



The Civil Engineering Department, in association with UBA, conducted a training programme on 'Domestic Pollution and Remedial Measures' on 22nd August 2023.



Civil Engineering Association Inauguration on 15th November 2023 by Mr. Jithin T.J, Assistant Manager, Shyam Steel Industries Limited, Chennai



College Vision

Creating eminent and ethical leaders through quality professional education with emphasis on holistic excellence.

College Mission

- *To emerge as an institution par excellence of global standards by imparting quality engineering and other professional programmes with state-of- the-art facilities.
- * To equip the students with appropriate skills for a meaningful career in the global scenario.
- * To inculcate ethical values among students and ignite their passion for holistic excellence through social initiatives.
- * To participate in the development of society through technology incubation, entrepreneurship and industry interaction.

Department Vision

To emerge as a Centre of Excellence in Civil Engineering through quality professional education and to create eminent leaders with values committed to the profession and society.

Department Mission

- * To impart state of the art education and to provide industry exposure to students
- * To create civil engineers who successfully adapt and innovate solutions for the built environment
- * To inspire and transform the students to hard core professionals and academicians with ethical values.

PROGRAMME EDUCATIONAL OBJECTIVES

The program educational objectives of B.Tech in Civil Engineering are:

1. Graduates will have concrete knowledge in the application of necessary mathematical tools, scientific theories and modern developments in civil engineering.
2. Graduates will understand the societal needs and will be committed in developing optimal solutions.
3. Graduates will pursue higher education, research or entrepreneurship apart from being employable.
4. Graduates will be competent to face challenges in civil engineering through lifelong learning process and will have high ethical values, honesty and a sense of responsibility

PROGRAMME SPECIFIC OUTCOMES

1. Acquire the ability to plan, furnish and/or analyse designs and implement infrastructure-related systems, produce related documents, drawings and reports, and quantity estimates, related to the civil engineering domain.
2. Apply theoretical concepts and technical skills in developing appropriate sustainable solutions through self-learning, research and teamwork for technical problems requiring civil engineering interventions towards a better quality of life.
3. Utilise the acquired knowledge in Environmental Engineering and Transportation Engineering to conceptualise, analyse, and evaluate specific problems in Water Quality Management, Sanitation, Pavement Design, Traffic Engineering and Transportation Planning and develop appropriate solutions.

Department Activities



Prof. Rathish S. giving Lecture on 'Water Quality Issues and Remedial Measures' one day programme 22/08/2023.



Prof. Cyriac M. G. giving a lecture on 'Environmental Planning of House and Surroundings' one day programme 22/08/2023.



Civil Engineering Department conducted an Addon Course on 'Total Station' 11th-15th September 2023.



Civil Engineering Department in association with CISAT conducted an one day workshop on 'Astetic Aspects of Building Design' 7th November 2023



Mr. Jithin T.J, Assistant Manager, Shyam Steel Industries Limited, Chennai, addressing the students on Inagration of CEA association on 15th November 2023



Newly elected members of CEA.



Students of S5 CE(2021-25) batch visited Cherakuzhi Dam on 18th November 2023.



Students visited the site of Roots Valley International School, Payannur, to study structural detailing. On 18th November 2023.



Students and staff of Civil Department visited Agathi Mandiram at Irunnilamkode to celebrate Christmas with them on 15th December 2023

Students Achievements



Mr. Muhammed Hashim Mohammed Sageer S7CE 2020-24 batch have won third position in Eco Innovation Quizzathon Quiz Competition organised by IEEE Kerala Section. 8th -9th Sept 2-23

Ms. Agna Roy S5CE have been selected as Assistant COO, IEDC EXECOM, 2023-24

Mr Nabeel Vellankutty Noushad. S3CE have been selected as Assistant COO, IEDC EXECOM, 2023-24

Ms. Annliya A T S3CE have been selected as Asst. Women Lead IEDC EXECOM 2023-24

Ms. Soja R Joseph and Ms. Bineetha Wilson, participated in National Level Poster Presentation Exhibition on 'Green Transport Technology' organized by CSIR-CRRI on 13th December 2023

Mr. Muhammed Hashim Mohammed Sageer and Pranav K S7CE have participated in Dr APJ Abdul Kalam

Energy Quiz 2023 Organized by KSEBEA on 31ST October 2023

Ms. Soja R Joseph completed 12 week NPTEL course on Sustainable Transportation System, offered by IIT Roorkee

Ms. Bineetha Wilson A completed 12 week NPTEL course on Sustainable Transportation System, offered by IIT Roorkee

Ms. Kavya M M successfully completed 4 week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay.

Ms. Arya Manoj successfully completed 4 week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Ms. Akitha S successfully completed 4 week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Mr. Ajith C S successfully completed 4 week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Ms. Mariya Joshy successfully completed 4 week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Mr. Manu S successfully completed 4 week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Ms. Anjana Chandran V M successfully completed 4 week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay.

Ms. Sreelekha K successfully completed 4 week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay.

Ms. Athira K R successfully completed 4 week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay.

Ms. Anagha K. S. successfully completed 4 week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay.

Ms. Sreejiya T R. successfully completed 4 week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay.

Mr. Magh Shaju Puthur successfully completed 4 week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay.

Mr. Jackson V K successfully completed 4 week NPTEL MOOC course on Geotechnical Engineering Laboratory by IIT Bombay.

Ms. Ruby Joseph successfully completed 8 weeks MOOC course on Concrete Technology by IGNOU.

Ms. Ruby Maria Johshy successfully completed 8 weeks MOOC course on Concrete Technology by IGNOU.

Ms. Megha A B. successfully completed 8 weeks MOOC course on Concrete Technology by IGNOU.

Sports Achievements

Mr. Sidhil S (S7 CE- 2020-24 batch) has been selected for APJ Abdul Kalam University KhoKho Team.

Mr. Anton John Issac represented the E-zone Football tournament held at NSS Palakkad 3rd-5th December 2023.

Mr. Don Paulson represented E-zone Kabaddi Competition 28th October 2023.

Publications

Ms. Flora Philip Ms. Archana S Published a paper "Estimation of capacity and model development using linear regression" in an International Research Journal of Engineering and Technology, Volume :10, Issue:10, Oct 2023; e-ISSN : 2395-0056

Faculty Achievements

Sooya M Nair published a book on "Students Guide to Design of Hydraulic Structures" 381[1sbn]2022A



Prof. Cyriac M. G. has given a technical talk on 'Solid Waste Disposal – Challenges and Way Forward' at IEI Thrichur Local Centre, 25th August 2023.

Prof. Cyriac M G have Published an article in Deepika paper entitled "Buildings and Environmental Philosophy" on 6th October 2023.

Ms Jisha Akkara, participated in National Level Poster Presentation Exhibition on 'Green Transport Technology' organized by CSIR-CRRI on 13th December 2023

Soorya M Nair, completed 8 week NPTEL course on Building Materials and Composites by IIT Kharagpur with Silver and Elite certificate and topper stamp among 5 % of Certified candidate

Dr. Alwyn Vargherse, completed 8 week NPTEL course on Building Materials and Composites by IIT

Kharagpur with Silver and Elite certification

Ms. Neeraja P G, completed 8 week NPTEL course Building Materials and Composites by IIT Kharagpur with Elite certification

Ms. Anju M.J. completed 4 week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay with Elite certification.

Ms Jeffy Johny, Completed 8 week NPTEL course on Project Planning and Control. Offered by IIT Madras.

Ms Jisha Akkara completed 8 week NPTEL course on Accreditation and Outcome based Learning.

Ms Jisha Akkara completed 12 week NPTEL course on Introduction to Multimodal Urban Transportation System.

Ms Anna Joseph Completed 8 week MOOC course on Accreditation of Undergraduate Engineering Programme

Faculty Development Programme

Soorya M Nair completed short term online training on "Remote Sensing & Data Analysis" organized by the Department of Civil Engineering, SCMS School of Engineering and Technology from 07th August to 19th August, 2023.

Ms. Archana S, attended two days of online FDP organized by Government Polytechnic College, Chelakkara in "Enhancing Civil Engineering Proficiency", 18.09.2023 and 19.09.2023.

Ms. Soorya M Nair Completed the two day training on Research methodology using Chat GPT and Artificial Intelligence tools organized by Kerala Veterinary and Animal Scienceship, University, Wayanad at Academic Staff College, Mannuthy, Thrissur, Kerala during 11/12/2023-12/12/2023

PROGRAMME OUTCOME

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change