

Civil Mania

27 Dec 19 to 13 April 20

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Editorial Board

Faculty coordinator-
Prof A A Bhondwe

Student coordinator-

- 1) Rukmini Khobragade
- 2) Mr. Kulkarni Ashutosh.

From The Desk of HOD:

By Dr. S V Valunekar



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.

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.

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Expert Lecture on “Future of Civil Engineering”

An expert lecture was arranged on the topic of “Future of Civil Engineering” on 3rd February 2020 under Indian Society of Technical Education (ISTE) with the financial assistance by TEQIP III. The lecture was delivered by an eminent speaker Dr. Ambrish Singh, Dean Academics, REC Azamgarh.



FDP on Mechanics of Composite Materials and Structures.

One week FDP is arranged from 30th December 2019 to 3rd January 2020 by Civil Engineering Students Association (CESA) with the financial assistance by TEQIP III. The whole program is arranged by faculty co-ordinator, Prof Y. M. Ghugal. FDP is arranged on Mechanics of Composite Materials and Structures, Govt. Engineering College, Karad. Total 24 faculties participated in the FDP.



Project Exhibition by CESA

Project Exhibition is arranged on 30th December 2020 by Civil Engineering Students Association (CESA). Program co-ordination is done by Prof A H Kulkarni. Total 30 students participated in the competition. Winner of the competition are as follows



Words Worth Club

We don't read and write because it's cute. We read and write because we are the member of human race and this filled with passion. While engineering Architecture, Law is noble pursuits, Literature. Poetry beauty are what we stay alive for..Dead poet's society in the sprite of the same words-worth club was formed in 2017. The goal of this club was to provide a source of literature not just to learn something or study something but enjoy, to imagine and to live something

extraordinary. This club provides a way to read your favorite books and to grow as a community. We believe that it is important for the students of this college to read outside the curriculum to be more aware of this society and the people in it. The club is expecting its first set of books by March-2018. It will also start conducting meeting for the book club from next semester. We encourage everyone to give it a change.

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COVID 19 outbreak in India

The coronavirus disease (COVID-19) pandemic, which originated in the city of Wuhan, China, has quickly spread to various countries, with many cases having been reported worldwide. As of May 8th, 2020, in India, 56,342 positive cases have been reported. India, with a population of more than 1.34 billion—the second largest population in the world—will have difficulty in controlling the transmission of severe acute respiratory syndrome coronavirus 2 among its population. Multiple strategies would be highly necessary to handle the current outbreak; these include computational modeling, statistical tools, and quantitative analyses to control the spread as well as the rapid development of a new treatment. The

Ministry of Health and Family Welfare of India has raised awareness about the recent outbreak and has taken necessary actions to control the spread of COVID-19. The central and state governments are taking several measures and formulating several wartime protocols to achieve this goal. Moreover, the Indian government implemented a 55-days lockdown throughout the country that started on March 25th, 2020, to reduce the transmission of the virus. This outbreak is inextricably linked to the economy of the nation, as it has dramatically impeded industrial sectors because people worldwide are currently cautious about engaging in business in the affected regions.

1) A visit to Koyana Dam, Chiplun



Field Visit

2) A visit to Dabhol Jetty and lighthouse, Anjanvel



Remarkable Student Projects

Submerged Floating Tunnel Innovative Technique To Cross Navigational Channel

Guide- Prof. P. S. Patil

Faculty Publications

Dr. Y. M. Ghugal

Research Paper- Bending, Buckling and Free Vibration Analysis of Size-Dependent Nanoscale FG Beams Using Refined Models and Eringen's Nonlocal Theory

Journal – International Journal of Applied Mechanics.

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Other News

- Dr. Y M Ghugal Recipient of Outstanding Reviewer Award from Elsevier, London, UK. 2019.
- A combined meeting of alumni, academicians and industrial members was conducted to redefine and finalise the statement was conducted on date: 20/03/20

Major Consultancy Clients

Sr No	Work	Cost (Rs)
1	Condition assessment 5 column at Mokashi College	16,06,316
2	Water tank Grampanchayat Jakhindewadi, taluka Karad	5,900
3	TPI solid waste processing shed, songoan kachara depot, satara	4,71076

Laboratory Facilities available

Compression Test Machine(SOM Lab)

Compression Test machines are universal testing machines specially configured to evaluate static compressive strength characteristics of materials, products, and components. A compression test is any test in which a material experiences opposing forces that push inward upon the specimen from opposite sides or is otherwise compressed, “squashed”, crushed, or flattened. The test sample is generally placed in between two plates that distribute the applied load across the entire surface area of two opposite faces of the test sample and then the plates are pushed together by a universal test machine causing the sample to flatten. A

compressed sample is usually shortened in the direction of the applied forces and expands in the direction perpendicular to the force. A compression test is essentially the opposite of the more common tension test.



Advancement around the India-

Delhi-Mumbai Trade Corridor (DMIC)

The Delhi-Mumbai Trade Corridor is a 1,483 km railway track worked into nine “Mega Industrial Zones”. The main aim of the billion dollar scheme is to create a quick, reliable trade route linking the north of India to the south. Currently, it takes 14 days to transfer cargo along this route according to Industrial Policy and Promotion (DIPP) Secretary Amitabh

Kant. With the DMIC’s completion, it will take just 14 hours.

