



ALL INDIA SHRI SHIAVJI MEMORIAL  
SOCIETY'S POLYTECHNIC, PUNE

DEPARTMENT OF CIVIL  
ENGINEERING

NEWSLETTER

2017-18



## About Department

We started our journey in the year of 2004. Over years, shelter, water & communications have remained always on priority in national planning. To overcome all problems of population and urbanization in infrastructural development, role of civil engineer is of prime importance even in era of IT.

Civil Engineering is the oldest Engineering Discipline after Military Engineering. It is traditionally broken into different disciplines including Environmental Engineering, Structural Engineering, Transportation Engineering, Water Resource Engineering, Geo-technical Engineering, Material Engineering, Survey Engineering and Construction Engineering.

Civil Engineering takes place at all levels in the public sector and private sector. Civil engineers will always be needed to maintain and repair existing facilities and structures and to construct new ones.

## Department Role

- *Department work with aim- “To be the Source-head of new ideas and innovations in Civil Engineering and offering world class professional knowledge as well as leadership in civil engineering to students.”*
- *Department is always keen to provide opportunity for students to have practical field exposure on the civil engineering jobs.*
- *Faculty is always ready to produce academically sound, disciplined and competent engineer who will become principals in the industries associated with civil engineering and professional engineers” starting-up and growing their own new firms.*
- *With academic, department encourages students to show their talent in various extra-classroom activities.*
- *The department presently has highly qualified and experienced staff on its role. The department has well equipped laboratories on the following subjects.*
  - **Surveying**
  - **Engineering Mechanics**
  - **Fluid Mechanics**
  - **Mechanics of Structure**
  - **Soil Mechanics**
  - **Computers**
  - **Concrete Technology**
  - **Public Health Engineering**

**VISION**

*\*To be a fountain head of quality education by empowering civil engineers with necessary knowledge and skills.\**

**MISSION**

- 1.\*To impart the quality education to the students to serve society and nation.*
- 2.To enable the students to gain life-long learning skills and to pursue higher education*

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**HOD DESK**

*Department of Civil Engineering is one of the latest branches of Engineering in modern era of technology. It is rapidly growing field with a wide range of job opportunities.*

*The Technical Education Department aims towards making available the trained and technically qualified hands to serve the industry & society. We are working hard to improve upon the quality of education.*

*The department organizes Workshops, Expert Lectures, Seminars, Industrial visits and extracurricular activities from time to time to provide our students and faculties to interact with their peers from across the country. Our students are trained to develop a balanced personality and will prove to be an invaluable asset to an organization.*

## Major Activities

| Sr. No. | Date       | Name of Program | Activity                   | Level      | Sponsored |
|---------|------------|-----------------|----------------------------|------------|-----------|
| 1.      | 12/09/2017 | Civil engg.     | Paper presentation         | State      | MSBTE     |
| 2.      | 20/12/2017 | Civil engg.     | Technical Quiz competition | Department | Institute |

## Guest Lectures/Workshops/Training Programs Organized For Students

| Sr. No. | Date      | Name of Program | Related Subject              | Resource Person     |
|---------|-----------|-----------------|------------------------------|---------------------|
| 1.      | 08/09 /17 | Civil engg.     | Public health                | Mr.P.R.Taware       |
| 2.      | 15/09/17  | Civil engg.     | Estimating & costing         | Mr.PrinceojasJangda |
| 3.      | 23/10/17  | Civil engg.     | Entrepreneurship development | Mr.SunilMirashi     |

## Industrial visit

| Sr. No. | Date                 | Name of Industry visited                  | Class | Subject                   |
|---------|----------------------|---|-------|---------------------------|
| 1.      | 7/7/17               | Warje Water Treatment Plant               | TYCE  | Public health management  |
| 2.      | 11/07/17<br>12/07/17 | Parvati, Singhgad Road, Pune              | TYCE  | Public health management  |
| 3.      | 25/09/17<br>26/09/17 | Suez Treatment Plant                      | TYCE  | Public health management  |
| 4.      | 29/07/17             | Pune Railway Station                      | TYCE  | Design of steel structure |
| 5.      | 7/07/17              | Kolte Patil Developers                    | SYCE  | Building drawing          |
| 6.      | 29/08/17<br>30/08/17 | Rohan Abhilasha/<br>Panchashil Developers | SYCE  | Building drawing          |

## Guest Lectures/Workshops/Training Programs Organized For Staff

| Sr. No. | Date                             | Name of Program             | Resource Person | Participants                |
|---------|----------------------------------|-----------------------------|-----------------|-----------------------------|
| 1.      | 25/10/17<br>26/10/17<br>27/10/17 | Faculty Development Program | Mr.Donawade     | All Civil Engineering Staff |

## Co-curricular and Extra Co-curricular Activities

| Sr. No. | Date     | Time        | Name of Program                 | Purpose                  |
|---------|----------|-------------|---------------------------------|--------------------------|
| 1.      | 16/08/17 | 12pm to 2pm | Mehendi Competition             | Co-curricular activities |
| 2.      | 15/09/17 | 9am to 3pm  | Engineer's day<br>Teacher's day | Co-curricular activities |

## Student Achievements

| Sr. No. | Name of Student | Name of programme  | Organizing institute | Duration | Awards                |
|---------|-----------------|--------------------|----------------------|----------|-----------------------|
| 1.      | PrajwalShinde   | CADwar             | JSPM Tathawade       | 1 day    | 1 <sup>st</sup> prize |
| 2.      | SaurabhZende    | Paper presentation | MSBTE                | 1 day    | Participation         |
| 3.      | BrijeshPandit   | Paper presentation | MSBTE                | 1 day    | Participation         |

## Academic Rankers

### Third Year Civil Engineering

| Sr. No. | Name of student       | Marks  |
|---------|-----------------------|--------|
| 1       | PrathameshDilipTakle  | 87.76% |
| 2       | Clinton Albert D'cruz | 79.88% |
| 3.      | YashMukeshGoyal       | 79.03% |

### Second Year Civil Engineering

| Sr. No. | Name of student | Marks |
|---------|-----------------|-------|
|---------|-----------------|-------|

|    |                      |        |
|----|----------------------|--------|
| 1  | Brijesh Kumar Pandit | 75%    |
| 2  | AakashKawad          | 66.84% |
| 3. | Sahil S. Shaikh      | 65.28% |

### First Year Civil Engineering

| Sr. No. | Name of student      | Marks  |
|---------|----------------------|--------|
| 1.      | Devika R. Mohite     | 76.68% |
| 2.      | Nachiket S. Ghodekar | 73.77% |
| 3.      | Sandip A. Kotwal     | 71.01% |

## Photos of Department Activities

### Paper presentation competition 1<sup>st</sup> prize winner





**‘Mehendi Competition’ organized by Civil Engineering department on 16.08.2017**





**Guest Lecture on “*Importance of working in Public Health Department*” by  
Mr. P.R.Taware ,  
on Date: 08.09.2017 for TYCE Students**



**Civil Engineering Department celebrates teachers day and engineers day  
on 15.09.17**





**Guest Lecture on “*Importance of Estimating & Costing in Civil Engineering*” by Mr. Ojas Jangda and team of Pune on 15.09.17 for TYCE Students**



## Quiz Time



1. The expected out turn of 12 mm plastering with cement mortar is-----

- a) 2.5 sq m b) 4.0 sq m c) 6.0 sq m d) 8.0 sq m

2. The damp proof course (D.P.C.) is measured in

- a) Cub. m b) Sq. m c) Meters d) None of these

Answers

1. d 2. b

## Student Corner



## Wild life photography by Civil Engineering Student

Sanket Babar

### Poem

*Day and Night*

*Days are bright*

*Dark in night*

*Sun in day*

*Moon in night*

*Work all day*

*Sleep at night*

*Enjoy Discover and Learn every day.*

*Kale Nikhil  
Civil Engineering Student*

## *Environment problems that world facing*

The world environment is going too much worst condition day by day as we use our natural resources indiscriminately and fail to manage our waste. Our total environmental condition deteriorate in everyday life but we yet not concern ourselves for save us from different types of natural calamities and extinction of several types of animals species groups, it is true that only human are responsible for polluting environment, but if we have a little bit concern than it will make us positive thinker to save our environment.

The first and foremost emerging problem in the world is population explosion that directly impact in our environment and every vital element of our environment such like water, Tree, air, and many other things. It causes poverty, inflation of money, high price rate of daily commodities and creates thousands of problems which are too hard to solve us. On the other hand for being increased population growth we destroy our valuable natural resources and make a devastated impact for ourselves.

At present the real situation are so dangerous that we hardly think because not only our land area but also our vast sea level area are polluted extremely, for this reasons our sea water get polluted and produce huge amount of toxic chemicals and that chemical fall a harmful effect in our sea living species. The industrial waste mismanagement is the main responsible for this huge area pollution. If we can manage our industrial waste than we can save our sea level area as well our environment as we know sea is the big source of human food so it is a necessary duty to save our sea as much as possible. As people are increasing rapidly and for that people need work place and for this reasons immense industry grow everywhere rather to think environment save. Though industry plays an important role to rapid grow our economy but excessive industry set up run a negative impact on our environment. A proper management of industrial growth can bring us a better output in our economy and our environment.

Destruction of forest is the main reason for create environmental problem, it is the root cause of increase of carbon di oxide in our environment and that increased level carbon di oxide create several types of natural disaster in every year. At present the number of disaster are gradually increasing in a year and make irrecoverable loss which destroy thousands of human lives and create economic loss of the affected country.

For being save ourselves we should save our environment so that we can save our future generation if world temperature is increasing like present situation than our land area must go under water so we should aware immediately before situation going out of control.

**Sahil Rithe**  
Civil Engineering Student

## *Thoughts in mind*

### *Outcome Based Education (OBE)*

OBE is an educational approach with respect to planning implementations, evaluation of curriculum. It reaches to students to high level of learning.

Now for polytechnic programs new scheme implementing i.e. 'I' Scheme based on OBE guidelines. In that modern approach is to be considered.

While curriculums design what industry requires, which type of skills, knowledge required that contents are incorporated in curriculum. This type of curriculum helps to polytechnic students to develop their skills, knowledge, concepts to achieve competency.

OBE education focuses on following points,

1. What students can be able to do?
  2. At what level students achieve course contents.
  3. Continuous quality improvements.
- OBE includes measuring inputs and process to include measuring output (outcome).

**Mr. B.H.Chafekar**  
Lecturer in Civil Engg.Dept.

### *Guidance on to publish technical paper or Technical paper presentation.*

We teachers always guide to the civil engineering students to present/publish technical paper of their innovative work they attempt or notice their interest into their academics. The paper presentations enable us to work on many areas to develop ourselves and improve the technical knowledge. While presenting something we must go through some specific information. Some of the points to be delivered to the students which are important to improve the skills are as following.

- a) Good reading skills.
- b) Study thoroughly about the topic for clearing the basic concepts.
- c) Good writing skills.
- d) A sense of achievement.
- e) Same skills for future scholarly researches.
- f) Knowledge about your subject area.
- g) Learn how to use resources electronic and non electronic.
- h) Establish your individuality through writing.
- i) Exercise critical thinking.

Such kind of motivational and impactful teaching learning process may help students to improve their academic performance record in the competitive era.

**Mr. P. V. Kapure,**  
LCE, Aissms Polytechnic.

## **Thank You!!!**