

Civil Engineering magnificent structures solving problems

---- demonstrate what we are as Civil Engineers now

CIVIL ENGINEERING DEPARTMENT NEWS LETTER
2019-20 | JAN-JUNE 2019 |



HOD s Message:



This newsletter published for the year 2019-20 is dedicated to the structures built and to be built by civil Engineers by solving problems. Current issue is completely dedicated to the problems solved by the civil engineering in the history till present where we demonstrate the technique of solving problems.

DEPARTMENT MISSION

"An integrated development of Civil Engineering Professionals with technological knowledge and managerial skills; possessing environmental, ethical and human values".



DEPARTMENT VISION

"To enrich the society through Civil Engineering education for socio-economic development and welfare of the people."

PROGRAM EDUCATIONAL OBJECTIVES

- I. To provide basic scientific training to the students so as to solve Civil Engineering problems with scientific outlook rather than mere continuation of traditional practices.
- II. To provide training in basic engineering sciences so that students apply the concepts of basic engineering sciences to the solution of Civil Engineering problems.
- III. To train the students in the broad areas of Civil Engineering and inter-disciplinary areas.
- IV. To mould the students professionally competent with managerial and communication skills.
- V. To train the students to mitigate natural /environmental disasters and to inculcate professional ethics and human values.

PROGRAM OUTCOMES

- Graduates will have an ability to apply the knowledge of basic sciences like Physics, Mathematics and Chemistry for the solution of Civil Engineering Problems.
- Graduates will have sound knowledge in basic engineering sciences like Engineering Mechanics, Solid Mechanics, and Fluid Mechanics to solve Civil Engineering problems.
- Graduates will have generalized knowledge in Civil Engineering and inter-disciplinary knowledge to design and execute Civil Engineering Projects.
- Graduates will have an ability to design and conduct experiments as well as to analyze and interpret data.
- Graduates will have an ability to demonstrate knowledge and understanding of engineering and management principles and apply these principles in their profession.
- Graduates will have an ability to identify, formulate and solve engineering problems.
- Graduates will have requisite knowledge to pursue Post- graduate / Research Programmes and for life-long learning.
- Graduates will have computational and drafting skills.
- Graduates will be professionally competent with managerial and communication skills.
- Graduates mitigate environmental problems and natural disasters like earthquakes, cyclones and floods.
- Graduates perform professional duties with environmental, ethical and human values.
- Graduates will have broad education necessary to understand the impact of Civil Engineering solutions in global societal context.

*LET US have a
look into how we
as civil engineers
put our effort to
solve
problems!!!!*

The Chenab Bridge

- *The highest iconic Arch Bridge on River Chenab*
- *Indian Railways is constructing the as a part of the USBRL project to connect the Kashmir valley to the rest of the nation*
- *Railway Bridge in the world being 359m above the river bed level.*
- *1315m long Railway Bridge.*



The Car Towers, Autostadt in Wolfsburg

- *looming twin glass silos structures stand 200 feet tall*
- *exclusively for storing new*
- *Volkswagen cars*
- *automated stacks has the capacity to hold up to 400 vehicles.*
- *made it to the 2014 Guinness World Records.*
- *Recognized as the 'Fastest Automatic Parking System in the World' in the category of 'Extraordinary Elevators'*



Foot steps Taken
to path way to learn

to solve problems by research by
Faculty of Civil Engineering!!!

“ Failure is central to engineering. Every single calculation that an engineer makes is a failure calculation. Successful engineering is all about understanding how things break or fail ”
– Henry Petroski

Research Papers Published in Refereed Journals:

- *R. Chandramohan and N. Siva Vignesh, “Recognizing outlet points description on watershed on ottanchatramtaulk by GIS,” International Journal of Innovative Technology and Exploring Engineering, Vol.8 (3), 101–106, 2020.*

Paper Presentations in Conferences /Seminars/published in proceedings:

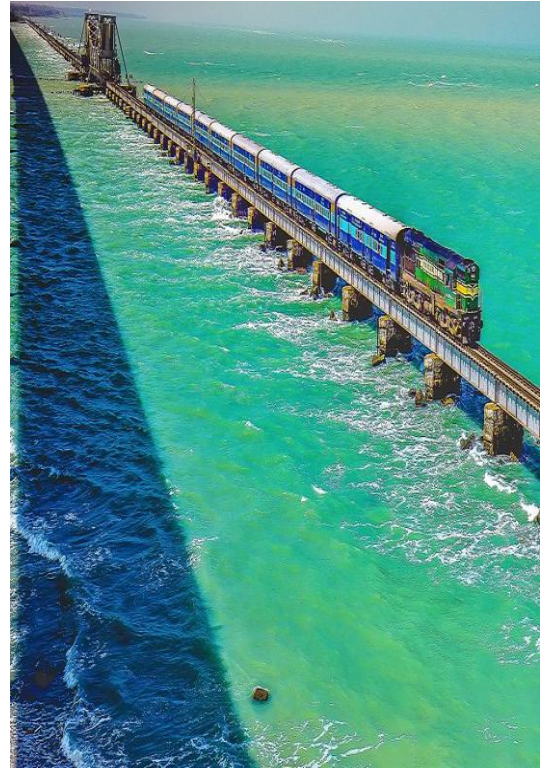
- *B. Kesava Rao, V. Maruthi, V. Vineeth and Madhusudhan Reddy, presented a paper on ‘Effect of shear walls on high rise buildings’ in the 4th International conference Advances in Civil & Structural Engineering (ICACSE-2020), organised by Government College of Engineering, Karad during May 18-20, 2020.*
- *B. Kesava Rao, R. Sai babu, P. Manoj kumar R Raju, SK. Basha and P. Manideep, presented a paper on ‘Consequences of bracings on high rise buildings’ in the 4th International conference Advances in Civil & Structural Engineering (ICACSE-2020), organised by Government College of Engineering, Karad during May 18-20, 2020.*

Conferences/ Symposia/Workshops Attended

- *R.Chandramohan, one day workshop on “The power of questions,” organized by IEEE Education Society Chapter, Hyderabad Section and Academic Staff College, KLEF Deemed to be University, Guntur, Feb.18, 2020.*
- *J.UshaKranti, one day national seminar on “Emerging trends in civil engineering (ETCE-2020)”, Organized by Department of Civil Engineering, Dr. Y.S.R. A.N.U. College of Engineering & Technology, Acharya Nagarjuna University, Guntur, Feb. 26, 2020.*
- *P. V. S Maruthi Krishna, K.Leela Krishna, and M.Srikanth Kumar, two-Day Workshop on “Industry academia meet on waste management sector” Organized by Water & Environment division, Department of Civil Engineering, NIT Warangal, Feb. 28-29, 2020.*
- *J.UshaKranti, one-week faculty development program “Civil engineering research - a step forward,” Department of Civil Engineering, Gudlavalleru Engineering College, Gudlavalleru, May. 25-30, 2020.*
- *G. Sanijay, three day faculty development program on “Current research avenues in civil engineering,” Organized by Department of Civil Engineering, Tontadarya college of Engineering, Gadag, May 29–31, 2020.*

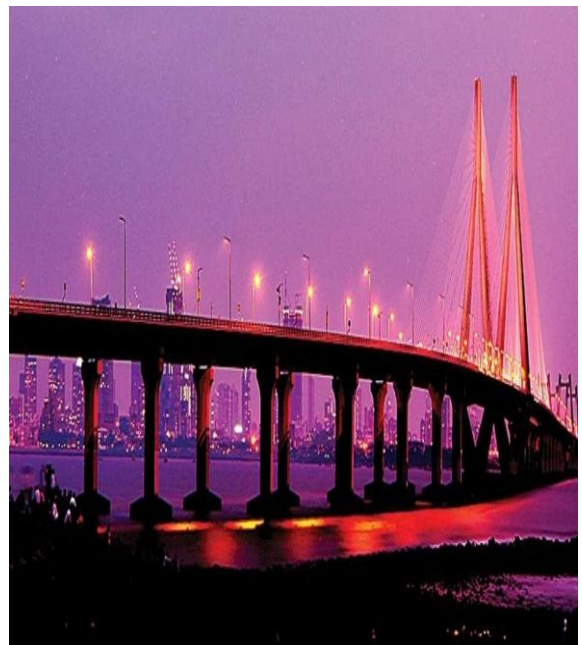
Pamban Bridge.

- *railway bridge which connects the town of Mandapam in mainland India with Pamban Island, and Rameswaram*
- *conventional bridge resting on concrete piers, but has a double-leaf bascule section midway*
- *can be raised to let ships and barges pass through*



Bandra–Worli Sea Link

- *officially known as Rajiv Gandhi Sea Link*
- *links Bandra in the Western Suburbs*
- *sea-link reduces travel time between Bandra and Worli during peak hours from 20–30 minutes to 10 minutes.*



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EDITOR: Dr.M.Ram Rao

*CO-EDITORS: Dr.P.Samatha Chowdary
Ms. Y.Madhavi*

DEVELOPERS:

*N.Mahesh (Y17CE109)
P.Jayram(Y17CE063)
K.Jagdeesh (y17 CE069)
K.Nagendra Reddy (y17CE090)*

COMMITTEE MEMBERS:

*J.Chaitanya Praksah raj (Y17CE060)
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J.Upendra (Y17CE062)
M.Neeharika (y17ce098)*