



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



CIVIL INSIGHT

2017-18



HOD Desk



Mrs. Mayura Milind Yeole
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.

- Mrs. Mayura Yeole

Editors

Mrs. P. A Chiwhane | CESA Students



Indian Meteorological Department

5th July 2017

Indian Meteorological Department visit was organized on 5th of July 2017. The main objective of this visit was to observe the working of IMD.

IMD undertakes observations, communications, forecasting and weather services. In collaboration with the Indian Space Research Organisation, the IMD also uses the IRS series and the Indian National Satellite System (INSAT) for weather monitoring of the Indian subcontinent. IMD was first weather bureau of a developing country to develop and maintain its own satellite system



Welcome Party to SE Students

24th July 2017

A Welcome party was organized on 24th of July 2017. The party was conducted on department level so as to welcome all the SE Civil students with enthusiasm. Fun games were organized and played to create a room of interaction between SE students and their seniors.



Bridge Site At Dehu

09th September 2017

It was conducted on 9th of SEPTEMBER 2017. The site was scheduled on 27th September, from 10.30 pm to 12.30 pm at Dehu road bridge construction site.

Objectives of the Event were to observe the prestressing materials, understand the actual prestressing on site, observe the types of tendons and reinforcement details of post-tensioned prestressed girder, and understand the site safety precautions.



Sewage Treatment Plant

09th September 2017

A visit was conducted on 9th of September 2017. The main aim of this visit was to observe the working of sewage treatment plants. Students have got an idea about different components of Sewage Treatment Plant. Students could observe and study design measures of Sewage Treatment Plant.



Site Visit To Konyna Dam

14th September 2017

The department of Civil Engineering, Pimpri Chinchwad College of Engineering & Research organized an educational site visit to Koyana Dam on 14th of September, 2017 for T.E. Civil Engineering students.

The Koyana Hydroelectric Project is the largest hydroelectric power plant in India. It is a complex project with four dams including the largest dam on the Koyana River, Maharashtra hence the name Koyana Hydroelectric Project.

The project site is in Satara district. The total capacity of the project is 1,960 MW.

The project consists of four stages of power generation.

Max. height above foundation in stage I & II and Stage III is 103.02 m and 63.30 m respectively.

The 1st and 2nd stages share same powerhouse with total eight Pelton turbine units.

Each of the two stages has four turbines having capacity of 65 MW each for 1st stage and 75 MW each for 2nd stage. Dam foot powerhouse was also constructed which is used to generate electricity by the water which is discharged from the Koyana Dam for irrigation purpose.

It has two Francis turbine units of 20 MW each. This powerhouse is run according to the irrigation requirements of the downstream areas. The combined installed capacity of the two stages and the dam foot powerhouse is 600 MW.

In Stage III the installed generating capacity of this stage is 320 MW.

The Planning Commission accorded approval to Stage IV with installation capacity of 4×250 MW. It created great exposure to students after visiting Koyana Hydroelectric Project.



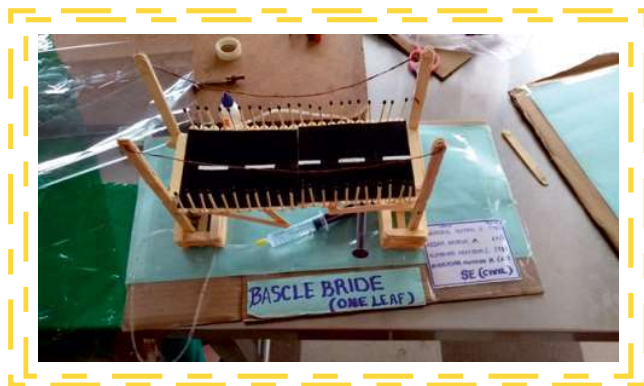
Engineer's Day Celebration

18th September 2017

An event of Engineers day celebration was successfully conducted by Civil Engineering Department on Friday 18/09/2017 at seminar Hall (209) from 9:00 am to 4:00 pm.

During this event following activities were taken place like

1. Engineers Day celebration
2. Teachers Day
3. Model Making Competition



Runal Gateway Mukai Chowk

22nd September 2017

Visit was conducted at Runal Gateway Mukai Chowk on 22nd of September 2017. Runal Gateway is a construction company which constructs commercial and residential projects. Students observe a massive project here. The project is spanning across 5.29 acres with 324 units which are of 2 BHK and 3 BHK configurations. Overall process of construction of a project was observed in this project.



Hot Mix Plant and RMC Plant

28th September 2017

These visits were conducted for students on 9th of September 2017-18. The visit was conducted under guidance of Prof. Anand Kudoli. The objective of this visit to make students understand the Hot Mix Plant and RMC Plant not only conceptually but also Practically.



"To give real service you must add something that cannot be bought and measured with money."

Mokshagundam Visvesvaraya

