

# CONSTRUCTO

ACADEMIC 2019-2020

VOLUME -2

MAY 2020



Department of Civil Engineering  
St John College of Engineering and Management, Palghar

**Technical Magazine**

**Association of Civil Engineering [ACE]**

**Department of Civil Engineering**

**Even Semester 2019-20**



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### **Institute Vision**

"Excellence in Engineering Education & Creating Next-Gen Leaders / Managers in the Service of Society"

### **Department Vision**

"To create high quality Civil Engineers with global perspective and to inculcate in them professionalism and work ethics for building a stronger society"

### **Institute Mission**

- To impart quality engineering education for holistic development
- To provide conducive environment for joyful learning, innovation and research
- To promote innovative technology enabled teaching and learning process
- To nurture socially responsible engineers, entrepreneurs and leaders
- To enhance employability skills to meet the changing industrial trends

### **Department Mission**

- To nurture Civil Engineers with competent technical skills, professional and ethical values to serve the Nation.
- To transform the department into a centre of excellence in the field of Civil Engineers and allied research.
- To provide knowledge base through consultancy services to the community in all areas of Civil Engineers.
- To inculcate innovation and eco sustainable construction in the minds of budding Civil Engineers to face ever evolving challenges.

### **Quality Policy**

To impart quality professional education with conducive environment for technology enabled teaching-learning and to nurture socially responsible professionals with enhanced employability skills

### **Programme Educational Outcome**

- To provide outgoing graduates with sound basics in mathematics, science and engineering
- To imbibe technical skills, analysis and design, to solve civil engineering problems.
- To enable them to deal construction related issues in a responsible, professional and ethical manner for implementing eco-friendly, sustainable technologies.
- To make them realise the need of higher education, research and development in civil engineering.

### **Programme Outcomes (POs)**

- PO 1. Graduate will be able to Apply the knowledge of mathematics, applied sciences to civil engineering for the solution of complex engineering problems.
- PO 2. Graduate will be able to Identify, formulate, research literature, and solve problems in structural, construction management, hydraulic, transportation, and geotechnical stream of civil engineering.
- PO 3. Graduate will be able to Design solutions for complex civil engineering problems with appropriate consideration to safety, economy, health and environmental considerations.

- PO 4. Graduate will be able to 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.
- PO 5. Graduate will be able to Create, select, and apply appropriate upgraded civil engineering tools, techniques and resources, and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- PO 6. Graduate will be able to serve the society with engineering knowledge and onus on societal health, safety, legal and cultural issues.
- PO 7. Graduate will be able to understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the need for sustainable development.
- PO 8. Graduate will be able to Apply and Demonstrate ethical principles, commit to professional ethics, responsibilities and norms of the engineering practice.
- PO 9. Graduate will be able to deliver as a leader and good team player in diverse team and in multidisciplinary settings
- PO 10. Graduate will be able to have spoken and written skills of communication by being able to comprehend and effective reports, design documentation, make effective presentation, give and receive clear instructions.
- PO 11. Graduate will be able to coordinate as team member or the leader at the site projects, finance, and consultancy with ease in multidisciplinary environments.
- PO 12. Graduate will be able to 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.

### **Program Specific Outcomes (PSOs)**

- PSO1. Graduates will be able to apply engineering knowledge to plan and design structures creating townships in the region with best transport systems
- PSO2. Graduates will be able to understand the impact of geotechnical investigation and environmental pollution, societal health, legal and cultural issues so as to serve society with professional ethics.
- PSO3. Graduates will be able to understand complex problems and design solutions in structural constructions, water resource, hydrological systems, sewerage, industrial effluent conveyor and treatment systems.
- PSO4. Graduate will be able to lead and engage in team work to understand modern construction technology and management with advanced research and development in the field of Civil Engineering

## Message from Head of Civil Engineering Department

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**Dr. Buddharatna J. Godbole**

The vision of department is to create high quality Civil Engineers with global prospective and to inculcate in them professionalism and work ethics for building a strong society. Civil engineering being one of the core and most fundamental engineering branches is fully dedicated towards the same teaching and learning philosophy of the Foundation. Department has been established in the year 2008 with an intake of 60 students. The department laboratories are fully equipped with the latest equipment's, licensed software's and all necessary teaching aids.

As the government announced the nation-wide lockdown, our Institute was also taking a serious note of the impact the spread of the virus would make on the people, especially our students and their families. It is heartening to hear that our students reached the safety of their homes before the situation became challenging to handle. I request parents to keep your wards at home till an official intimation is sent from the College via the College Website or email along with the date of re-joining. Till this official intimation, you are advised to ensure that the students revise their courses for the End Semester Examinations.

My dear Students, keeping in mind your health and wellbeing, I request you not to risk travelling to College campus unnecessarily till the official intimation from the College authorities. You can utilize this time for your competitive exams, research work, publications etc. Most probably your next semester will be online completely.

I hope in this newsletter invigorates and inspire students and faculty members alike to put their best foot forward in elevating the name of department and Institute by their curricular and co-curricular activity. I hope that this edition induces and encouraging reactions from all its readers. I take.



## Departmental Teaching & Non-Teaching Staff

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**Dr.B. J. Godbole**  
Associate Professor & HoD  
Ph.D, M.Tech Environmental  
Engineering,  
[buddharatnag@sjcem.edu.in](mailto:buddharatnag@sjcem.edu.in)



**Mr. Shreeshail Hegdond**  
Assistant Professor  
M.Tech Structural  
Engineering,  
[shreeshailh@sjcem.edu.in](mailto:shreeshailh@sjcem.edu.in)



**Mrs. Swati Dhurve**  
Assistant Professor  
M.Tech Structural  
Engineering,  
[swatid@sjcem.edu.in](mailto:swatid@sjcem.edu.in)



**Mr. Prakash Nargund**  
Assistant Professor  
M.Tech Structural  
Engineering,  
[prakashn@sjcem.edu.in](mailto:prakashn@sjcem.edu.in)



**Mr. Swapnil Malipatil**  
Assistant Professor  
M.Tech Structural  
Engineering,  
[swapnilm@sjcem.edu.in](mailto:swapnilm@sjcem.edu.in)



**Mr. Dhaval Bhandari**  
Assistant Professor  
M.Tech Structural  
Engineering,  
[dhavalb@sjcem.edu.in](mailto:dhavalb@sjcem.edu.in)



**Mr. Ashok Meti**  
Assistant Professor  
M.Tech Structural  
Engineering,  
[ashokm@sjcem.edu.in](mailto:ashokm@sjcem.edu.in)



**Mr. Manjunath M.**  
Assistant Professor  
M.Tech Structural  
Engineering,  
[manjunathm@sjcem.edu.in](mailto:manjunathm@sjcem.edu.in)



**Mr. Naveen Hanchinahal**  
Assistant Professor  
M.Tech Geotechnical  
Engineering,  
[naveenh@sjcem.edu.in](mailto:naveenh@sjcem.edu.in)



**Mr. Gaurav Rangari**  
Assistant Professor  
M.Tech Water Resource  
Engineering,  
[gauravr@sjcem.edu.in](mailto:gauravr@sjcem.edu.in)



**Mr. Balram Tandel**  
Lab Assistant



**Mr. Vivek Patil Mr.**  
Lab Attendant



**Darshan Bhonge**  
Lab Attendant

## Student's strength

Year	No of Students
First Year	19
Second Year	73
Third Year	72
Final Year	74
Total	238

## Result Analysis

Semester	Passing (%)
III 2019-20	59.46
IV 2018-19	67.65
V 2019-20	72.22
VI 2018-19	57.53
VII 2019-20	89.19
VIII 2018-19	97.26

## Guest Lecture on “Career Opportunity”



Department of Civil Engineering organized expert lecture on “**Expert Lecture on “Career Opportunity”**” under the banner of ACE student chapter. The seminar was conducted for B.E Final year students, Civil Engineering for two hour duration in class room. Session was scheduled on **23<sup>rd</sup> Jan, 2020**. The Seminar was begins with open remark by Principal of SJCEM in the presence of Dr.B.J.Godbole Head of Civil Engineering Department.

**Mr. Reuben Buthello** was the resource person who is presently the member of the Aldel Education Trust, Partner of the Aldel Consultancy Services, Mumbai and also the partner of the CEMIX BETON, Mumbai. He is expertise person in business management, finance and career opportunities. During lecture he emphasized on the different career opportunities and how different Masters Program can help in a successful career.

Total **42 students** were the beneficiaries of the expert lecture and they will definitely use the information gained regarding career opportunity for their future career selections.



## Expert Lecture on “The Role of Air Quality Monitoring to Reduce Climate Change and Protect Health”

Department of Civil Engineering organized an expert lecture on “**The role of air quality monitoring to reduce climate change and protect health**”. The seminar was conducted for B.E Final year students of Civil Engineering, Computer Science Engineering, Information Technology, Mechanical Engineering and Electronics and Telecommunication Engineering at the MMS hall. Session was scheduled on 27<sup>th</sup> January, 2020. The Seminar began with open remark by Principal of SJCEM along with the felicitation of the speaker with a floral bouquet. Mr. Manoj Kumar was the resource person who is presently the Director and Business Consultant at Clean Technology Equipment Pty. Ltd., Australia. He is expertise person in clean technology



and air quality monitoring. **Total 180 students** were the beneficiaries of the expert lecture and they will definitely use the information gained regarding air quality monitoring in their future endeavours for the betterment of the environment and personal and public health.



### Guest Lecture on “Entrepreneurship for Young Aspiring Entrepreneurs”

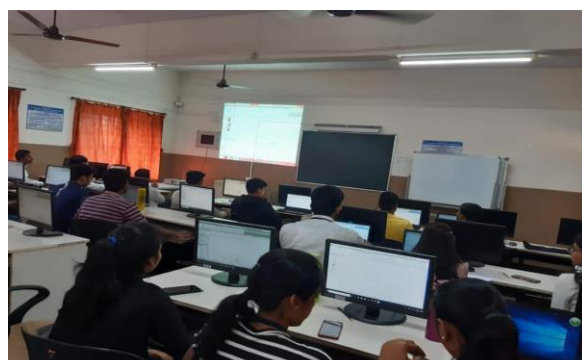
Department of Civil Engineering organized an expert lecture on “**Entrepreneurship for Young Aspiring Entrepreneurs**” under the banner of EDC cell. The seminar was conducted for B.E Final year students of Civil Engineering, Computer Science Engineering, Information Technology, Mechanical Engineering and Electronics and Telecommunication Engineering at the MMS hall. Session was scheduled on **12<sup>th</sup> February, 2020**.

**Mr. Albert W. D’Souza** was the resource person who is the Honorable Chairman of the Aldel Education Trust, the Chairman and Managing Director of Printania Group of Industries, Mumbai and the Chairman of Model Co-op. Bank Ltd., Mumbai. He is a great visionary, an entrepreneur, educationist and an expert in guiding the young aspirants.

Total **150 Students** were the beneficiaries of the expert lecture and they will definitely use the information gained to build strong foundations and become good entrepreneurs.



### Five Days Workshop on “Basics of REVIT”



Department of Civil Engineering organized **Five Days Workshop on “Basics of REVIT”** under the banner of ACE student chapter. The workshop was conducted for **T.E students**, Civil Engineering for six hour duration in a day. Session was scheduled on **13/01/2020 to 17/01/2020**. The workshop was begins with open remark by Dr.B.J.Godbole Head of Civil Engineering Department. Resource person was **Mr. Faizan Aheamad**, IITK e-Cell. Total 20 Students were the beneficiaries of this workshop and they will definitely use the information gained to build strong foundations and become good entrepreneurs.

### **Half Day Seminar on “Fuel & Energy Conservation in Building and Alternate fuels for future”**

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Department of Civil Engineering organized Half Day Seminar on **“Fuel & Energy Conservation in Building and Alternate fuels for future”** under the banner of ACE. The seminar was conducted **15/012020**. **Mr. Sudhir Shah, Faculty Trainer, Petrolatum Conservation Research Association (PCRA, Government of India)** was the resource person. Total **110 Students and 05 Faculty** were the beneficiaries of the expert lecture and they will definitely use the information gained to build strong foundations

### **“Three Days surveying Camp”**

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Department of Civil Engineering organized **Three Days surveying Camp** for SE Civil Engineering Students. During Camp students have worked on Contouring, Profile Levelling, and Traversing by using Auto Level & Total Station respectively. Camp conducted on Near Manhor Telephone Exchange, Mastan Naka, in Front of



Shimla-in hotel Manhor. It was scheduled for on **14<sup>th</sup> to 16<sup>th</sup> Jan 2020**. **Total 71 students** were present and Prof. Swati Dhurve was faculty Coordinator.

### Site visit to the “Palghar Railway Station for the course of Transportation Engineering”

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A **Site visit to the Palghar Railway Station** was arranged on **11<sup>th</sup> Feb 2020** for the students of **Third Year St. John College of Engineering and Management, Palghar**, by the Department of Civil Engineering. The Students were accompanied by Mr. Swapnil Malipatil. The Students were given the practical knowledge and industrial exposure about railway stations and railway tracks. Following are the objectives of site visit.

- To get an understanding how theoretical knowledge is fitted in practice.
- To understand the importance of the railway fixtures.
- To gain the knowledge of signalling.
- To see the different types of railway curves.
- To know the economy involved in the track construction.

The railway track is the part of the western railway line. The different types of fixtures, crossings, fittings could be seen here. The railway stations and their facilities of the Palghar station were also seen. The locomotive and the wagons were also observed and studied.



## Site visit to the “Palghar Railway Station for the course of Design of Steel Structures”

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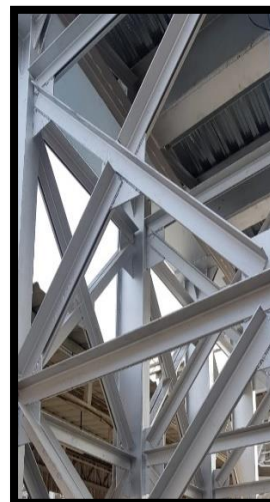


A Site visit to the Palghar Railway Station was arranged on 11<sup>th</sup> Feb 2020 for the students of **Third Year** St. John College of Engineering and Management, Palghar, by the Department of Civil Engineering. The Students were accompanied by Mrs. Swati Dhurve. The Students were given the practical knowledge and industrial exposure about railway stations and railway tracks. Following are the objectives of site visit.

- To get an understanding how theoretical knowledge is fitted in practice.
- To understand the importance of the steel structures.
- To gain the knowledge of different connections.
- To see the different types of column sections.
- To gain information regarding built-up sections.
- To know the economy involved in the steel structures.

The steel structure is located next to the Palghar Railway Station. The structure is under construction for the purpose of overhead railway Foot Bridge to the commuters. The bridge is a framed structure with bolted connections and gusseted base. ‘I’ sections were used for the columns.

Double lacing was used and welded connections could be seen. Thus we visited the steel structure site and got acquainted with the different types of steel structures and their components. As steel is a widely used construction material its understanding is also very important. Steel constructions have paved its way for the consistent development of the nation and study of its design is very important for a civil engineer.





## “Site Visit on “Pile Foundation” in SJCEM Campus

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Department of Civil Engineering organized a **site visit on “Pile Foundation”** for B.E Third year students, Civil Engineering. The site visit was scheduled on **03<sup>rd</sup> March, 2020**. The site visit took place at the **SJCEM Campus** and the faculty helped the students understand different engineering aspects. Dr.B.J.Godbole, Head of Civil Engineering Department and Prof.Manjunath Munenakoppa guided the students.

The site visit helped the students understand the different types of pile foundations and the different situations where in pile foundations are implemented. The students also acquired knowledge regarding the machinery and labor that goes into the construction of a pile foundation. **Total 69 students** were the beneficiaries of the site visit and they will definitely enhanced thjeir basic theoretical knowledge with the practical outlook. This activity also helped in bridging the gap between academics and industrial scenario.

## Collaboration with Industry

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As a part of MOU with L&T corporate Technology & Engineering Academy Mud, **Department of Civil Engineering**, SJCEM Palghar has conducted **one full day session for L&T trainee on 06th Jan 2020**. The session was conducted for advances in concrete Technology and Surveying. Mr. Manjunath M. and Mr. Naveen H. Were the resource person. **Total 24 trainees get benefited from Dubai.**





### FDP/STTP Attended by Faculty

Sr No	STTP/ FDP/ Webinar	Duration	Date	Title	Organization
<b>Dr. Buddharatna J. Godbole</b>					
1.	Webinar	01 Day	05 <sup>th</sup> May 2020	Civil Engineering Opportunities and Various Industrial Development "Legal Advices in Construction Industry"	Shree Ramdeo Baba College of Engineering and Management Nagpur, Maharashtra
2.	Webinar	01 Day	05 <sup>th</sup> May 2020	Civil Engineering Opportunities and Various Industrial Development "Modular Formwork Technology"	Shree Ramdeo Baba College of Engineering and Management Nagpur, Maharashtra
3.	Webinar	01 Day	06 <sup>th</sup> May 2020	Civil Engineering Opportunities and Various Industrial Development "Waste to Energy: An Emerging Field for Engineering Professionals"	Shree Ramdeo Baba College of Engineering and Management Nagpur, Maharashtra
4.	Webinar	01 Day	07 <sup>th</sup> May 2020	Civil Engineering Opportunities and Various Industrial Development "They Graduated in Learning, You Graduated in Teaching"	Shree Ramdeo Baba College of Engineering and Management Nagpur, Maharashtra
5.	Webinar	01 Day	08 <sup>th</sup> May 2020	Civil Engineering Opportunities and Various Industrial Development "Steel Detailing: American Steel Construction and Future Scope in India"	Shree Ramdeo Baba College of Engineering and Management Nagpur, Maharashtra
6.	Webinar	01 Day	08 <sup>th</sup> May 2020	Civil Engineering Opportunities and Various Industrial Development "New Building Products"	Shree Ramdeo Baba College of Engineering and Management Nagpur, Maharashtra
7.	FDP	05 Days	09 <sup>th</sup> to 13 <sup>th</sup> May, 2020	QCAD	Sinhgad Institute of Technology and Science, Narhe, Pune in association with Spoken Tutorial, IIT Bombay
8.	Webinar	01 Day	10 <sup>th</sup> May 2020		Shree Ramdeo Baba College of Engineering and Management Nagpur, Maharashtra
9.	FDP	05 Days	11 <sup>th</sup> to 15 <sup>th</sup> May 2020	"Research Methodology and Tools"	Sandip Institute of Technology and Research Centre, Nashik
10.	Webinar Series	02 Days	11 <sup>th</sup> to 15 <sup>th</sup> May 2020	"Metro Rail Technology-Practices & Issues"	Rajarambapu Institute of Technology, Rajaramnagar (RIT), Islampur, Dist. Sangli (MS, India) in association with The Institution of Engineers(I), Kolhapur Local Centre, Indian Concrete Institute, Pune Local Centre and Dalmia Cement Bharat Limited.

**Mr. Shreesail Heggond**

11.	Webinar	01 Day	04 <sup>th</sup> May 2020	Health Insurance in Time of Covid19	Pillai HOC College of Arts, Commerce and Science Rasayani in Association of Insurance Institute of India
12.	Webinar	01 Day	11 <sup>th</sup> July 2020	Innovation and Entrepreneurship Ecosystem in Education Institute (IIT Bombay) Enactus India	SIES College of Arts, Science and Commerce Sion(W) Mumbai, Maharashtra
13.	Webinar	01 Day	11 <sup>th</sup> May 2020	Intellectual Property Rights (IPR)	S. M. Shetty College of Science, Commerce and Management Studies, Powai Mumbai, Maharashtra
14.	STTP	05 Days	11 <sup>th</sup> to 15 <sup>th</sup> May 2020	Outcome Based Education: A Step Towards Excellence	Government College of Engineering Karad, Maharashtra
15.	FDP	06 Days	16 <sup>th</sup> to 20 <sup>th</sup> May 2020	Machine Learning and Deep Learning Application in Engineering & Science	Government College of Engineering Karad, and Rajkiya College of Engineering Azamgarh, Maharashtra
16.	STTP	06 Days	18 <sup>th</sup> to 23 <sup>rd</sup> May 2020	Effective Online Teaching- Learning Methods: Challenges, Preparations, and Use of ICT Tools	Govindrao Wanjari College of Engineering and Technology, Nagpur, Maharashtra
17.	Webinar	01 Day	18 <sup>th</sup> May 2020	Importance of Procurement in Industries	Nagpur Institute of Technology, Maharashtra
18.	STTP	06 Days	18 <sup>th</sup> to 23 <sup>rd</sup> May 2020	Effective Online Teaching- Learning Methods: Challenges, Preparations, and Use of ICT Tools	Govindrao Wanjari College of Engineering and Technology, Nagpur, Maharashtra
19.	Webinar Series	02 Days	20 <sup>th</sup> to 21 <sup>st</sup> May 2020	Application of Staticallytiwar tools and Energy Engineering	Shree. L. R. Tiwari College of Engineering, Thane Maharashtra
20.	Webinar	01 Days	20 <sup>th</sup> May 2020	Use of Chemicals in Construction Industry	Rajarambapu Institute of Technology, Rajaramnaga, Sangli Maharashtra
21.	Webinar Series	02 Days	21 <sup>st</sup> to 22 <sup>nd</sup> May 2020	Legal Aspect of Civil Engineering	Dr. Daulatrao Aher College of Engineering, Karad Maharashtra
22.	FDP	06 Days	22 <sup>nd</sup> to 27 <sup>th</sup> May 2020	Technical Teacher Training	Vidyavardini Institute of Technology, Vasai, Maharashtra
23.	Webinar Series	05 Days	22 <sup>nd</sup> to 26 <sup>th</sup> May 2020	Formwork Design and Safety Aspect	College of Engineering, Pune Maharashtra
24.	STTP	05 Days	23 <sup>rd</sup> to 27 <sup>th</sup> May 2020	Advanced Optimization Tools & Techniques for Researchers and Engineers	SKN Sinhgad College of Engineering Pandharpur. Sponsored by Ahilyadevi Holkar Solapur University
25.	Webinar	01 Days	23 <sup>rd</sup> May 2020	Teachers are Leaders (TRL)	Bhartiya Vidya Peeth College of Engineering, Pune Maharashtra
26.	Webinar	01 Day	24 <sup>th</sup> May 2020	Introduction to E-Tendring (Documentation & Submission)	S. B. Patil College of Engineering, Indapur
27.	STTP	05 Days	25 <sup>th</sup> to 29 <sup>th</sup> May 2020	Infrastructure Development: Possibilities and Challenges Ahead	New Horizon Institute of Technology and Management, Thane, Maharashtra
28.	Webinar	01 Day	26 <sup>th</sup> May 2020	Introduction to Finite Element Method and Application to Civil Engineering	P.R. Pote College of Engineering and Management, Amravati
29.	Webinar	01 Day	27 <sup>th</sup> May 2020	Research Opportunity in the Field of Technology	Dr. Daulatrao Aher College of Engineering, Karad Maharashtra
30.	Webinar	01 Day	27 <sup>th</sup> May 2020	E- Resources for Digital Learning	R. M. K. College of Engineering and Technology
31.	Webinar	01 Day	30 <sup>th</sup> May 2020	Different Non-Distractive for the Evaluations of Concrete Structures	Wonder Cement
32.	FDP	05 Days	01 <sup>st</sup> to 05 <sup>th</sup> June 2020	Quantum Geographic Information System	Spoken Tutorials, IIT Bombay Sponsored by GOI

<b>Mrs. Swati Dhurve</b>					
33.	FDP	03 Days	6 <sup>th</sup> to 8 <sup>th</sup> May 2020.	QCad	Spoken Tutorial Project, IIT, Bombay and Bapurao Deshmukh College of Engineering, Sevagram, Wardha
34.	Webinar Series	02 Days	11 <sup>th</sup> to 15 <sup>th</sup> May 2020	"Metro Rail Technology-Practices & Issues	Rajarambapu Institute of Technology, Rajaramnagar (RIT), Islampur, Dist. Sangli (MS, India) in association with The Institution of Engineers(I), Kolhapur Local Centre, Indian Concrete Institute, Pune Local Centre and Dalmia Cement Bharat Limited.
35.	Webinar	01 Day	13 <sup>th</sup> to 17 <sup>th</sup> May 2020	Prominent Area of Civil Engineering	Vidyavardini Institute of Technology, Vasai, Maharashtra
36.	Webinar Series	05 Days	22 <sup>nd</sup> to 26 <sup>th</sup> May 2020	Formwork Design and Safety Aspect	College of Engineering, Pune Maharashtra
37.	STTP	05 Days	25 <sup>th</sup> to 29 <sup>th</sup> May 2020	Infrastructure Development: Possibilities and Challenges Ahead	New Horizon Institute of Technology and Management, Thane, Maharashtra
38.	Webinar	01 Day	25 <sup>th</sup> May 2020	Integration of Bloom's Taxonomy in Teaching	Bhujbal Knowledge City MET's Institute of Pharmacy Nashik
39.	STTP	05 Days	26 <sup>th</sup> to 30 <sup>th</sup> May 2020	Advances in Civil Engineering	Nagpur Institute of Technology, Maharashtra
40.	STTP	06 Days	27 <sup>th</sup> May to 2 <sup>nd</sup> June 2020	Innovation and upgradation in Infrastructural Technology	Terna Engineering College in association with ASTR Krishna Conchem Products, Rachna Enterprises Under IEI, Maharashtra
41.	Webinar	01 Day	27 <sup>th</sup> May 2020	Behaviour of Concrete Structures Subjected to Fire Exposures	Vaag Devi College of Engineering, Hyderabad
42.	Webinar Series	03 Days	28 <sup>th</sup> to 30 <sup>th</sup> May 2020	Development, Execution and Maintenance of Epc Project	Rajarambapu Institute of Technology, Rajaramnagar in association with Dhruv Consultancy Services Ltd., Navi Mumbai.
43.	FDP	03 Days	28 <sup>th</sup> to 30 <sup>th</sup> May 2020	"Advanced Material Characterisation Techniques" A Research Prospective	Lendi Institute of Engineering and Technology
44.	Webinar	01 Day	29 <sup>th</sup> May 2020	Rule of thumbs for Analysis & Design of Steel and R.C.C Structures	Anjuman - i - Islam's M.H.Saboo Siddik College of Engineering
45.	Webinar	01 Day	30 <sup>th</sup> May 2020	Artificial Intelligence In Civil Engineering	Bhilai Institute of Technology Raipur, Chhattisgarh.
46.	STTP	05 Days	04 <sup>th</sup> to 08 <sup>th</sup> June 2020	A Smart and Sustainable World in Concrete and Structures	AISSMS College of Engineering, Pune, Maharashtra
47.	Webinar Series	05 Days	04 <sup>th</sup> to 08 <sup>th</sup> June 2020	Scientific Approach to Vastushastra in Building Planning	Sharad Institute of Technology, Yadav
48.	Webinar Series	02 Days	05 <sup>th</sup> to 06 <sup>th</sup> June 2020	Advanced Techniques in Civil Engineering	Vidyavardini Institute of Technology, Vasai, Maharashtra
49.	STTP	06 Days	8 <sup>th</sup> to 13 <sup>th</sup> June 2020.	Online Teaching- Learning Process Using ICT Tools for Education 4.0	St. Vincent Pallotti College of Engineering & Technology, Nagpur Maharashtra
50.	FDP	03 Days	10 <sup>th</sup> to 13 <sup>th</sup> June 2020	Technology Towards Common Man	Shri Manakula Vinyagar Engineering College, Puducherry
51.	Webinar	01 Day	16 <sup>th</sup> June 2020	'New Normal' in Education - Pre and Post COVID	Thakur College of Engineering and Technology, Kandivali € Mumbai
52.	Webinar	01 Day	19 <sup>th</sup> June 2020	An Overview of Geopolymer Concrete and Its Application	Easwari Engineering College, Chennai

53.	Webinar	01 Day	19 <sup>th</sup> June 2020	AN OVERVIEW OF GEOPOLYMER CONCRETE AND ITS APPLICATION"	Easwari Engineering College, Chennai
54.	Webinar	01 Day	20 <sup>th</sup> June 2020	5S Methodology for Lean Manufacturing	Krushivardhan Agrotech
55.	STTP	06 Days	22 <sup>nd</sup> to 26 <sup>th</sup> June 2020	"Innovative Trends in Civil Engineering	VIVA Institute of Technology, Virar, Maharashtra
56.	Webinar	01 Day	22 <sup>nd</sup> June 2020	Critical Review of Bituminous Mixes: Indian Scenario	Government Engineering College, Harveri
57.	Webinar	01 Day	27 <sup>th</sup> June 2020	Corrosion inhibitors to enhance the service life of concrete structures	Easwari Engineering College, Chennai
58.	STTP	05 Days	29 <sup>th</sup> June 03 <sup>rd</sup> July 2020	"Environmental Sustainability & Green Energy"	Govindrao Wanjari College of Engineering and Technology, Nagpur, Maharashtra
59.	STTP	05 Days	29 <sup>th</sup> June to 03 <sup>rd</sup> July 2020	"Outcome Based Education & NBA	R&D Cell & IQAC of Shree. L. R. Tiwari College of Engineering
60.	FDP	06 Days	6 <sup>th</sup> to 10 <sup>th</sup> July 2020	"Challenges and Opportunities in Recent Emerging Technologies"	Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded , Maharashtra (TEQIP-III Sponsored)
61.	Webinar	01 Day	11 <sup>th</sup> July 2020	Transforming Business Operations using Industry 4.0 Technologies	Indian Institution of Industrial Engineering Mumbai Chapter
62.	Webinar	01 Day	11 <sup>th</sup> July 2020	Stress Free Life and Key towards Success	Pillai HOC College of Engineering and Technology, Mumbai, Maharashtra

#### Mr. Swapnil Malipatil

63.	Webinar Series	05 Days	22 <sup>nd</sup> to 26 <sup>th</sup> May 2020	Formwork Design and Safety Aspect	College of Engineering, Pune Maharashtra
64.	STTP	05 Days	25 <sup>th</sup> to 29 <sup>th</sup> May 2020	Infrastructure Development: Possibilities and Challenges Ahead	New Horizon Institute of Technology and Management, Thane, Maharashtra
65.	FDP	03 Days	28 <sup>th</sup> to 30 <sup>th</sup> May 2020	"Advanced Material Characterisation Techniques" A Research Prospective	Lendi Institute of Engineering and Technology
66.	Webinar	01 Day	30 <sup>th</sup> May 2020	Different Non-Distractive for the Evaluations of Concrete Structures	Wonder Cement
67.	STTP	05 Days	01 <sup>st</sup> to 06 <sup>th</sup> June 2020	Upheaval Era of Civil Engineering	Malineni Perumullu Education Society Group of Institutions

#### Mr. Ashok Meti

68.	STTP	06 Days	18 <sup>th</sup> to 23 <sup>rd</sup> May 2020	Effective Online Teaching- Learning Methods: Challenges, Preparations, and Use of ICT Tools	Govindrao Wanjari College of Engineering and Technology, Nagpur, Maharashtra
69.	Webinar Series	02 Days	20 <sup>th</sup> to 21 <sup>st</sup> May 2020	Application of Statistical tools and Energy Engineering	Shree. L. R. Tiwari College of Engineering, Mumbai, Maharashtra
70.	Webinar Series	05 Days	22 <sup>nd</sup> to 26 <sup>th</sup> May 2020	Formwork Design and Safety Aspect	College of Engineering, Pune Maharashtra
71.	Webinar	01 Day	24 <sup>th</sup> May 2020	IOT for Music Therapy	St. John College of Engineering, Palghar, Maharashtra
72.	Webinar	01 Day	26 <sup>th</sup> May 2020	Code Quality: Impact on Project Health and Business Prospect	St. John College of Engineering, Palghar, Maharashtra
73.	Webinar	01 Day	27 <sup>th</sup> May 2020	Program Analysis and Testing	St. John College of Engineering, Palghar, Maharashtra
74.	Webinar	01 Day	27 <sup>th</sup> May 2020	Post Covid-19: Building Planning Way Forward	Dr. S. & S. Ghandhy College of Engineering and Technology
75.	Webinar	01 Day	29 <sup>th</sup> May	Pune Metro Rail Project	AISSMS College of Engineering, Pune,

			2020		Maharashtra
76.	Webinar	01 Day	29 <sup>th</sup> May 2020	Investment Mantra by Finance Guru	Addwise Financials
77.	Webinar	01 Day	29 <sup>th</sup> May 2020	Significance of Quantity Surveying in the Construction Industry	Saveetha Engineering College, Tamil Nadu
78.	Webinar	01 Day	30 <sup>th</sup> May 2020	Geotechnical Aspects for Design and Construction of Nuclear Facility"	Pillai HOC College of Engineering and Technology, Mumbai, Maharashtra
79.	Webinar	01 Day	30 <sup>th</sup> May 2020	Artificial Intelligence in Civil Engineering	Bhilai Institute of Technology Raipur, Chhattisgarh.
<b>Mr. Naveen Hanichal</b>					
80.	Webinar	01 Day	08 <sup>th</sup> June 2020	Geospatial Technology in Civil Engineering	Government Engineering College, Haveri, Karnataka
<b>Mr. Gaurav Rangari</b>					
81.	Webinar	01 Day	06 <sup>th</sup> June 2020	Math and Neural Network (Techniques & Technology)	Don Bosco Institute of Technology, Mumbai, Maharashtra

### Faculty Publication

Sr. No	Name of Faculty	Title	Name of Publisher Or Name of Conference	Date
01	Mr. Ashok Meti	Impact of operational delay on project overrun in Mumbai Region	National Conference on Trends and herals in EngineeringExcellence and Metamorphosis 2020	13 <sup>th</sup> -14 <sup>th</sup> January 2020
02	Dr. B.J.Godbole	Assessment of Noise Level for some part of Nagpur City	International Conference on Recent Trend in Renewable Energy and Sustainable Global Development in Civil Engineering [Bhilai Institute of Technology, Raipur, TEQIP-III]	30 <sup>th</sup> -31 <sup>st</sup> January 2020
03	Mr. G. Rangari Dr. B.J.Godbole	Comparison of Multiple Attribute Decision Making Techniques in Reservoir Operation	International Conference on Applied Mechanical and Civil Engineering. Multicon, Thakur College of Engineering	28 <sup>th</sup> February 2020
04	Dr.G.V.Mulgund Mr. Ashok Meti Mr. Manjunath M.	Seismic Analysis of RC Building frames with and Without Varied Configuration of infill		
05	Mr.Swapnil Malipatil Mr. Ashok Meti	Seismic Performance of Beam-Column Joint Reinforced with Carbon Fiber Reinforced Polymer (CFRP) Bars		
06	Mr. Naveen H	A Comparative Study of Bearing Capacity Other than Behavior of Reinforced and Unreinforced Soil		

### Student Publication Academic Year (2019-20)

Sr. No.	Name of Student	Title	Publisher ISSN No.	Volume/ Proceeding no.	Month & Year
1.	Karan Pujari	Use of Plastic Waste in Paver Block	IJRESM ISSN: 2581-5792	Volume:3, Issue-3	March 2020
2.	Nikhil Dhodiya				
3.	Mohitsingh Chandel				
4.	Pawan Bari				
5.	Bhuvanesh Gawad	Feasibility Study of Soil Biotechnology	SSRG ISSN: 2348-8352	Volume-7, Issue-3	March 2020
6.	Hitesh Vanmali				



7.	Mayuresh Patil				
8.	Bhuvanesh Gawad	Feasibility Study of Soil Biotechnology	IJIRSET e-ISSN: 2319-8753 P-ISSN: 2320-6710	Volume-9, Issue-5	May 2020
9.	Hitesh Vanmali				
10.	Mayuresh Patil				
11.	Bhupesh Patil	Experimental Assessment & Performance Evaluation of Old Bridge by NDT Methods	SSRG ISSN: 2348-8352	Volume-7, Issue-3	April 2020
12.	Ankit Raut				
13.	Janli Mali				
14.	Aniket Gurav				
15.	Elvis Rodrigues	Incineration Process for Municipal Solid Waste Management in Palghar District	IJIES e-ISSN: 2546-3463	Volume 5, Issue- 6	May 2020
16.	Anoop Mujalge				
17.	Shivam Shirke				
18.	Nikita patil				
19.	Ankur Marathe,	Planning and Scheduling of underground Metro Station Box Using MSP Software	IJIES e-ISSN: 2546-3463	Volume 5, Issue- 6	May 2020
20.	Salil Nibhande,				
21.	Lloyd Moraes,				
22.	Vedang Save				
23.	Chetana Pimple	Lab Scale Approach for Leachate Generation, Collection and Treatment	IJESC ISSN 2321 3361	Volume 10, Issue- 5	May 2020
24.	Esha Patel				
25.	Harikrishna Gundagoni				
26.	Kanish Ghanchi				
27.	Pushpraj singh	Effect of Wind Pressure on Glass Facade	IJIES e-ISSN: 2546-3463	Volume 5, Issue- 7	May 2020
28.	Trisha Shetty				
29.	Dasrhan Verma				
30.	Rakesh Verma				
31.	Mayur Rana,	Study on Fir Shaped Pile Foundation	IJIES e-ISSN: 2546-3463	Volume 5, Issue- 7	May 2020
32.	Vineet Patil,				
33.	Sourabh Maskare,				
34.	Shubham Singh				
35.	Swati Tikone	Performance of Corroding Steel Structure Over Time	IJIES e-ISSN: 2546-3463	Volume 5, Issue- 7	May 2020
36.	Priyanka Desai				
37.	Karnika Jadhav				
38.	Jayendra Bhosale				
39.	Akshata Palkar	Study on Effect of Vertical Construction Joints on Mechanical Properties of Concrete	IJIES e-ISSN: 2546-3463	Volume 5, Issue- 6	May 2020
40.	Pranali Gawad				
41.	Madhura Churi				
42.	Tanvi Dongare				
43.	Deepak Pabale	Effect of Waste Tyre Rubber on Mechanical Properties of Concrete	IJIES e-ISSN: 2546-3463	Volume 5, Issue- 6	May 2020
44.	Rohan Bhoj				
45.	Viraj Patil				
46.	Yash Sawaji				
47.	Pranjali Sankhe	Study on Compressive and Tensile Strength of Concrete Infused with CNCS and Fibre	IJRAR E-ISSN 2348-1269 P-ISSN 2349-5138	Volume-7, Issue-2	May 2020
48.	Shubham Sankhe				
49.	Rachit Raut				
50.	Ikshit Wade				
51.	Malcom Baretto	A Concept: of Underpass Metro Elevated Structure in Mumbai Region	IJIES e-ISSN: 2546-3463	Volume 5, Issue- 6	May 2020
52.	Raj Mhatre				
53.	Virendra Yadav				
54.	Devvratvedanand Kumar	To Study Physical Properties of Self Compacting Concrete	IJIES e-ISSN: 2546-3463	Volume 5, Issue- 6	May 2020
55.	Brijesh Lopes				
56.	Kunal Mhatre				
57.	Rohit Nityanand				
58.	Mustaq Khan	Enhancement of Strength of Concrete Using CNC'S and AR Glass Fibre	IJIES e-ISSN: 2546-3463	Volume 5, Issue- 6	May 2020
59.	Shubham Shukla				
60.	Nikhil Pradhan				
61.	Crystal Nadar				
62.	Ajay Livingstone	Design of Sewer Network for Kophrad Village, Virar-Vasai	IJIES e-ISSN: 2546-3463	Volume 5, Issue- 6	May 2020
63.	Garrison Rumao				
64.	Hemant Patel				
65.	Gaurav Vaghadia				

## Coffee-cup Meeting with Alumni

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Mr. Om Seth, Alumni of 2016-17 Pass-out Batch.



Ms. Aishwarya Gadkari, Alumni of 2016-17 Pass-out Batch

## Celebration of Republic Day [26/01/2020]



## Graduation Day Ceremony [17/01/2020]



## Science Fest: Annual Technical Outreach to all students of SJCEM & Exposure to Palghar District school students to Build Future

Conducted on 18<sup>th</sup> Jan 2020.  
SMARTCITY Model by SE & TE Students

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## Annual Day 2020 at St. John Technical Campus, Palghar [11/01/2020]





## MEGALIO (Tech-Fest)



**Inauguration of MEGALIO**



**ROBOWAR**



**Quiz Competition**



**Bridge Building**



**Designing in Auto CAAD**



**Poster Presentation**



**Aldel Education Trust**  
**St. John College of Engineering & Management. Palghar.**  
**Vevoor, Manor Road, Palghar (E), Maharashtra 401404**