

**Volume 5 Issue 3**

**NOV'22**

# **HORIZON**

**NEWSLETTER**

***Department of  
Civil Engineering***

## **CONTENTS**

- Awards & Recognitions
- Industry-Institute Interaction
- Industrial Visits
- Programs organised
- Programs Attended
- Students Activities

# **EDITORIAL BOARD**

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**III YEAR CIVIL ENGINEERING**

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**II YEAR CIVIL ENGINEERING**

# DEPARTMENT VISION & 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.

# AWARDS & RECOGNITIONS

Dr. R. Kumutha, HoD/Civil Engineering has received **ICI – Ultratech Outstanding Women Concrete Engineer Award 2022** in recognition of her contribution towards research and development in the field of Concrete Technology during the Concrete Day Celebrations held on 22nd November 2022 at Hotel Green Park, Chennai.



Dr.R.Kumutha, HoD/Civil Engineering was **felicitated in the Staff Council Meeting** held on 30.11.2022 for receiving the ICI – Ultratech Outstanding Women Concrete Engineer Award 2022.



# AWARDS & RECOGNITIONS

Indian Concrete Institute (ICI) Student Chapter of our Department has been awarded as First Runner up of **ICI – Ultratech Outstanding Student Chapter Award 2022** during the Concrete Day Celebrations held on 22nd November 2022 at Hotel Green Park, Chennai.



# INDUSTRY- INSTITUTE INTERACTION

Memorandum of Understanding is signed with TechApps Consulting Chennai for **Advanced Bentley Infrastructure Software Training and Maintenance Program** on 23rd November 2022.



**Industry Institute Interaction Meeting** was held on 15th November along with the following industrial experts. Discussion was held on Curriculum R2022, Industrial training, Industrial visit and Students Projects at industries.

**Er.T.Kandasamy**, Deputy Director(Traffic Laboratory), Highway Research Station, Chennai, **Er.S.G.Ashok Kumar**, CEO & Founder – CMTI, Bengaluru and Advisory Member – IGBC Green Education, **Mr.A.Soundarajan**, Head – Engineering Division, Eversendai Construction Private Limited, **Mr.M.Ravikumar**, Senior Deputy General Manager, Design Head – Bullet Train Project, Larsen & Toubro-Heavy Civil Infrastructure, **Ms. J. Devikamalam** Manager-Contracts, Water & Wastewater Strategic Business group Larsen & Toubro Construction.

# INDUSTRIAL VISITS

Final year students visited **Auroville Earth Institute** and **Centre for Scientific Research Auroville** on 15th November 2022. The visit was organised and coordinated by Mr. G. Arun AP/Civil Engineering.



# INDUSTRIAL VISITS

Students of Final Year and Third Year Civil Engineering visited the **disposable formwork construction work at 'NDR safe store'** Oragadam. This event was organized by Dr.R.Kumutha, HoD/Civil Engineering in association with **ICI Chennai Centre** and coordinated by Mr. G. Arun, AP/Civil Engineering.





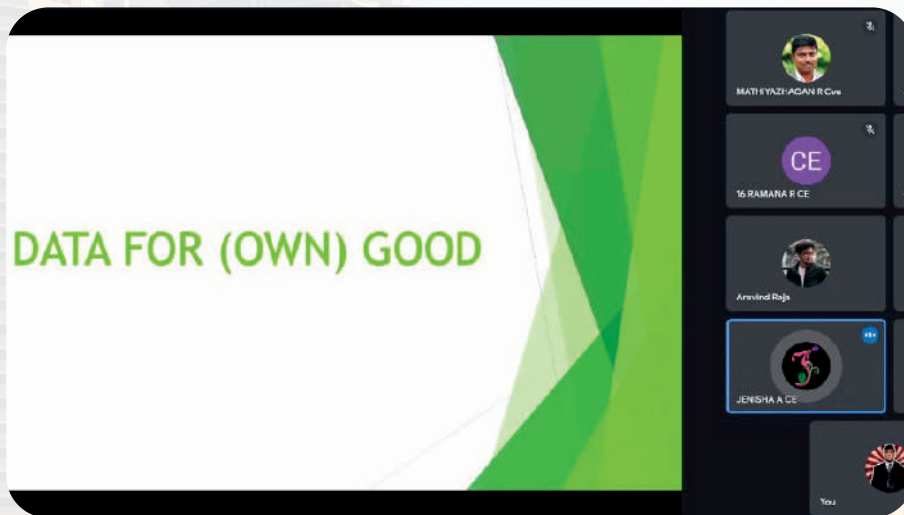
# PROGRAMS ORGANISED

**Mr. P. Pavithran**, BIM Expert, Petricore Technologies Engineering Services Private Limited, Chennai delivered a Guest Lecture on “**Building Information Modeling**” for Civil Engineering students on 01.11.2022 (Tuesday) at 10.00 am. This program is organized by Dr.R.Kumutha, HoD/Civil Engineering and coordinated by Mr. A. Vijay Vignesh, AP/Civil Engineering.



# PROGRAMS ORGANISED

**Mr. Aravind Raja M B** , Data Engineer, Latentview Analytics, Chennai (Alumna of 2014-18 Batch) delivered an online lecture on " **Data for Good** " On 5.11.2022 at 1.30 pm. This program is coordinated by Mr.R.Mathiyazhagan, AP/Civil Engineering.



**Mr. V. Sai Prasad**, Associate Proposals Manager, NKT Operations India Pvt. Ltd, Chennai. **delivered the partial content** for the course CE18702 – Estimation Costing and Valuation Engineering for final year students from 04th November to 19th November 2022.



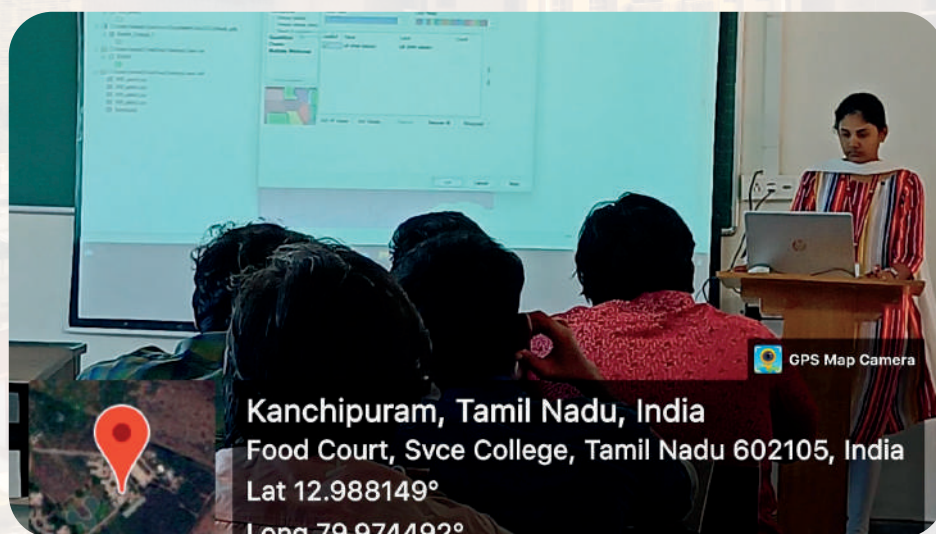
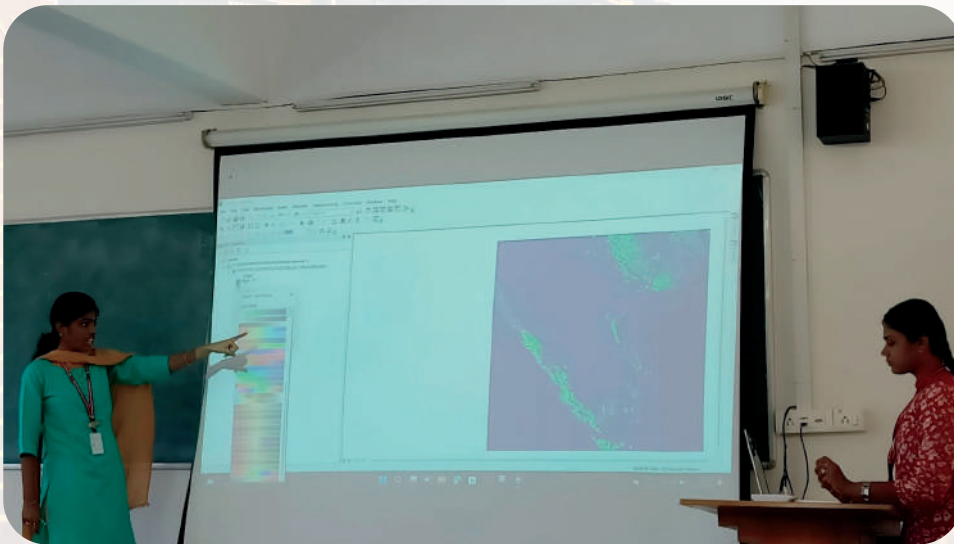
# PROGRAMS ORGANISED

Civil Engineering Association (CEA) , Department of Civil Engineering had organized a guest lecture on "**Pencil to Pixel: Application of Geo Spatial Technology in Civil Engineering**" on 3rd November 2022. **Mr.Puneeth S** ,GIS Analyst,EDS Technologies Pvt. Ltd., Bangalore had delivered the guest lecture. This program was coordinated by Mr.R.Kalaivannan, AP/Civil and Mr.S.Hariswaran, AP/Civil.



# PROGRAMS ORGANISED

**Ms. M. Jenani and Ms. R. Hemalatha** Final year Civil Engineering students delivered a **Professional Talk** on "Land Use & Land Cover and Hydrological Soil Group using GIS" for the students undergoing an Open elective course on "**Fundamentals of Remote Sensing and GIS**" on 8th and 9th November 2022. This event was organised by Ms. Ruby Freya, AP/Civil Engineering.



# PROGRAMS ORGANISED

**Mr. D. Laleeth Kumar** final year civil engineering student delivered a organised a **Professional Talk** on "**SketchUp Software**" by for the Second year Civil students on 8th November 2022. This event was organised by Ms. Ruby Freya,AP/Civil Engineering.



Mr. G. Arun coordinated IQAC seminar on "**NAAC - Revised Assessment and Accreditation Framework**" organized by Internal Quality Assurance Cell (IQAC), Sri Venkateswara College of Engineering, Sriperumbudur on 24.11.2022 and 25.11.2022.

# PROGRAMS ATTENDED

Mr. A. Vijay Vignesh, AP/Civil participated in **“NAAC - Revised Assessment and Accreditation Framework”** organized by Internal Quality Assurance Cell (IQAC), Sri Venkateswara College of Engineering, Sriperumbudur on 24.11.2022 and 25.11.2022.

Dr.P.Venkateswara Rao, Professor/Civil participated in **“NAAC - Revised Assessment and Accreditation Framework”** organized by Internal Quality Assurance Cell (IQAC), Sri Venkateswara College of Engineering, Sriperumbudur on 24.11.2022 and 25.11.2022.

Dr.P.Venkateswara Rao, Professor/Civil participated in **“Two-day workshop on EAT, TSA, CNA & SNA in PFMS E-Governance”** conducted by Sri Venkateswara College of Engineering, Sriperumbudur on 31.10.2022 and 01.11.2022.

Mr. G. Arun, AP/Civil successfully completed Coursera online course on **‘Introduction to Household Water Treatment and Safe Storage’** conducted by EPFL on 27th November 2022.

# STUDENTS ACTIVITIES

Ms. Harini A, II Year student received a **scholarship** amount Rs.25,000/- sponsored by the Alumni "**SVCE 1985-89 Batch Trust**" on 16.11.2022.



**Ms. M. Jenani** gave awareness about **Aavin Parlour** to the first year students during the **Student Induction Program** on 7th November 2022.

# STUDENTS ACTIVITIES

Mr. B. B Ramanan, Mr. Guru Prakash K, Ms. R. Hemalatha, Mr. V. Hariharan and Ms. VivedithaVarshini A G, final year students, participated in the **Blood Donation Camp** conducted by Y R C on 17th November

Ms. K. Kavinmalar, Ms. R. Hemalatha and Mr.Gowtham S, final year students, attended the awareness talk on the topic "**Blood donation is a real act of Humanity**" through Online Mode on 10.11.2022, delivered by Dr. K.S. Gokilaveni, M.B.B.S., M.D., Assistant Surgeon, Government Headquarters Hospital, Kancheepuram

MrA.Vignesh, final year student, completed CMTI course on **Project Planning Using MSP** on 20 November 2022.

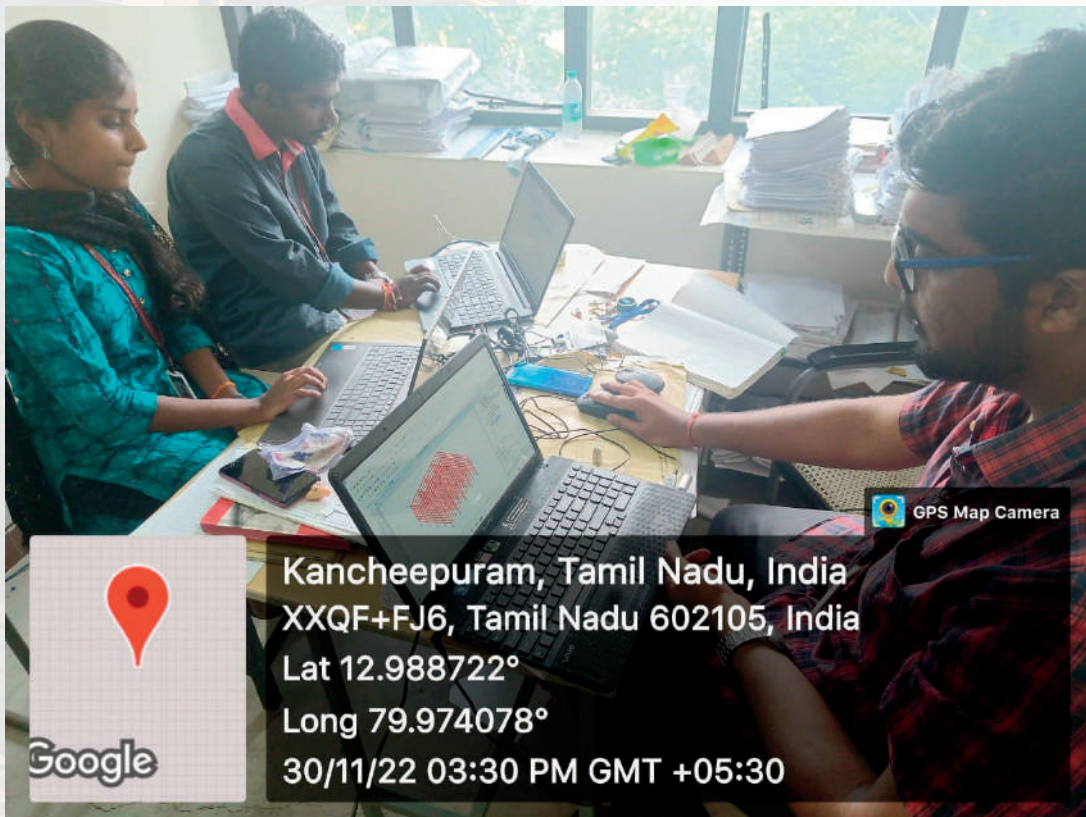
Ms. VivedithaVarshini A. G. gave **awareness** about **Music Club** to the first year students during the Students Induction Program.

Jai Siddarth A, R.J.Ramanhujam and Yugheswaran R B (First Year Students) had participated in the Workshop on "**3Ds Max**" organised by CADD Prime Centre on 28.11.2022.



# STUDENTS ACTIVITIES

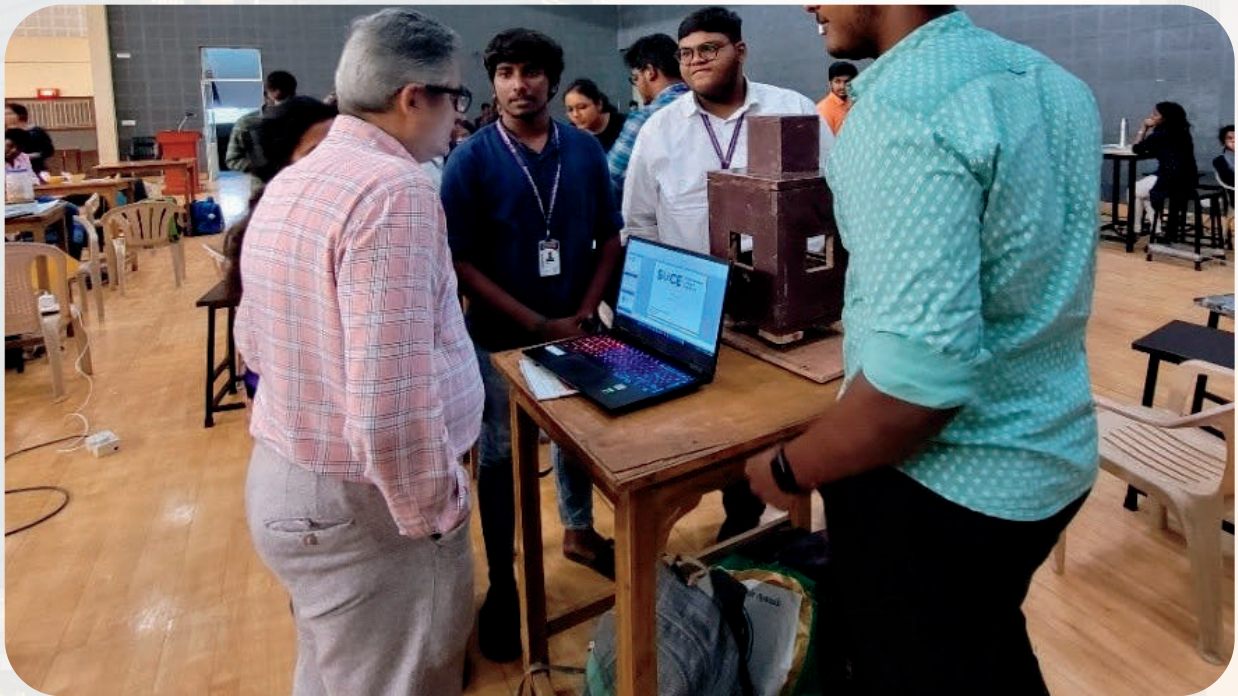
Mr. D. Laleeth Kumar, Mr. Hariharan and Ms. G. Harshavarthani (Final year students) and Santhosh Kumar N.M (Third year student) participated in the **TechApps Smart Student Hackathon on STAAD Pro CE - Bentley Education** 30th November 2022.



Lomina.Rand Kaviya.R Second year student participated in the **iCube** -A National Level Technical Event, phase-II presentation and presented on "**Atmospheric Water Harvesting System**" on held during 17.11.2022 & 18.11.2022.

# STUDENTS ACTIVITIES

K.N.MohammadSalmaan Shariff, Chandravasan P. and Prem Kumar S, third year students participated in the **iCube** -A National Level Technical Event, phase-II presentation and presented on **“Prevention of high magnitude seismic waves to the superstructure through earthquake resistant substructure”** held during 17.11.2022 & 18.11.2022.



D.Laleeth Kumar, Jenisha A. Harshavarthani G, final year students participated in the iCube -A National Level Technical Event, phase-II presentation and presented on **“Study on Textile Reinforced Corrugated Geopolymer Roof Panel”** held during 17.11.2022 & 18.11.2022

# STUDENTS ACTIVITIES

Santhosh Kumar N. M. Jayasurya J. Syed Afrideen M. and Dhanushkannan L, third year students participated in the iCube -A National Level Technical Event, phase-II presentation and presented on "**Fine Aggregate from Digged Soil: An Alternative of M Sand for construction**" held during 17.11.2022 & 18.11.2022.



**Ms. M. Jenani** coordinated second edition of **iCube** – A National Level Technical event held on 17th and 18th November 2022.

# STUDENTS ACTIVITIES

**Mr. Balasubramanian** (III year Civil Engineering) & his team won the **Runners up position** in the Anna University zonal Badminton tournament organized in our campus on 18th November 2022.



**Mr. T. Lalith Kumar**, final year student, won **2nd prize** in 5000 m Running at **Athletics Zonals** held at Saveetha Engineering College on 31st November 2022.



# STUDENTS ACTIVITIES

**Mr. A V. Gopinath**, final year student & his team **won runners** in **Zonal hockey** held at Major Radhakrishnan stadium on 27th November 2022.



**Ms. VivedithaVarshini A. G** was a part of the **Musical event** during **Calibrations** on 14th and 15th November.



## 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.



