



Department of Civil Engineering

CONNECTIONS

NEWSLETTER

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Editorial Board

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III YEAR CIVIL ENGINEERING

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II YEAR CIVIL ENGINEERING

Department Vision and Mission

Vision

To become a department of excellence in Civil Engineering education and research producing globally competent civil engineers to serve the industry and society.

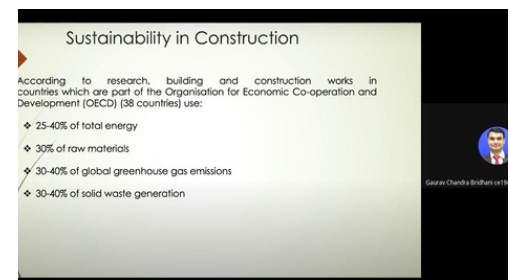
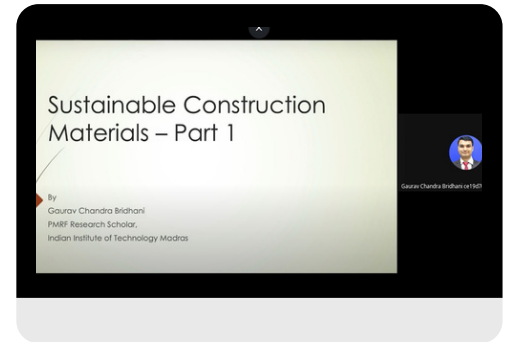
Mission

- Providing state-of-the art resources that contribute to an excellent learning environment.
- Imparting necessary skills, cultivating moral and ethical values.
- Establishing regular interaction and collaboration with industries.
- Motivating the students to take up competitive exams and pursue higher education.
- Promoting research and development activities in emerging areas of civil engineering and offering services to society and industry through education, research and consultancy activities.

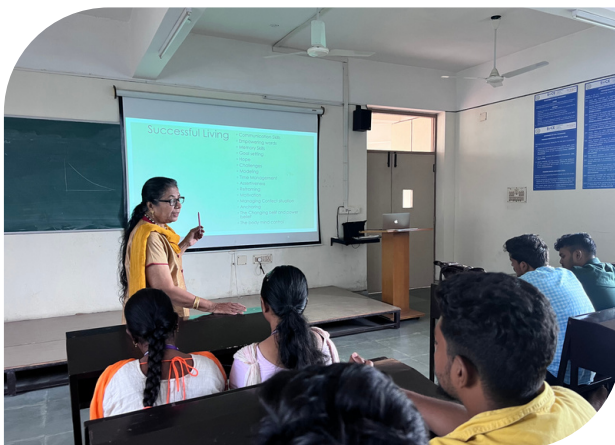
Programs Organised

07/01/2023

Guest Lecture on "**Sustainable Construction Materials**" was delivered by Mr. Gaurav Chandra Bridhani, Prime Minister Research Fellowship (PMRF) Scholar, Structural Engineering Division, Dept of Civil engineering, IIT Madras. on 7th January 2023 through online mode. This program was organised by Mr. R. Kalaivannan



31/01/2023



Dr. Naseem Akthar, Psychological Counsellor, SVCE delivered a lecture titled "**Human Values : Neuro Linguistic Programming**" on 31st January, 2023. This program was attended by third and final year students.

Programs Attended

- **Dr. R. Kumutha, Dr. M. Selvakumar, Mrs. Ruby Freya and Mr. G. Arun** attended Workshop on "Gender Audits in Higher Education Institutions: The Why and How?" Sponsored by AICTE under the Distinguished Chair Professor Scheme on 27th and 28th January 2023 organised by Sri Venkateswara College of Engineering. The program is coordinated by Dr.R.Kumutha, Professor & HoD/Civil Engineering.



- **Mr. A.Vijay Vignesh** participated in the Online Workshop on "IP Awareness/Training Program" under National Intellectual Property Awareness Mission on January 30th 2023 organized by Intellectual Property Office, India
- **Dr.R.Kumutha, Dr.R.Sathia and Dr.M.Selvakumar** attended the 3 days Faculty Development program - The Art of Living (Capacity Building for Productivity Enhancement) from Jan 9 to 11, 2023 at Sri Venkateswara College of Engineering.
- **Mr. B. Neelakandan, Instructor** has participated in Machine tool maintenance, MPPPL AMIT horizontal broaching machine hydraulic mechanical assembly and cafoma duplex one machine two spindle bed ways assembly work from 09/01/2023 to 13/01/2023.

Students Activities

- The following students participated in the Online Workshop on “IP Awareness/Training Program” under National Intellectual Property Awareness Mission on January 30th 2023 organized by Intellectual Property Office, India. Jai Siddarth (I Year), Yugheswaran (I Year), Jenisha A (IV Year), Hariharan V (IV Year), Harshavarthani G (IV Year), Gogula Chezhiyan N (IV Year), Bharanidharan B (IV Year), Jenani M (IV Year)
- Students from final year participated in the Mega Awareness Program by YRC from 26th to 31st January 2023. - Mr. V Hariharan, Ms. Jenisha A, Mr. B. Bharanidharan, Mr. Siddharth J U, Ms. G Harshavarthani, Mr. D. Laleeth Kumar, Mr. G. Saravanapandi, Ms. R. Hemalatha, Mr. Yokesch J P, Mr. Mohammed Shafeen, Mr. A. Abishek and Mr. A. Rohan Lewis
- Jai Siddarth (I Year) has cleared the Civil Engineering Online Quiz organized by NinthSem on 04.01.2023.
- Vignesh A has undergone the industry Oriented Self Paced training (Online) on “Project Planning Using MS Projects” organized by Construction Management Training Institute, Bengaluru (CMTI).
- Hemalatha R participated in the Environmental Pollution Awareness Talk by Dr. R. Ravi, part of the Mega Awareness program organized by Youth Red Cross, SVCE Unit on 28/01/2023.

Students Activities

- Siddharth JU has successfully completed the Micro-Learning Course on “Pipe Laying Methods - Waste and Wastewater Projects” offered by the L&T Edutech Micro Learning Initiative on 04.01.2023.
- Siddharth JU has successfully completed the Micro-Learning Course on “Handling of Concrete in Sites” offered by the L&T Edutech Micro Learning Initiative on 04.01.2023.
- Siddharth JU has successfully completed the Micro-Learning Course on “Basics of Heavy Lifting” offered by the L&T Edutech Micro Learning Initiative on 08.01.2023.
- Siddharth JU has successfully completed the Micro-Learning Course on “Concepts of Project Risk Management” offered by the L&T Edutech Micro Learning Initiative on 08.01.2023.
- Siddharth JU has successfully completed the Micro-Learning Course on “Modular Formwork” offered by the L&T Edutech Micro Learning Initiative on 08.01.2023.

PROGRAM OUTCOMES (POs)

Students in the Civil Engineering program should, at the time of their graduation, be able to

- Apply the knowledge of mathematics, science, engineering fundamentals and concepts of Civil Engineering to the solution of complex engineering problems. **(Engineering knowledge)**
- Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences. **(Problem analysis)**
- 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. **(Design/Development of Solutions)**
- 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 for complex problems. **(Conduct Investigations of Complex Problems)**
- Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations. **(Modern Tool Usage)**
- 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. **(The Engineer and Society)**
- Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. **(Environment and Sustainability)**
- Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. **(Ethics)**
- Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. **(Individual and Team Work)**
- 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. **(Communication)**
- 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. **(Project Management and Finance)**
- Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change. **(Life-long Learning)**

PROGRAM SPECIFIC OUTCOMES (PSOs)

Students in the Civil Engineering program should, at the time of their graduation, be able to

- Provide solutions for real life problems related to core areas of civil engineering by applying knowledge of mathematics, Basic and Engineering Sciences and by using appropriate engineering tools.
- Plan, analyse, design, execute and manage infrastructure projects considering safety, societal and environmental factors.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Civil Engineering graduates during the first few years of graduation will:

- Practice civil engineering in construction industry, government or public sector undertakings by applying ethical principles and following norms of civil engineering practice.
- Pursue higher education and research to hone-up latest civil engineering technologies and to adapt to the changing global scenario.
- Exhibit leadership and team working skills as an entrepreneur with demonstrable attributes to contribute to the societal needs.

