



SCMS

SCHOOL OF ENGINEERING & TECHNOLOGY
KARUKUTTY, 683576

August 2017- July 2018

DEPARTMENT OF CIVIL ENGINEERING

NEWSLETTER

VISION

To be a Department of excellence providing quality education and to engage in research activities in diverse fields of Civil Engineering.

MISSION

To impart quality education in Civil Engineering and mould technically competent, socially committed and ethically responsible professionals with a passion for lifelong learning.

FACULTY DEVELOPMENT PROGRAM -INTRODUCTION TO PARTICIPATORY RESEARCH

METHODOLOGY

Faculty development program on “Introduction to Participatory Research Methodology”; by Praxis Training Centre, Panayur was organised on August 23rd & 24th, 2017. The state-of-the-art research methodology adopted by agencies like World Bank, ADB, CIDA and the like for studies and implementation of environment-related projects were discussed. Praxis is the official training partner for Government of India, Government of Kerala and several international funding agencies like World Bank, ADB and so on. Dr.M.J.Joseph, Chief Executive of Praxis for South India was the resource person. The participants got familiarised with many latest tools and methods which are mandatory and most useful for collection and analysis of data while taking up projects from local self-governments.



TECHNICAL TALK/ SEMINAR

Technical Talk on ‘Kochi Metro- An Overview’

Technical Talk on ‘Kochi Metro- An Overview’ was delivered by Col. Thomas-Project Manager, Soma Constructions to the third semester students of Batch 2016-2020 on 12th July 2017. He discussed about the innovative construction methodologies adopted in Kochi Metro project.

Awareness Program on ANSYS

An Awareness Program on ANSYS was given by Mr. Jebin John of United CADD to the final year students of Batch 2014-2018 on 26th September 2017. The session gave the students an idea about the application of software to simulate engineering problems.

Awareness talk about Interior Designing Software

Awareness talk about Interior Designing Softwares mainly Lumion was presented by Ms. Liya James & Mr. Joseph Denny -Managing Director, Arc School of Interior Designing on 21st February 2018 to the final year students of Batch 2014-2018. They discussed about the application of the software to create images, videos and 360 panoramas to communicate the real life possibilities to design our ideas.

Talk on Service Learning in Engineering Education for Capacity Building

Prof. Dr. John Tharakan gave a lecture on the topic ‘Service Learning in Engineering Education for Capacity Building’ to the Eighth semester students (Batch 2015- 2019) on 16th March 2018. He also addressed the first year UG and PG (Environmental Engineering) students and gave an informative speech on Resource Management in 21st century which is the need of the hour.

Bridge-in course on Civil Engineering Drafting

A bridge-in course was conducted for the third semester students of Batch 2016-2020 as a pre-requisite for the course Civil Engineering Drafting. The session was handled by various faculty experts from the department. The session helped the students learn the fundamentals of computer aided drawing and in developing their knowledge in drafting the plans.

INDUSTRY INSTITUTE INTERACTION

Industrial Visit

Fourth semester students of Batch 2016-2020 visited Brick and Tile Manufacturing Industry, Rock Pavers, Mysore on 9th February 2018 as a part of their industrial visit to get acquainted with the different techniques used in the industries. The visit gave the students information on the various phases of brick and tile manufacturing such as securing the materials, mixing and forming, drying, firing and cooling. They could also get an idea about the growth potential and prospects of marketing.

STUDENT PAPER PUBLICATIONS

1. Khansa Abdulla, E.B Akhil, Haritha Lakshmi V G and Jerin Jimmy published a paper *Aiswaria K**, “Manufacturing and Experimental Investigation of Bricks with Plastic and M-Sand”, International Journal of Innovation Research in Science, Engineering and Technology (IJIRSET), Volume: 07 Issue: 6, June-2018
2. Agin Rose Pynadath, Aiswarya Mohanan**, Ajith K**, Akheel E K**, *Tina Maria Sunny**, “WEO and WCO as a Rejuvenating Agent in Aged Bitumen”, International Journal of Scientific Research in Civil Engineering (IJSRCE), Volume: 02 Issue: 3, June-2018
3. Chithralekha V Dev, *Tennu Syriac**, “Study on Double Reduced Steel Beam to CFST Column Connection Under Cyclic Loading”, International Research Journal of Engineering and Technology (IRJET), Volume: 05 Issue: 05, May-2018
4. Krishnendu Sivadas, V Srinivas, *Nidhi Murali**, “A Review on Finite Element Simulation for Longitudinal Force Evaluation of Steel Railway Bridges” International Journal of Emerging Technology and Advanced Engineering (IJETA), Volume 8, Issue 6, June 2018
5. Nithya Nandan, *Sandeep T.N.**, “Concrete Filled Steel Tubular Column with Bamboo Infill”, International Research Journal of Engineering and Technology (IRJET), Vol-05, Issue-05, May-2018.
6. K. Vishnuraj, *S. Janardhanan**, *T.N. Sandeep**, “Design Optimization of Water Injection Module of Topside Facility of an FPSO”, International Journal of Structural Mechanics and Finite Elements, Vol 4, issue 1, 2018.

7. JithuSygal , S. Janardhanan*, “Numerical Study on the Effect of Ball Baffles in Reducing Sloshing Loads in Ship Tanks”, International Journal of Structural Mechanics and Finite Elements, Vol 4, issue 1, 2018.
8. Anu K P, *Dr. EM Somashekar Nair**, “Fracture Behaviour of Cold Rolled Close Annealed Steel Sheets with Defects”,International Research Journal of Engineering and Technology (IRJET), Vol-05, Issue-05, May-2018.
9. Mahitha .T, *Aswini .J**, “Properties of Recycled Asphalt Pavement Aggregate Concrete”,International Research Journal of Engineering and Technology (IRJET), Vol-05, Issue-05, May-2018
10. Mahitha .T, *Aswini .J**, “Effect of Copper Slag and Granite Powder on the Mechanical Properties of Reclaimed Asphalt Pavement Aggregate Concrete”,International Journal of Sustainable Construction Engineering & Technology, Vol 9, No 2, 2018
11. TreesaTintu, *Merin T Saji**, “Influence of GFRP Wrapping on Defecient Hollow Circular Steel Column Under Cyclic Loading”,International Research Journal of Engineering and Technology (IRJET), Vol-05, Issue-05, May-2018

STUDENT PARTICIPATION IN INTERNATIONAL CONFERENCE

1. Anupama S, “Integrated forward –reverse osmosis system for water reclamation”, International Conference on Energy & Environment Global Challenges (ICEE-2018), 9th -10th March 2018, NIT Calicut



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