

# Civil Mania

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### Editorial Board

Faculty coordinator- Prof A A Bhondwe  
Student coordinator-

- 1) Ms Bajaj Pooja
- 2) Mr. Bhosale Nitin

### DEPARTMENT OF CIVIL ENGINEERING - VISION

To educate civil engineers having value based excellence with innovative approach towards research that will help to face global challenges of this profession.

## FROM THE DESK OF HOD:



Dr Suchita Hirde -

Department of Civil Engineering, with the support of all the stakeholders is flourishing. With equipped laboratories, team of well qualified faculties, department is trying to take its students beyond the horizon of theory. With research attitude in mind we are trying to develop our department towards problem solver than merely a class teaching. We welcomes everybody's involvement and suggestions for the development of the department.

We are assured that in coming days, our student will flourish and also will be the name of the department and institute

Thank You!

### DEPARTMENT OF CIVIL ENGINEERING – MISSION

- 1. Imparting quality education in Civil Engineering.
- 2. Encourage creativity, critical thinking and discipline among students
- 3. Develop sensitivity towards society and environment.

### **Guest Lecture on “Repairs and Rehabilitation of Structures”**

Mr. Chetan Raikar, Chairman and Managing Director, Structwel designers and Consultants Pvt Ltd. 01DEC 2017 Structural repairs and rehabilitation is a process of reconstruction and renewal of a facility or its structural elements. This involves determining the origin of distress, removing damaged materials and causes of distress, as well as selecting and applying

appropriate repair materials that extend a structure’s life.



### **Workshop on Total Station Handling and Data transfer Techniques**

Workshop on Total Station Handling and Data transfer techniques is arranged on 6 January 2018 by Mr.D R Kale ,Accord Engineer,Pune. The whole program is arranged by faculty co-ordinator, Prov S. V. Joshi. Total 72 Students attended the workshop



### **Civil Simplified- Workshop on Tall Buiding Design (skyfi labs)**

Under ISTE chapter, a two days workshop is arranged for Tall Building Design on 13<sup>th</sup> January 2018.Students are exposed to the methods of designing of tall buildings. Program co-ordination is done by Prof Bhondwe. Total 25 students attended the workshop



### **Yoga club**

Considering the line YOGA club with the mission to help the students to achieve inner peace and outer dynamism, conducts many activities. The vision of taking students to words healthy life style helped to get sharper mind and fit body. To underline the importance of “Ayurveda” in our ancient culture ‘herb plantation’ of Be, Aloe Vera, Tulsi, Amla was carried out. Daily session of yoga in hostel was part routing for girl students warm up, sun salutation (Surya namskar), different Asanas and Pranayam were included in it. Especially meditation filled their day with peace and joy. Guest lectue, Celebration of

yoga day, sun salutation day are queued to create awareness about yoga practice and nutrition. Club and club members are enthusiastic to lead young collegians to be more dynamic, more peaceful and eternal joyous.



## Blood Donation Camp

The NSS unit of Government College of Engineering, Karad, organized a blood donation camp, on 26th January 2018. The camp began at 10.00 a.m. with a short inaugural function where in Dr. A. T. Pise was given a floral welcome. Dr. A. T. Pise expressed his gratitude to the NSS unit of the college for its continuous endeavor in this regard. He also stressed on the growing need of blood in the state and commended the young volunteers for their noble act. 117 volunteers came forward to donate blood during the camp which

included teaching & non-teaching staff, students & non-student donors. At the end 79 units of Blood was collected.



## Field Visits

### 1) Paranjape scheme construction -For Second Year students



### 2) Central Water and Power Research Station (CWPRS) – For Third Year students



## Remarkable Student Projects

Landslide Susceptibility Mapping and Its Geotechnical Validation In Kumbharli Ghat for Proposed Karad Chiplun Railway Line by Using Remote Sensing and GIS -  
Guide - Prof. A. A. Bhondwe

## Faculty Publications

**Dr. M. R. Shiyekar**

**Research Paper-** Elastic properties of RCC under flexural loading-experimental and analytical approach

**Journal – Springer**

## Other Achievements

- Patent has been awarded to Dr. M. N. Hedao by Government of India for an invention entitled "SURFACE AERATOR BLADES WITH TWIN CUPS" FOR THE TERMS OF 20 YEARS
- Prof P K Deshpande joined VJTI for Ph. D under QIP in the month of October
- A combined meeting of alumni, academicians and industrial members was conducted to redefine and finalise the statement was conducted on date: 06/04/18

### Major Consultancy Clients

Sr. No	Work	Amount(Rs)
1	Various Construction activities under Vita Water Supply Scheme Extended, under Maharashtra Suvarnajaayantee Nagorotthan Maha-abhiyan	2,74,370
2	Construction RCC gutter in sale, stake and Dhual- vasti word no 4	23,298
3	Construction of primary school in siddheshwar colony survey no 23/9 at Tasgaon	31,990

### Laboratory Facilities available –

#### Los Angeles abrasion machine (Transportation Lab):

Abrasion test is carried out to test the hardness property of aggregates. The principle of Los Angeles abrasion test is to find the percentage wear due to relative rubbing action between the aggregate and steel balls used as abrasive charge. The test covers the procedure for testing coarse aggregates for resistance to abrasion. The machine consists of a rolled steel drum having an inside dia. of 711 mm and internal length 508 mm. The drum is rotated by a speed reducer driven by an electric motor at a speed of between 31 and 33 r.p.m.



### Advancement around the Nation-

#### Neemuch Solar Power Plant, Madhya Pradesh

Neemuch solar power plant is located at Diken in Neemuch district of Madhya Pradesh (MP), it is Asia's largest solar power plant. This 151 (DC)-megawatt solar photovoltaic power project by Welspun Energy, India's largest private solar project developers, is set up on an 800-acre site. The plant will address the power needs of 6.24 lakh homes in MP on completion.

