



SCMS

SCHOOL OF ENGINEERING & TECHNOLOGY

KARUKUTTY, 683576

August 2018 - July 2019

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 PROGRAMME - EMERGING CHALLENGES IN SUSTAINABLE URBAN DEVELOPMENT

Department of Civil Engineering at SSET organized a 3 day faculty development programme (FDP) on the theme “Emerging Challenges in Sustainable Urban Development” from July 10th to 12th 2019. This programme was sponsored by A P J Abdul Kalam Technological University and was attended by 30 faculty members from various engineering colleges across Kerala. The programme focused on various aspects of urban development and the challenges that are emerging and demanding sustainable solutions. FDP covered wide range of topics important for urban sustainability such as Urban infrastructure, mobility, waste management, water security and biodiversity. Resource persons included Prof. S. Mohan (IIT Madras), Mr. Kabeer Haroon (President Operations, G J Eco power Pvt. Ltd), Dr. Rajan Chedembath (Director, Kochi Urban Institute), Dr. Shaju Thomas (Tropical Institute of Ecological Sciences, Kottayam), Prof. A. Praveen (RIT Kottayam), Dr. Tuhin Banerji (Scientist Fellow, NEERI Mumbai), Mr. G.P Hari (Additional GM, Kochi Metro Rail Ltd) and Dr. Sunny George (Director, SCMS Water Institute). Resource persons shared their practical experiences from the projects they implemented in the country. A field visit for the participants was arranged to the Solar Power Plant at Cochin International Air port Ltd (CIAL) to learn the best practice model in sustainable development. Faculty development programme was inaugurated by Prof. S Mohan, a senior professor with Dept. of Civil Engineering at IIT Madras in a function presided by Professor Radha P. Thevannoor, SCMS Group Registrar & Group Director. The faculty development programme was coordinated by Dr. Ratish Menon, Associate Professor of Dept. of Civil Engineering at SSET.



INDIAN CONCRETE INSTITUTE STUDENTS CHAPTER

Seminar on Alternative Materials of Construction

A half day seminar on ‘Alternative Materials of Construction’ was held on 19th March 2019 for S4 CE1 & 2 (Batch 2017-2021) students by Mr. Abhilash Joy, CEO, Stuba Engineering Consultancy Private Limited. Alternative technologies practiced in construction industry using wide range of materials like ferro-cement, clay, bamboo, gypsum and light weight materials were discussed during the session. The session ended with an interactive session in which the audience participated actively.



Seminar on Journey through Concrete

S1 and S3 students of M. Tech(CASE) got a rare opportunity to interact with Er. Shyju Nair, Zonal Head- Technical Services, Ambuja Cements Limited. The expert talk was conducted on 24 November 2018 from 11.30am to 2.30 pm. The basic fundamentals every structural engineering student must have in concrete technology to enhance their theoretical knowledge to practical level was covered.

Inquisitive'19

Inquisitive'19 - Quiz Competition” was conducted on 28th February, 2019 from 2.50 pm - 4.00 pm for S2 (Batch 2018-2022) and S4 (Batch 2017-21)UG students. Two teams from each class participated making a total of six teams of 2 members each. Araavind Subramaniom and Yadhukrishnan R of S2 CE (Batch 2018-2022) bagged the first prize and the second prize was secured by Muhammed Afthabudeen and Muhammed Saheel P A of S4 CE2 (Batch 2017-21).



Industrial Visit

47 students of S6CE1 (Batch 2016- 2020) accompanied by Mr. Anvin Sebastian and Ms. Praseeja A V, Asst. Professors ,Civil Engineering Department visited GLORIA GRANITES on 23th of March 2019 as a part of industrial visit. A detour of the full factory was given including the working, precautions to be taken, marketing of the products, uses in the field of construction and advantages of the use of manufactured sand (M sand) over river sand.



13 students from S6 CE (Batch 2016-2020) and 6 students from M.Tech CASE had attended the one-day site visit to the building construction site under T.P Constructions at Chirangara on 2nd March 2019. Mr. Sandeep T N and Deeraj A D, Asst. Professors, Civil Engineering Department accompanied the students. The site visit focused on Weigh Batching mini-Plant, Soil Report, Type of Foundation, Selection Detailed study of Foundation drawings, Shuttering work, Structural drawings, Bar bending for reinforcement, Sunken slab, Retaining wall etc.



53 students of S3 CE1 (Batch 2017-2021) accompanied by Mr. Deeraj A D and Ms. Jane Teresav visited the Design Mix & M-sand Unit, Bangalore. Various phase in an RMC plant, Manufacturing of Ready Mix Concrete (RMC) and the equipments used were described by the instructor.



Creazione '19

Creazione '19 - Popsicle bridge contest was conducted on 14th February, 2019 from 3.00 pm - 4.30 pm for all UG students. A total of 47 teams participated in the contest. The guidelines for bridge modelling were given beforehand and dimensions were given on the spot. The competition not only served the purpose but also nurtured an interest to work in teams among students. The first prize was bagged by Anshida C. A., Anu Shon V. C., Diya S of S4 CE1 (Batch 2017-21) and second prize was secured by DakshinUdayan, Doris Davis and Gayathri V. Marar of S8 CE1 (Batch 2015-19).



SOCIETY OF ENERGY ENGINEERS & MANAGERS (SEEM) STUDENT CHAPTER

One day workshop based on **Sustainability Energy Championship 2019** organized by SSET SEEM Students Chapter and IEEE Students Chapter in association with SEEM Kerala Chapter and IEEE Kerala Chapter was conducted on 26th February 2019. Mr. C.M Varghese, SEEM Kerala Chapter was the resource person. The aim of the program was to give awareness on sustainable energy, need of optimum use of energy resources and Energy audit. Ten groups with 3 students each was selected from EEE dept, ME dept and CE dept for auditing nearby 10 houses (each group) and present their findings and recommendations. Among the 10 groups, best two groups will be participating in District Level Competition from which they will be shortlisted for Zonal level competition.



CIVIL ENGINEERING DEPARTMENT ASSOCIATION

Club Activities

Poster Making Competition-Mosaic '19

“**Mosaic**” is an annual in-house competition conducted to enhance the creative and artistic skills of Civil Engineering students. Painting Club and Prakrithi Eco Club of the Department of Civil Engineering jointly conducted a poster making competition Mosaic '19 on the occasion of World Water Day 22nd March 2019. The competition was open for all members of the painting club of the Department. The poster was a visualization of World Water Day 2019 theme “*Leaving no one behind*”. The first round of the competition was conducted on 21st March, 2019 from 3.00pm- 5:00pm. 10 teams consisting of two members each participated in the contest. Shortlisted teams underwent a second round on 28th March 2019 where they delivered a two-minute presentation to describe their poster. First prize was shared between Greety C Maria, Geethu Bennyson of S8CE1(Batch 2015-2019) and Ajith C B and Kiran T M of S2CE(Batch 2018-2022) and second prize was secured by Raesa Ummar and Meghana Ravikumar of S2CE(Batch 2018-2022).



Do A Volte- Face

Do A Volte- Face is an annual in-house competition conducted by the Prakrithi Eco Club of Department of Civil Engineering. A model making competition strictly out of waste materials was conducted on 28th March 2019. A total of 4 each of 4 members participated in the contest. The first prize was bagged by Ms. Rintu Kurian , Ms. Sreedevi, Ms. Athira and Ms. Gincy of S2 M.Tech Environmental Engineering students and second prize was bagged by Ms. Krishnapriya K B, Ms. Ashitha T, Ms. Dahlia Theresa N J and Ms. Aysha V A of S8 CE (2016- 2020).

Circle of Excellence

A felicitation ceremony was organized by the Department of Civil Engineering to honour the top three performers in academics for the 2018-'19 odd semesters and the winners of various departmental competitions. The program was held on 9th May, 2019. A special award was given to honour Ms. Shanaraj of outgoing batch for her consistent excellence in academics.



INDUSTRY INSTITUTE INTERACTION

Virtual Session on Open Roads Designer Software

Department of Civil Engineering organised a software training program by Bentley Institute on 19th February 2019 at 2.30 pm to 4.00pm. The program included virtual session on Open Roads Designer Software, road way 3D modelling and design software in which a total of 64 civil engineering students from 2016-2020 batch attended. Students got an opportunity to use and practise the software individually.

Toastmasters of Kerala - Demonstration Meeting

Toastmasters of Kerala Demonstration Meeting was held on 7th November 2018. T.M Ajit Kumar, President, Smart City Toastmasters, Kakkannad and six fellow toastmasters addressed the gathering. The purpose of the demonstration meeting was to provide an opportunity for the students and faculty who look forward to transform themselves into confident public speakers and strong leader to observe a typical

toastmaster's meeting. Audience included forty five people, six students from each branch, two from each semester on the average and about fifteen faculty members.



Webinar- RMC in Construction: Issues and Solutions

A one hour Webinar on the topic "RMC in Construction: Issues and Solutions " was held on 5th October 2018 from 4.45 pm. Er. KshemendraNath P, Founder and Director, Resilient Energy India Pvt Ltd. was the resource person. Undergraduate and postgraduate students of 2016 and 2017 admissions were present for the session. Issues of using ready mix concrete in construction practises and their solutions were discussed.



TECHNICAL TALK/ SEMINAR

In-House Talk on ‘All About SCMS Water Institute’

Dr. Sunny George, Director of the SCMS Water Institute delivered a talk on the vision and mission of SCMS water institute to the Final year Civil Engineering students (Batch 2015- 2019) on 27th February 2019. He briefed about the German collaboration of SCMS Water Institute. The

second phase of the talk was about the projects which have already been undertaken by the Water Institute. The current activities under water institute were also discussed.

Session on Options for Overseas Study/Work/Settlement

Mrs. Sreemol Rakesh (Certified Counselor for Australia/New Zealand/Canada/UK/Ireland) with more than 10 years of experience in overseas education industry and Mr. Vinu Jose (certified counselor for Australia and New Zealand) with more than 4 years of experience in the same field conducted a session on Options for Overseas Study/Work/Settlement for the final year students of Batch 2015-2019 on March 22nd 2019. The wide-ranging possibilities and job opportunities after the abroad education and means to make money abroad by associating themselves with a part-time job were discussed. The session also dealt with scholarships and procedures for availing bank educational loans.



Session on Civil Services by Chanakya IAS Academy

Mr. Simon Tharakan, Marketing Head - Kerala and Middle East Operations, Chanakya IAS Academy – Delhi conducted a session on Civil Service for the final year students of Batch 2015- 2019 on 22nd March 2019. He mainly focused on the perspective of civil service aspirants of the south and north India. Students were also informed about the new classes on IAS which is on the verge of opening at Kochi. The academy also conducted a one hour test for scholarships.





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