



Pimpri Chinchwad Education Trust's  
Pimpri Chinchwad College of Engineering & Research



# CIVIL INSIGHT

2018-19 II

## Vision of the Institute

To be a premier Institute of technical education and research to serve the need of society and all the stakeholders.

## Mission of the Institute

To establish state-of-the-art facilities to create an environment resulting in individuals who are technically sound having professionalism, research and innovative aptitude with high moral and ethical values.

## Department of Civil Engineering

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

### Vision:

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### Mission:

**M1:** To upgrade continuously, to develop state-of-art laboratories and advanced computational facilities and be ever resourceful to disseminate contemporary knowledge.

**M2:** To inculcate the zeal for research and innovation and to improve the quality of education and research.

**M3:** To enforce rigorous appraisals so as to identify strengths and key competencies.

**M4:** To enhance industry interaction to develop competent entrepreneurs and employable professionals.

**M5:** To cultivate ethics, social awareness, soft-skills and appreciation for cultural diversity to evolve a truly global community.

## Program Educational Objectives (PeOs):

**PEO1:** To develop accomplished technocrats, who are competent to provide Sustainable solutions to civilian issues.

**PEO2:** To impart state-of-the-art education to the aspirants so that they are capable of achieving a very rewarding occupation.

**PEO3:** To evolve technically sound graduates, skilled to succeed in competitive Examinations for higher education and employment.

## Program Specific Outcomes (PsOs): Civil Engineering Graduates will be able to:

**Ps01:** Know the architectural, technical, social, cultural heritage of the nation, to remain connected to the roots of civilization and design the solutions which are based on ancient wisdom and modern technology.

**PSO2:** Use contemporaneous software to find solutions to various engineering problems and become well-versed and skilled to face competitive examinations without qualm.

# HOD Desk



**Dr. Sameer S. Sawarkar**  
HOD of Civil Engineering Departments PCCOER

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

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

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

*- Dr. Sameer S. Sawarkar*

## MAGAZINE CO-ORDINATORS



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## Expert Lecture

23<sup>rd</sup> March 2019

Expert Lecture on “Introduction of various types of filters, under drainage system and design of Filters”. Speaker: Dr. Ashok B More, Head of Civil Department, Dr. D. Y. Patil College of Engineering, Akurdi

The aim of the lecture was to provide the knowledge of filtration units and under-drainage systems to the students. The talk was indeed very interesting, which motivated students to question and learn.



## Site Visit to “Sonigara Homes Twin Tower”

21<sup>st</sup> February 2019

Under the subject of Structural Design-II, the students of TE Civil went to Sonigara Homes at Twin Tower site located at Ravet Pune.

The main aim behind this site visit was to see the detailing and laying of reinforcement in the slab, columns and beams.

Students observed Bent up bars provided in slab, anchor bars and the main reinforcement provided in beam. The Visit helped in improving the knowledge and getting the practical approach to the design of slabs, beams and columns.



## One Day workshop on Artificial Neural Networks

22<sup>nd</sup> February 2019

Guest Speaker: Dr. Shreenivas Londhe, Dr. Pradnya Dixit, Professors at VIIT Kondhwa

The objective of the workshop was to get knowledge of neural networks, which basically are the systems that solve complex problems. It generates its own rules of learning from examples. Over the past few years, in all areas of Civil Engineering, specific research addressing various problems using artificial neural networks with varying degrees of success have been undertaken.



## Site Visit to “Chaskaman Dam” at Khed Pune

25<sup>th</sup> March 2019

Under the subject of Dams & Hydraulic Structures, the students of BE Civil had gone to Chaskaman Dam located at Khed, Pune.

The main aim behind this field visit was to get the experience of field work and to get practical knowledge of routing of canal, of directing water through dams and distribution of water. Students of Civil Department got a thorough idea of dams and hydraulic structures through this visit.



## Site Visit to “Water Treatment Plant” at Akurdi Pune

8<sup>th</sup> April 2019

Under the subject of Environmental Engineering-I, the students of TE Civil had gone to a Water Treatment Plant located at Akurdi, Pune.

The main aim behind this field visit was to learn practical applications of Science and Engineering, to inspire future career paths. The vast process and expenditure on water treatment made the students realize the value of water and its preciousness. Students took the pledge of not wasting even a single drop of water. They also understood the impact of pollution and other human actions on water.



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**Dr. Sameer Sawarkar**