



SCMS

SCHOOL OF ENGINEERING & TECHNOLOGY
KARUKUTTY, 683576

August 2015- July 2016

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.

INDIAN CONCRETE INSTITUTE STUDENTS CHAPTER

Concrete mix proportioning – Theory and practical

A one-day training program on concrete mix proportioning – Theory and practical was conducted jointly by ICI and Ultratech cement on 21 January, 2016 for the sixth semester students of Batch 2013- 2017. The forenoon session included a discussion on introduction to Concrete Mix Design handled by Er. M. A Joseph. The main topics of discussion were ingredients and properties of concrete and importance of these properties in mix design. The principles of mix design were discussed in detail and mix design procedure for M35 grade concrete was done as per IS: 10262-2009. In the afternoon session the students were divided into groups and assigned different tasks. Using the calculated amount of materials, the mix was prepared under the guidance of technical officers Mr. Rabish and Mr. Ranjith from the Ultratech cements.

Bridging the gap

A series of sessions were conducted from 20th June to 21st July 2016 as a part of the summer training programme – “bridging the gap” for the students of 3rd Semester of Batch 2015-2019. The training was encompassed of a technical talk by Er. Shelly S. Fernandez, GM, Ready Mix Concrete, on 24th June 2016. The presentation on “Health, Safety and Environment” mainly dealt with the safety measures to be taken on the construction sites. Overview of health and safety surveillance and monitoring system, Strategies and tools for protecting occupational safety and health in emergencies etc were discussed.

An intensive training on Civil Engineering Drafting was given from 19th July to 21st July, 2016. The training programme was conducted by faculties of Civil Engineering Department and included an introduction to manual drafting, AutoCAD drafting & modification tools and hands on exercise of drafting of different building components.

A live project was done by the students on “Environmental Status Assessment for Kochi Municipal Corporation” from 28th June to 15th July, 2016. A field survey and plotting of the Thevara -Perandoor canal, Kochi were done using Fly Levelling & Total station survey methods.



SOCIETY OF ENERGY ENGINEERS & MANAGERS (SEEM) STUDENT CHAPTER

Technical session on Energy, Environment and Sustainable Development

First semester students of Batch 2015- 2019 was delivered with a session on Energy, Environment and Sustainable Development by Er. C Jayaraman, National General Secretary, SEEM on 16th October, 2015. He discussed about the renewable energy sources, sustainability issues, energy policies for sustainable development and climate change mitigation.

Workshop on Sustainable Development

The SCMS-SEEM Student Chapter Inauguration was conducted on 27th June, 2016 as a part of which a workshop was conducted on “Sustainable Development”. The workshop focused on the Fundamentals of energy, Environment and Sustainable development, Green Building and LEED/ Griha Rating, Energy Auditing with focus on Building Energy and new technologies for sustainable Development. The resource persons of the workshop were Er. Jayaraman C., National General Secretary, SEEM, Mr. Shreeganesh V. Nair, MD and Chief Consultant, Ganesh Technical Consultancy Services, GTCS, Kochi and Er. G Krishnakumar, Empower Global Management Solutions.

INDUSTRY INSTITUTE INTERACTION

Industrial Visit

A one-day industrial visit to L & T Casting Yard near HMT and at Muttom was organised on 3rd February 2016 for the M.Tech CASE students. They were provided with sufficient explanation about the casting yard operations. The making of precast concrete members and prefabricated rebar cage was clearly explained.

TECHNICAL TALK/ SEMINAR/ TRAINING

Interactive session “Meet the great Achievers”

An interactive session “Meet the great Achievers” with Shri. E Sreedharan, Principal Advisor, DMRC was organized at 24th February 2016 at St. Theresa’s College, Ernakulam . Selected students of Batch 2013-2017 and Batch 2014-2018 attended the session. He discussed about his journey with metro rail, challenges encountered during the implementation of various project, opportunities of civil engineers in the infrastructure development and current projects he was currently associated with. The uplifting words of wisdom inspired the students and created a positive impact.

THE 3rd INDIAN – GERMANY WATER PARTNERSHIP- DAY

The 3rd Indian – Germany Water Partnership- Day organised by GWP in association with SCMS Water Institute and Kochi Municipal Cooperation was held on October 19, 2015 at The Gateway Hotel, Ernakulam. The program had sessions on Municipal wastewater, potable water and industry water where the experts discussed about the challenges faced by the Indian water sector and operations for co-operation.





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