paper on topic 'Smart Home Technologies' in IJRASET Volume 9, Issue VIII, August 2021	August ,2021
3	Ishika Suryawanshi	S.Y B-Tech	Paper Published paper on topic 'Smart Home Technologies' in IJRASET Volume 9, Issue VIII, August 2021	August, 2021
4	Bhavesh Patil	S.Y B-Tech	Paper Published paper on topic 'Smart Home Technologies' in IJRASET Volume 9, Issue VIII, August 2021	August ,2021
5	Nikita Tamnar	S.Y B-Tech	Paper Published paper on topic 'Smart Home Technologies' in IJRASET Volume 9, Issue VIII, August 2021	August ,2021
6	Divya Pawar	S.Y B-Tech	Paper Published in IJARESM on Bidirectional Visitor Counter with Automatic Room Light Controller, IJARESM, Impact Factor: 7.429, Volume 9 Issue 8	August- 2021

PG Construction Management

AY 2021-22, Semester -I Academic progress of S.Y M-Tech. CM

1. (11) S.Y M-Tech Construction Management Students taking internship program, (05) S.Y M-Tech Students successfully completed MOOC courses, (02) SY M-Tech CM Students are into entrepreneurship.
2. Internship/MOOC/Entrepreneurship presentation Review I has completed.
3. Dissertation Review -II has been successfully completed.

Result Analysis

A. Result analysis of FY M-Tech (Construction Management) academic year 2020-21 Semester-II

Result	No. of Students (Total =18)	Percentage (%)
Distinction	16	88.89
First Class	01	5.56
Higher Sec. Class	01	5.56
Second Class	00	-
Pass Class	00	-
Total All Clear Students	18	100
Total successful with ATKT	18	100
Failed in one subject	00	-
Failed in two subjects	00	-
Failed in three and more than three subjects	00	-

C. Webfair organized by PG CM Department (04)

Sr. No.	Date	Webinar on	Speaker	Objective
1	05 th December, 2021	“Future of Construction” through digital app	Ms. Viswa Shah, Olous, Digital Construction App, Marketing Head	1. To make aware with the digital app, 2. To provide list of vendors, Project managers for data collections and knowledge sharing, 3. To provide job opportunities
2	12 th December, 2021	Research Writing and Citations	Dr. Pankaj R. Mali	1. To enhance research paper writing, 2. To give credit to the research writing, 3. To allow the reader to locate sources of the research.
3	19 th	Innovations and Asset	Mr. Pranav Tagwale , Hilti India	1. To make aware about know

	December, 2021	management in building construction		how our construction industry in moving forward 2. To give platform to the technocrats to achieve and share different data of the construction industry 3. To give placement opportunities to the Engineering students in construction industry
4	26 th December, 2021	Research writing and citations	Dr. Pankaj R. Mali	1. To enhance research paper writing, 2. To give credit to the research writing, 3. To allow the reader to locate sources of the research.

Site Visit (01)

1. Virtual site visit to stone crushing plant at Aditya Infraprojects, Pune under subject Professional Elective Lab-II for F.Y. M-Tech Construction Management students on 26th July, 2021.

Student Achievements (PG Construction Management)

PG Construction Management Student's Placement for Sem-II AY 2020-21 (No. of students: 01)

Sr No.	Name of the Student	Name of the Company	Academic Year
1	Krishna Gupta	Paperpedia Pvt. Ltd	2020-21

PG Construction Management Student's Internship for Sem-II AY 2020-21 (No. of Students: 01)

Sr No.	Name of the Student	Name of the Company	Duration
1	Ms. Sayali Pillare	Central India Engineering	(20 days) 11 th -30 th January, 2021

Copy Right by Students

1. ME CM Student Akshay Maroti Pudke, Akash Govalkar registered for copyright on mathematical model to calculate time for initializing corrosion in reinforcement, filled provisional patent on "Automated layout marking instrument for building layout marking in construction industry".
2. ME CM Student K.H. Gupta received copy right on research topic "Optimization of dispatching schedule of RMC plant with multi plant and multi-site operation condition.", 14638/2021, dated 15th June, 2021.

Online Course Completed by PG: SY M-Tech CM Students (10)

Sr. No	Name of Student	Class/ Year	Course on	Date
SY M-Tech Construction Management (10)				
1	Shruti Tadge	SY M-Tech CM	Udemy course on 3D printing with Ultimaker CURA	29 th October, 2021
2	Sayali Chavan	SY M-Tech CM	Corporate Finance Institute – Course on Introduction to Corporate finance	1 st July, 2021
3	Sayali Chavan	SY M-Tech CM	Corporate Finance Institute – Course on Excel crash course	1 st July, 2021
4	Aditya Shekar	SY M-Tech CM	Coursera -3D printing revolution, University of Illinois	9 th November, 2021
5	Aditya Shekar	SY M-Tech CM	CADD centre training services, pune, Course on STAAD.Pro	9 th August, 2021
6	Aditya Shekar	SY M-Tech CM	CADD centre training services, pune, Course on Autodesk quantity takeoff	9 th August, 2021
7	Aniket Bhausahab Rupwate	SY M-Tech CM	Construction skill development, high rise building quantity surveying & estimation with business orientation rate analysis	18 th November, 2021
8	Ratnadeep Waghmare	SY M-Tech CM	MathWork Training services, MATLAB onramp	14 th November, 2021
9	Ratnadeep Waghmare	SY M-Tech CM	MathWork Training services, MATLAB fundamentals	18 th November, 2021
10	Piyush Sancheti	SY M-Tech CM	Coursera- Budgeting and Scheduling Projects, Division of Continuing Education	30 th November, 2021

NPTEL successfully completed by S.Y. M-Tech CM Students (01)

Sr. No.	Name of Student	Name of Course	Duration	Score/Certificate
1	Kunal Patil	Innovation Business Models and Entrepreneurship	August-October, 2021 8 weeks course	68% Elite

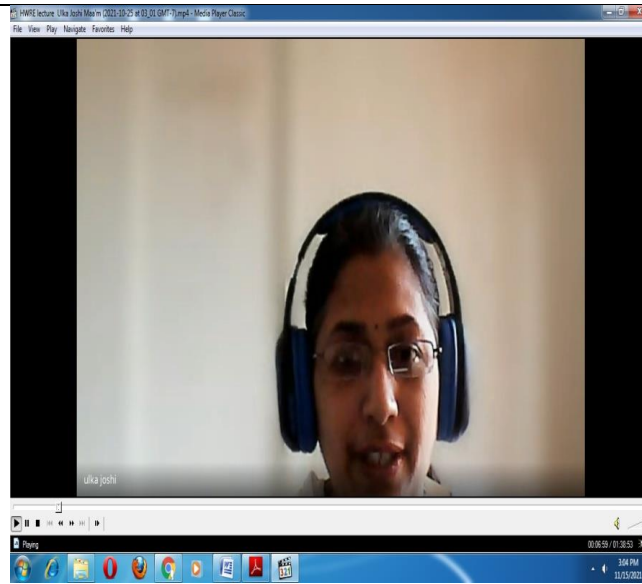
Internship Programme for SY M-Tech CM Students (06)

Sr. No.	Name of Students	Name of Company	Work done by Student details	Duration
1.	Sayali Satish Chavan	Estimators Online Pune Pvt. Ltd. Viman nagar, Pune	Converting building drawings using in-house developed software and industry-leading paperless quantification systems. Specializing in domestic extensions, conversions,	27 th September to 15 th November, 2021

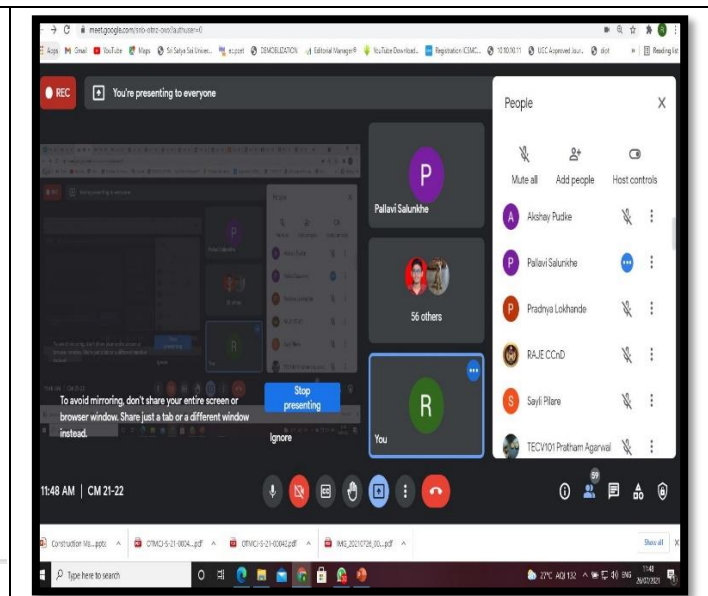
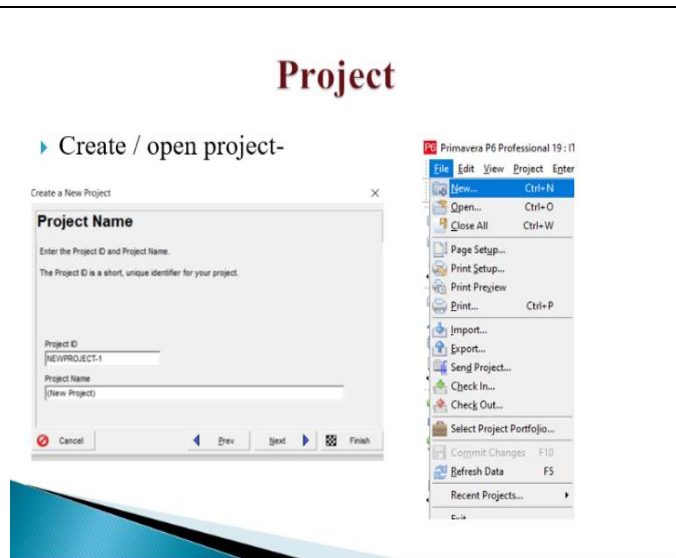
			refurbishments and new build dwellings, estimates can be customized online ready for submission.)	
2	Kshitija Kulkarni	Creative valuers and engineering	Working as trainee in property valuation	25 th October, 2021 onwards for two months
3	Aniket Bhausahab Rupwate	Floor-Space India Pvt. Ltd. a. Geberit India Manufacturing Private Limited b. Dana India Pvt Ltd. c. Dana TM4	Industrial Interior Work includes, ACP Work Open Ceiling Work False Ceiling work Waterproofing work. Grouting, painting, Aluminum Skirting, Gypsum Work. Modular Furniture Glass Work Silicone work Epoxy injection Grouting	1 st October, 2021 Total duration of internship: 3 Months
4	Abhishek Navnath Argade	S L SANGALE CONSTRUCTION Imperial Complex	Assistant Site Engineer working for executing construction of foundation along with the beams, columns and slab of first floor	12 th October, 2021 Duration of Internship: 6 weeks
5	Shreyas Reonnath Papal	Rohan Builders and developers Pvt. Ltd. Rohan Anand, Somatane	Planning Engineer - Tracking Daily progress, scheduling, Coordinate with Head office	Date of joining- 09 th November, 2021 Total duration of internship- 6 months
6	Kalpesh Khairnar	Site: Paradise, Amarnath Group of Companies	Site Engineer Intern 10 floor RCC, upto 6 floors Brick work plaster work done.	Joining Date – 1 st November, 2021

Dr. S. T. Mali
Head of the Department

Guest Lecture



Guest Lecture on ‘Q – GIS software application in hydrology (watershed delineation)’ by Mrs. Ulka Joshi on 25th October, 2021.



Guest Lecture on Construction Management using Primavera by Miss. Pallavi Salunkhe on 26th July, 2021.

Site Visit and Industrial Visit



PCCoE New Hostel building, PCCoE campus, Nigdi, Pune. Shri. Rajesh Chitte, contractor of this project, and Mr. Amit Pansare, site in-charge of the project guided students during this site visit on 27th October, 2021.



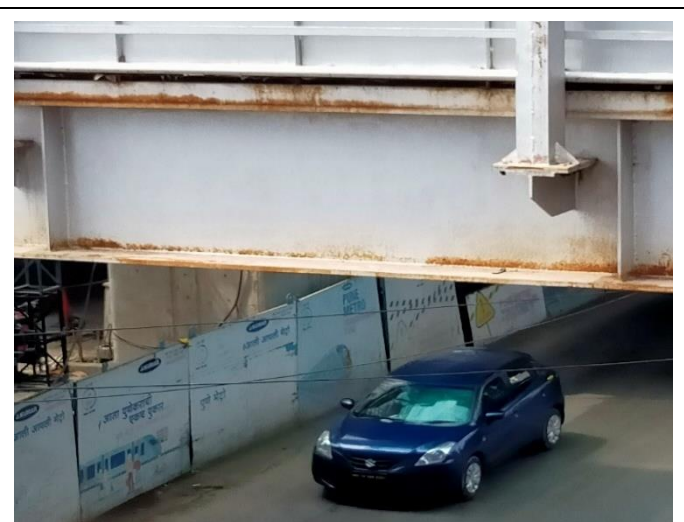
Beam and deck components of Mivan formwork and concrete casting was going on for tower 2 slab at Godrej green cove at Riverhill, Balewadi Rd Mahalunge, Pune on 9th November, 2021.



Wall panel system in Mivan forwork and Mr. Omkar Patil site engineer explained the details at Godrej green cove at Riverhill, Balewadi Rd Mahalunge, Pune on 9th November, 2021.



Framework of Tower-2 & Mr. Abhaykumar (Asst.Engg) explained the features of Mivan construction at Godrej green cove at Riverhill, Balewadi Mahalunge, Pune on 9th November, 2021.



Pune Railway Station for structural members such as trusses, columns, column bases, connections, of column & baseplate, plate girder etc., conventional steel construction and challenges on 9th October, 2021.



Sai Millenium commercial complex, Vadhwani Construction, Pune on 15th November, 2021



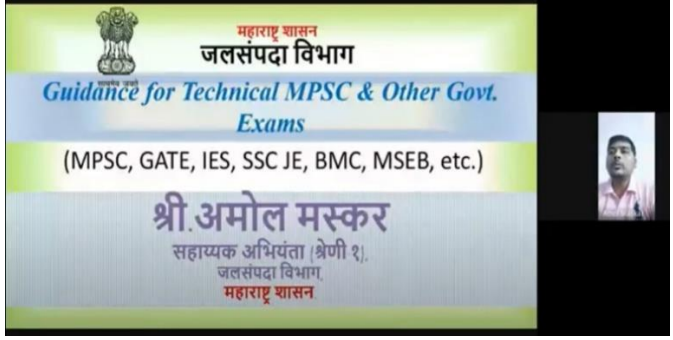




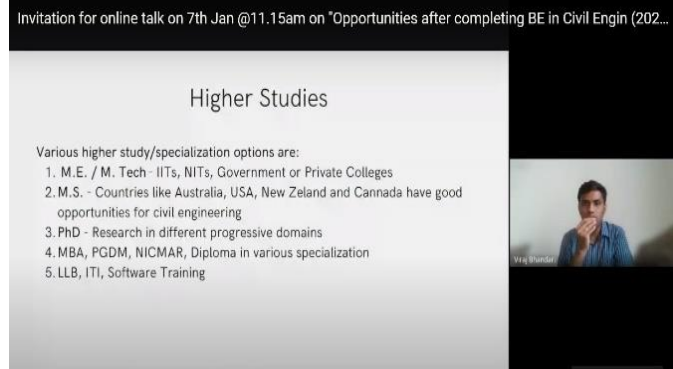
Govt. Road Construction, Rajgurunagar, Pune on 20th November, 2021



Dr. A.K. Gaikwad along with 10 students from PCCOE Civil Department visited ATAL Tunnel at Rohtang, Manali, to see the technical details of the Tunnel construction under AICTE YUVAK scheme from 25th to 30th October, 2021.

Induction program arranged in department

T.E. Civil Induction Program organized on 8th to 12th July, 2021

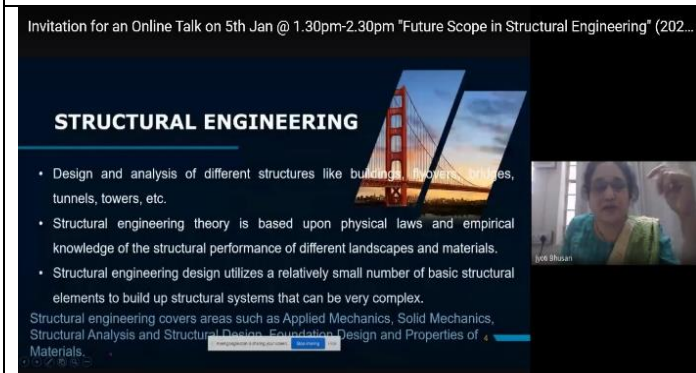
	
<p>Guidance for Technical MPSC & other Govt. exams by Mr. Amol Maskar</p>	<p>Case Study of World's Highest Bridge by Dr. Ganesh Rathod</p>
	
<p>Session on Well foundation by Mrs. Suman Jain</p>	<p>Overview of Pune Metro Project by Mr. Gautam Birhade</p>
	
<p>Research as a Career Option by Dr. Hemant Dhonde</p>	<p>Session on "Opportunities after completing BE in Civil Engineering" by Mr. Viraj Bhandari</p>



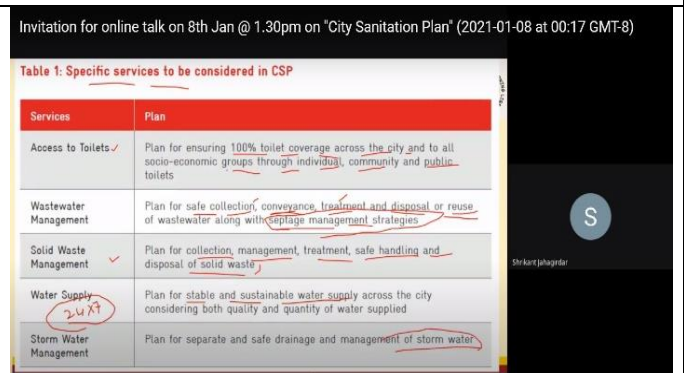
Session on Civil Engineering Structures - Planning to Execution by Er. Santosh Patane



Session on “Necessary skill sets required for a Structural Engineer to enter a Construction firm” by Er. Sachin Yadav.

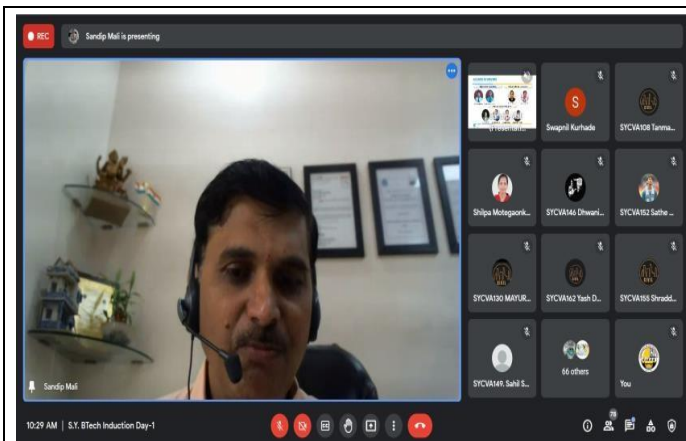


Session on “Future Scope in Structural Engineering” by Dr. J. P. Bhusari

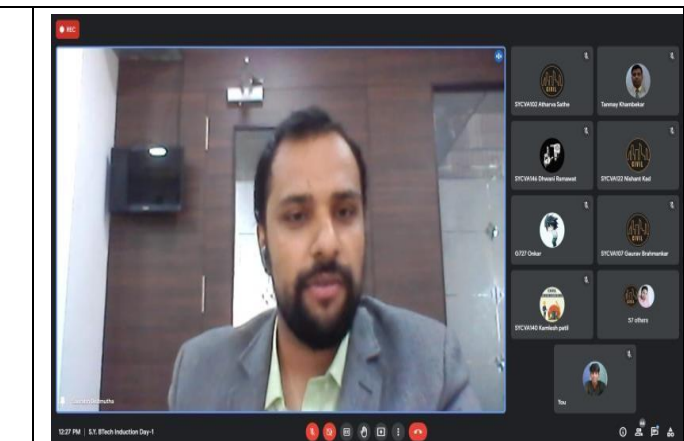


Session on “City Sanitation Plan (CSP)” by Dr. Shrikant Jahagirdar

S.E. Civil Induction Program organized on 11th to 13th October, 2021



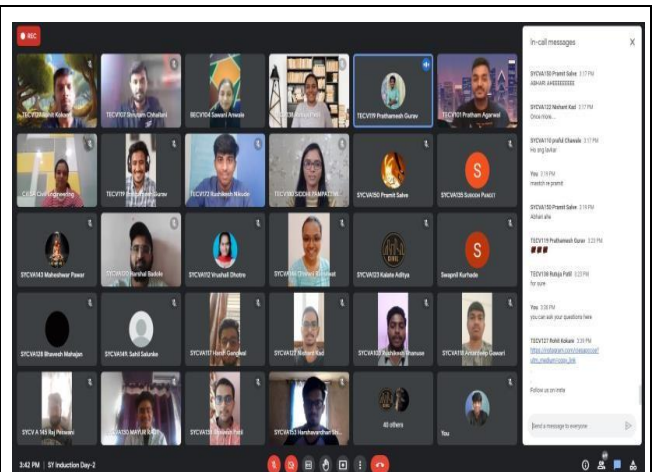
HOD Civil dept. Dr. S. T. Mali addressing SY students



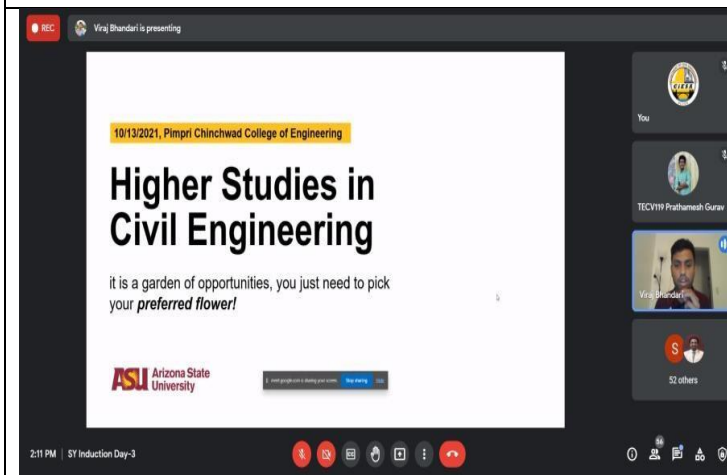
Talks on Entrepreneurship and student interaction During Department Introduction session



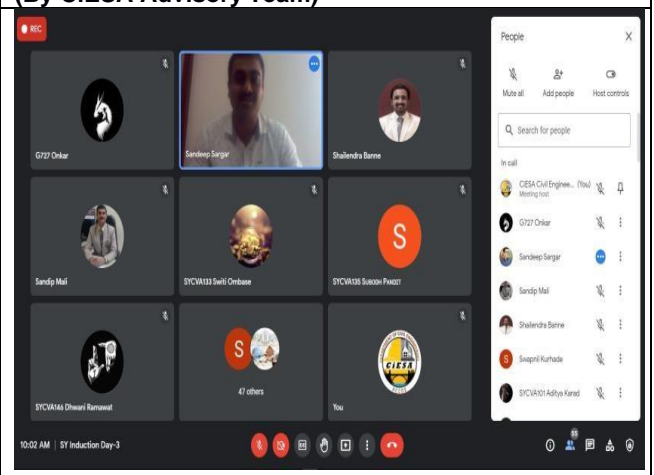
Placement preparation Advice and SWOT analysis talks



Guessing game along with SY Students in Happy hour session (By Amarnath Taya) (By CiESA Advisory Team)

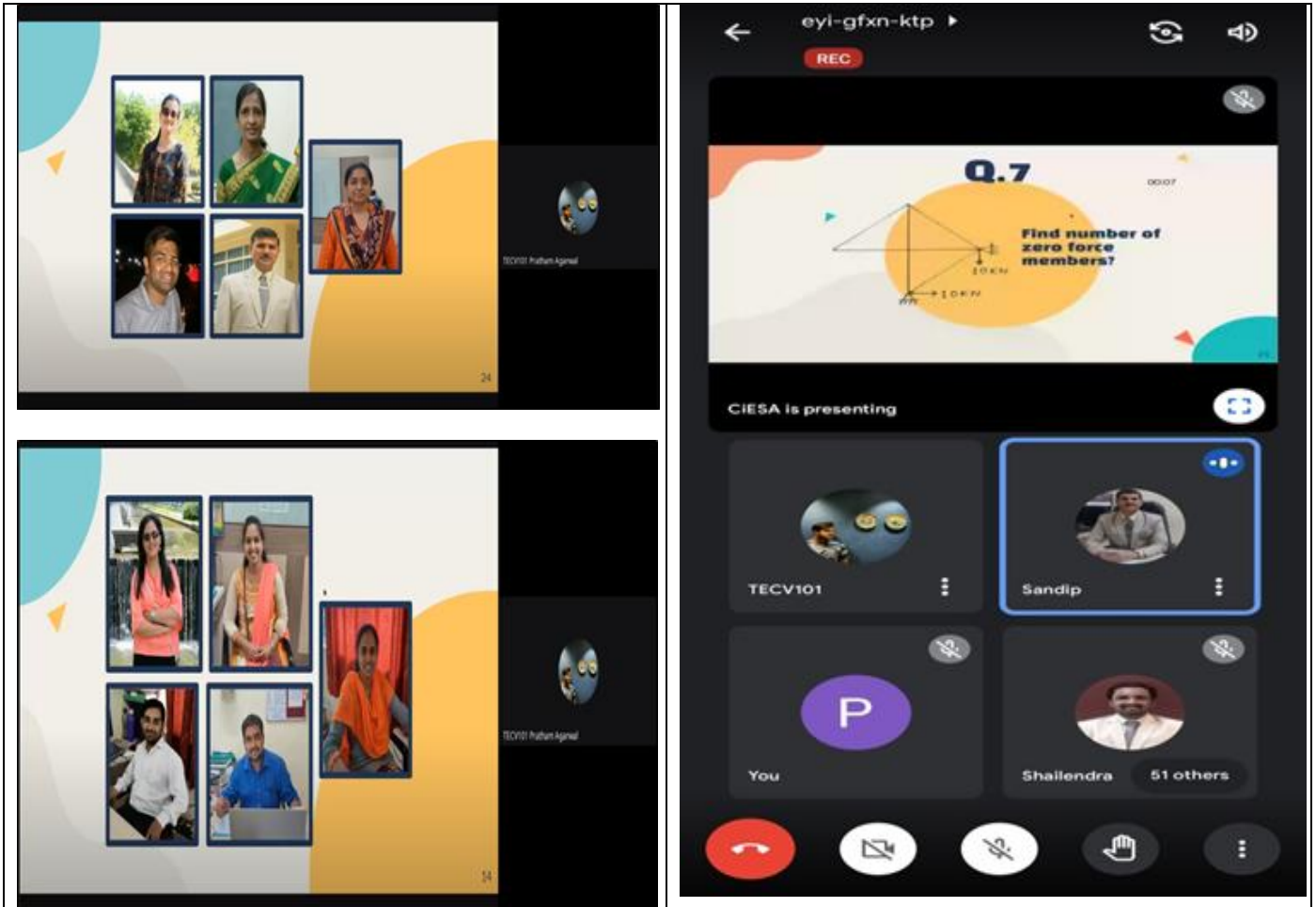


Session on higher studies and their benefits

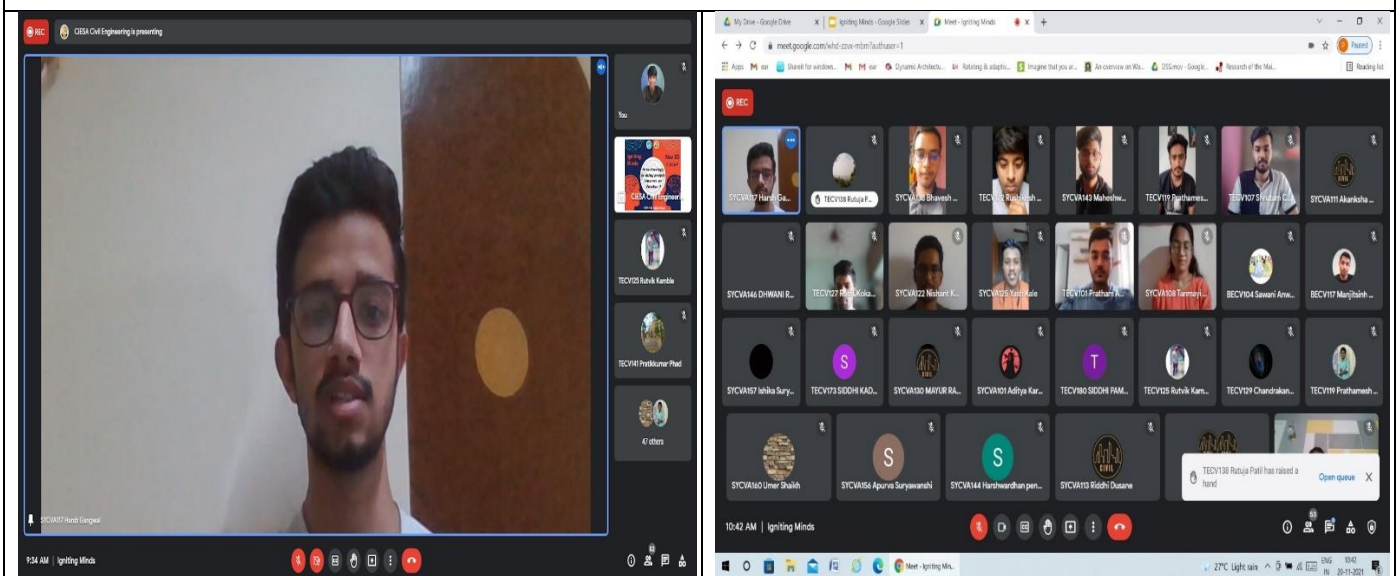


Guest interaction with the students to know their future goals (by Mr. Viraj Bhandari)

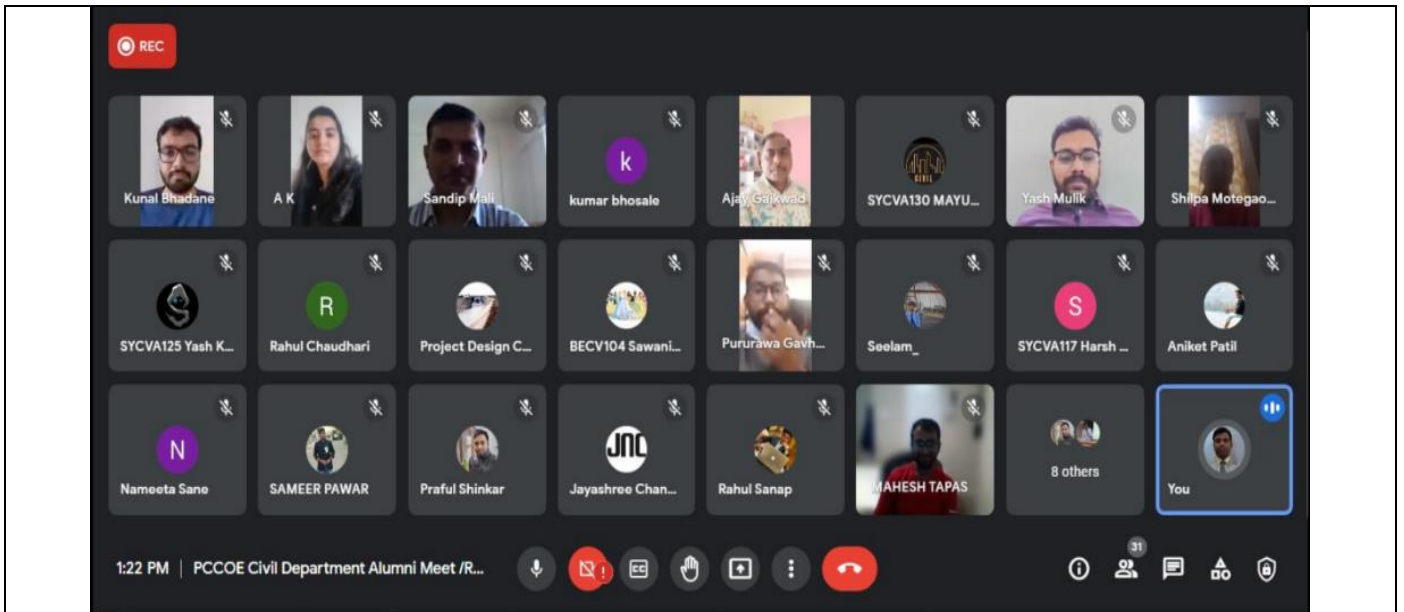
Some Glimpses of Civil Engineering Students Association (CiESA)



Celebration of Teacher's Day to Express the gratitude to Teaching and Non-Teaching Staff of Civil Engineering Department on 6th September, 2021



Igniting Mind to evaluate certain attributes in students that can be shared with each other and to have a healthy discussion on modern problems on 21st November, 2021.



Alumni Meet to interact with the Alumni of the Civil department and to get to know each other and improve the structure of the department overall on 21st November, 2021.

Copyright by Faculties and Students

Copyright Office
Government of India

Extracts from the Register of Copyrights

Date: 12/06/2021

1. Registration Number: **SW-14638/2021**

2. Name, address and nationality of the applicant: **DR. AJAY KRISHNA HIRANSHI GUPTA, 1396 GUPTA NIWAS, POKHIMAY (A HAWAII) AND SHANKAR BHAI MOODHARJI, CHEERAT, PIN-764124 INDIA. DR. AJAY KRISHNA HIRANSHI GUPTA, 1396 GUPTA NIWAS, POKHIMAY (A HAWAII) AND SHANKAR BHAI MOODHARJI, CHEERAT, PIN-764124 INDIA.**

3. Nature of the applicant's interest in the copyright of the work: **AUTHOR**

4. Class and description of the work: **COMPUTER SOFTWARE WORK: OPTIC ALGORITHM BASED OPTIMIZATION TOOL FOR DISPATCHING SCHEDULE OPTIMIZATION OF READY MIXED OPERATION CONDITION.**

5. Title of the work: **OPTIMIZATION OF DISPATCHING SCHEDULE FOR READY MIXED OPERATION CONDITION.**

6. Language of the work: **MAHARASHTRA**

7. Name, address and nationality of the author and if the author is deceased, date of his decease: **DR. AJAY KRISHNA HIRANSHI GUPTA, 1396 GUPTA NIWAS, POKHIMAY (A HAWAII) AND SHANKAR BHAI MOODHARJI, CHEERAT, PIN-764124 INDIA. DR. AJAY KRISHNA HIRANSHI GUPTA, 1396 GUPTA NIWAS, POKHIMAY (A HAWAII) AND SHANKAR BHAI MOODHARJI, CHEERAT, PIN-764124 INDIA.**

8. Whether the work is published or unpublished: **UNPUBLISHED**

9. Year and country of first publication and name, address and nationality of the publisher: **N/A.**

10. Name and complete of subsequent publications, if any, and names, addresses and nationalities of the publishers: **N/A.**

11. Names, addresses and nationalities of the owners of certain rights comprising the copyright in the work, together with particulars of assignments and licenses, if any: **DR. AJAY KRISHNA HIRANSHI GUPTA, 1396 GUPTA NIWAS, POKHIMAY (A HAWAII) AND SHANKAR BHAI MOODHARJI, CHEERAT, PIN-764124 INDIA. DR. AJAY KRISHNA HIRANSHI GUPTA, 1396 GUPTA NIWAS, POKHIMAY (A HAWAII) AND SHANKAR BHAI MOODHARJI, CHEERAT, PIN-764124 INDIA.**

12. Name, address and nationality of other persons, if any, authorized to assign or license of rights comprising the copyright: **N/A.**

13. If the work is an 'Artistic work', the location of the original work, or the copies made in pursuance of the provisions of the Copyright Act, 2000 if any: **N/A.**

14. If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the applicant should furnish a certification from the Registrar of Trade Marks in terms of Section 17 of Section 44 of the Copyright Act, 1957: **N/A.**

15. If the work is an 'Artistic work' whether it is registered under the Design Act, 2000 if any: **N/A.**

16. If the work is an 'Artistic work', capable of being registered as a design under the Design Act, 2000 whether it has been applied to an article through the industrial process and if yes, the number of times it is applied: **N/A.**

17. Remarks, if any: **N/A.**

Diary Number: **1132/2021 CO/SW**

DEPUTY REGISTRAR OF COPYRIGHTS

Dr. A.K. Gaikwad received copy right on research topic 'Optimization of dispatching schedule of RMC plant with multi plant and multi-site operation condition. Registration No. SW-14638/2021

Copyright Office
Government of India

Extracts from the Register of Copyrights

Date: 10/06/2021

1. Registration Number: **SW-14794/2021**

2. Name, address and nationality of the applicant: **DR. AJAY KRISHNATH GAIKWAD, 404 SWAPRAJ AVENUE, S B PATE SCHOOL ROAD, BHARHAR WADI RAVEE, PUNE-411009. DR. B. B. THAKARE, PRINCIPLE ANANT RAO PAWAR COLLEGE, PUNE. PIN-411009. INDIA.**

3. Nature of the applicant's interest in the copyright of the work: **AUTHOR**

4. Class and description of the work: **COMPUTER SOFTWARE WORK: INSPECTING SCHEDULE OPTIMIZER FOR READY MIX CONCRETE PLANT.**

5. Title of the work: **MATHS**

6. Language of the work: **MAHARASHTRA**

7. Name, address and nationality of the author and if the author is deceased, date of his decease: **DR. AJAY KRISHNATH GAIKWAD, 404 SWAPRAJ AVENUE, S B PATE SCHOOL ROAD, BHARHAR WADI RAVEE, PUNE-411009. DR. B. B. THAKARE, PRINCIPLE ANANT RAO PAWAR COLLEGE, PUNE. PIN-411009. INDIA.**

8. Whether the work is published or unpublished: **UNPUBLISHED**

9. Year and country of first publication and name, address and nationality of the publisher: **N/A.**

10. Name and complete of subsequent publications, if any, and names, addresses and nationalities of the publishers: **N/A.**

11. Names, addresses and nationalities of the owners of certain rights comprising the copyright in the work, together with particulars of assignments and licenses, if any: **DR. AJAY KRISHNATH GAIKWAD, 404 SWAPRAJ AVENUE, S B PATE SCHOOL ROAD, BHARHAR WADI RAVEE, PUNE-411009. DR. B. B. THAKARE, PRINCIPLE ANANT RAO PAWAR COLLEGE, PUNE. PIN-411009. INDIA.**

12. Name, address and nationality of other persons, if any, authorized to assign or license of rights comprising the copyright: **N/A.**

13. If the work is an 'Artistic work', the location of the original work, or the copies made in pursuance of the provisions of the Copyright Act, 2000 if any: **N/A.**

14. If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the applicant should furnish a certification from the Registrar of Trade Marks in terms of Section 17 of Section 44 of the Copyright Act, 1957: **N/A.**

15. If the work is an 'Artistic work' whether it is registered under the Design Act, 2000 if any: **N/A.**

16. If the work is an 'Artistic work', capable of being registered as a design under the Design Act, 2000 whether it has been applied to an article through the industrial process and if yes, the number of times it is applied: **N/A.**

17. Remarks, if any: **N/A.**

Diary Number: **1146/2021 CO/SW**

DEPUTY REGISTRAR OF COPYRIGHTS

Dr. A.K. Gaikwad received copy right on research topic 'Dispatching schedule optimizer for ready mix concrete plant. Registration No. SW-14794/2021

Copyright Office
Government of India

Extracts from the Register of Copyrights

Date: 16/06/2021

1. Registration Number: **L-106119/2021**

2. Name, address and nationality of the applicant: **MR. RAJESH S. CHAUDHARI A 305, ARUNDELLI BAVFT RD, PIN-411044 INDIA. DR. SURESH K. CHAUDHARI A 305, ARUNDELLI BAVFT RD, PIN-411044 INDIA.**

3. Nature of the applicant's interest in the copyright of the work: **AUTHOR**

4. Class and description of the work: **LITERARY DIAMATIC WORK: EVALUATION OF LABOUR PRODUCTIVITY FOR HIGH RISE BUILDING PROJECTS (RII METHOD).**

5. Title of the work: **EVALUATION OF LABOUR PRODUCTIVITY FOR HIGH RISE BUILDING PROJECTS (RII METHOD).**

6. Language of the work: **ENGLISH**

7. Name, address and nationality of the author and if the author is deceased, date of his decease: **MR. RAJESH S. CHAUDHARI A 305, ARUNDELLI BAVFT RD, PIN-411044 INDIA. DR. SURESH K. CHAUDHARI A 305, ARUNDELLI BAVFT RD, PIN-411044 INDIA.**

8. Whether the work is published or unpublished: **UNPUBLISHED**

9. Year and country of first publication and name, address and nationality of the publisher: **N/A.**

10. Name and complete of subsequent publications, if any, and names, addresses and nationalities of the publishers: **N/A.**

11. Names, addresses and nationalities of the owners of certain rights comprising the copyright in the work, together with particulars of assignments and licenses, if any: **MR. RAJESH S. CHAUDHARI A 305, ARUNDELLI BAVFT RD, PIN-411044 INDIA. DR. SURESH K. CHAUDHARI A 305, ARUNDELLI BAVFT RD, PIN-411044 INDIA.**

12. Name, address and nationality of other persons, if any, authorized to assign or license of rights comprising the copyright: **N/A.**

13. If the work is an 'Artistic work', the location of the original work, or the copies made in pursuance of the provisions of the Copyright Act, 2000 if any: **N/A.**

14. If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the applicant should furnish a certification from the Registrar of Trade Marks in terms of Section 17 of Section 44 of the Copyright Act, 1957: **N/A.**

15. If the work is an 'Artistic work' whether it is registered under the Design Act, 2000 if any: **N/A.**

16. If the work is an 'Artistic work', capable of being registered as a design under the Design Act, 2000 whether it has been applied to an article through the industrial process and if yes, the number of times it is applied: **N/A.**

17. Remarks, if any: **N/A.**

Diary Number: **14416/2021 CO/L**

DEPUTY REGISTRAR OF COPYRIGHTS

Mr. R.S. Chaudhari received copy right on research topic 'Evaluation of labour productivity for high rise building projects (RII method) Diary no. 14416/2021-CO/L

Copyright Office
Government of India

Extracts from the Register of Copyrights

Date: 02/09/2021

1. Registration Number: **L-107157/2021**

2. Name, address and nationality of the applicant: **BANNE SHAH ENDESA PANDHARAO, A/P, DASHING, TAL. BAMBHURDAHANDE AT, DIST. NANDED, MAHARASHTRA, INDIA. DR. ANIL WAMANRAO DHANALAL, SAJ GARDENS, B/2 AT NO. 202, SHIVAJI NAGAR SOCIETY, L. DEHSHI, ORIENTAL BANK OF COMMERCE, BARORE ROAD, WAGHOLE PUNE, MAHARASHTRA-411007 INDIA.**

3. Nature of the applicant's interest in the copyright of the work: **AUTHOR**

4. Class and description of the work: **LITERARY DIAMATIC WORK: EXPERIMENTAL INVESTIGATION OF LATERITE SOIL STABILIZED WITH BIOPOLYMERS AND DEVELOPMENT OF PREDICTION MODELS FOR STABILIZED SOIL USING ARTIFICIAL NEURAL NETWORK.**

5. Title of the work: **EXPERIMENTAL INVESTIGATION OF LATERITE SOIL STABILIZED WITH BIOPOLYMERS AND DEVELOPMENT OF PREDICTION MODELS FOR STABILIZED SOIL USING ARTIFICIAL NEURAL NETWORK.**

6. Language of the work: **ENGLISH**

7. Name, address and nationality of the author and if the author is deceased, date of his decease: **BANNE SHAH ENDESA PANDHARAO, A/P, DASHING, TAL. BAMBHURDAHANDE AT, DIST. NANDED, MAHARASHTRA, INDIA. DR. ANIL WAMANRAO DHANALAL, SAJ GARDENS, B/2 AT NO. 202, SHIVAJI NAGAR SOCIETY, L. DEHSHI, ORIENTAL BANK OF COMMERCE, BARORE ROAD, WAGHOLE PUNE, MAHARASHTRA-411007 INDIA.**

8. Whether the work is published or unpublished: **UNPUBLISHED**

9. Year and country of first publication and name, address and nationality of the publisher: **N/A.**

10. Name and complete of subsequent publications, if any, and names, addresses and nationalities of the publishers: **N/A.**

11. Names, addresses and nationalities of the owners of certain rights comprising the copyright in the work, together with particulars of assignments and licenses, if any: **BANNE SHAH ENDESA PANDHARAO, A/P, DASHING, TAL. BAMBHURDAHANDE AT, DIST. NANDED, MAHARASHTRA, INDIA. DR. ANIL WAMANRAO DHANALAL, SAJ GARDENS, B/2 AT NO. 202, SHIVAJI NAGAR SOCIETY, L. DEHSHI, ORIENTAL BANK OF COMMERCE, BARORE ROAD, WAGHOLE PUNE, MAHARASHTRA-411007 INDIA.**

12. Name, address and nationality of other persons, if any, authorized to assign or license of rights comprising the copyright: **N/A.**

13. If the work is an 'Artistic work', the location of the original work, or the copies made in pursuance of the provisions of the Copyright Act, 2000 if any: **N/A.**

14. If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the applicant should furnish a certification from the Registrar of Trade Marks in terms of Section 17 of Section 44 of the Copyright Act, 1957: **N/A.**

15. If the work is an 'Artistic work' whether it is registered under the Design Act, 2000 if any: **N/A.**

16. If the work is an 'Artistic work', capable of being registered as a design under the Design Act, 2000 whether it has been applied to an article through the industrial process and if yes, the number of times it is applied: **N/A.**

17. Remarks, if any: **N/A.**

Diary Number: **1724/2021 CO/S**

Date of Application: **28/07/2021**

Date of Receipt: **28/07/2021**

DEPUTY REGISTRAR OF COPYRIGHTS

Mr. S.P. Banne received copy right on research topic 'Experimental investigation of Laterite soil with biopolymers and development of prediction models for stabilized soil using artificial neural network. Registration no. L-107157/2021, dated 2nd September, 2021.

Webinar Flyers



**Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering**
Nigdi-Pradhikaran, Pune-411044
NBA Accredited | NAAC Accredited with 'A' Grade | An Autonomous Institute
| AICTE Approved | ISO 9001: 2015 Certified | Permanently Affiliated to SPPU, Pune

Six day's workshop "Webfair 21" Organized by Civil Engineering Department, PCCoE.

EMINENT SPEAKER



Ms. Vishwa Shah
(Olous, Digital Construction App, Marketing Head)
"Future of Construction" through digital app

05th
December
2021

12th
December
2021

Mr. Yash Malik
(PG NTCMAR, Alumna PCCoE)
Demands of the industry from PG Students





Mr. Pranav Tagwale
(Specification Consultant at Hiti India)
Innovation and Asset management in Building Construction

19th
December
2021

26th
December
2021

Dr. Pankaj Mali
(Assistant Professor Civil Engineering Department, PCCoE)
Research Writing and Citations





Dr. Shitalkumar Rawandale
(Officer, Training and Placement Cell, PCCoE Pune)
Placements Hurdles and Opportunities in Civil Engineering

01st
January
2022


09th
January
2022

Mr. Kumar Bhosale
(Alumna PCCoE)
BIM and its application's



Coordinators:

Dr. Ajay K. Gaikwad +91 9822406840 ajay.gaikwad@pccoepune.org	Dr. Dhirajkumar S. Lal +91 9763710463 dhirajkumar.lal@pccoepune.org	Dr. Sandip T. Mali +91 9822288409 sandip.mali@pccoepune.org
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**PCET's
Pimpri Chinchwad College of Engineering
Department of Civil Engineering**
in association with
SIG: Water Resources and Environmental Engineering
organizes
Online Session on

Analysis of Water distribution network using EPANET software

Date: 18/11/2021 (Thursday)
Time: 11 am to 1 pm

What's in the session ?

- EPANET is a software application used throughout the world to model water distribution systems.
- We can analyze the water distribution networks.
- This session will be about providing a HANDS-ON knowledge on EPANET.



Ms. Deepali Vaidya
Guest Speaker, SKNSITS
Lonavala

Coordinators-
Dr. Sandip Mali (91 9822288409)
Ms. Anushree Chandragade (91 9673287869)

Dr. Govind N. Kulkarni
Director, PCCOE Pune

Registration link - <https://forms.gle/rd82CW6bcN7cU78CA>

E-Certificates will be provided