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TechZine

Department of Civil Engineering



**JYOTHY INSTITUTE OF
TECHNOLOGY**

Affiliated to
**Visveswaraya Technological University,
Belagavi**





TechZine

Department Of Civil Engineering

Jyothy Institute of Technology

VISION OF INSTITUTION

To be an Institution of excellence in engineering education, innovation and research and towards evolving leaders for country's future work great the and meeting global needs.

MISSION OF INSTITUTION

The Institution aims at providing a vibrant, intellectually and emotionally rich teaching learning environment with the State of the Art Infrastructure and recognizing and nurturing the potential of each individual to evolve into ones own self and contribute to the welfare.

VISION OF DEPARTMENT

To be a global center of excellence in imparting quality education in all the frontiers of civil engineering for the development of the society

• MISSION OF DEPARTMENT

- **M1:** To educate the students in the field of Civil Engineering by adopting best teaching learning process with state of the art facilities and infrastructure.
- **M2:** To encourage the students to contribute to the development of the society by pursuing a promising career in the industry by making them employable with the necessary soft skills and leadership qualities.
- **M3:** To encourage the students to pursue higher studies and carryout research and development in various fields of Civil Engineering.

ABOUT THE DEPARTMENT

Civil Engineering is a diversified and one of the oldest branches of Engineering that encompasses study in fields of Structural engineering, Geo technical Engineering, Environmental Engineering, Construction Engineering and Management & various other specialized areas. The Civil Engineering mainly involves Planning, Analysis & Design of different infrastructure projects & implementation through sustainable approach on a turnkey basis. The Departmental facilities of the college include state of art laboratories that also encapsulates Structural & Geo spatial software's in CAD lab and sophisticated state of art equipment required for conceptualization. The facilities also include advanced teaching techniques for undergraduate students in the smart classrooms. The objectives of the course call for effective teaching by experienced faculties through use of different pedagogical facilities thereby creating vibrant learning ambience and this is exacerbated through webinars, 'guest lectures, workshops etc. Our faculties are associated with R&D and consultancy works for improvement of quality teaching that makes the Department one of the most sort of Department in entire Bangalore. The faculty members contribute to academic development by publishing books and presenting papers in International Conference, National conferences and journals.

HOD MESSAGE

The Department of Civil Engineering has a well-defined plan to coordinate and implement various academic, extra-curricular and co-curricular activities carried out for overall growth of the Department. The faculty members constantly interact with various experts from academics and industry to evolve and organize the different events of the Department with an objective of bridging the academic and industry gap. The target plan of the Department envisages activities that involve conduct of industry-oriented workshops, industrial visits, guest lectures, software training, student participation in various paper presentation competitions and other student technical events. These activities are keeping in tune with the Departmental vision of attaining Engineering excellence in all frontiers of Civil Engineering. This is expected to be achieved through well planned and coordinated efforts of the teaching and non-teaching staff, who are credible and committed to the core for meeting the envisioned departmental standards.

EXPERT LECTURE ON SMART WATER SUPPLY

An expert lecture on “SMART WATER SUPPLY” by Sri C Jagadeesha, ISRO was organized by Department of Civil Engineering, Jyothy Institute of Technology in association with Indian Concrete Institute on 7th January 2022.

The expert lecture highlighted the key issues of water supply systems such as

- Economics of Drinking Water Supply Networks
- Resource Use and Environment (Society)
- Citizen Engagement in WSN
- IT/ICT/IOT/ CC/BC / Mobile What's App - As ENABLERS of Smart Water Supply Grids (both in Rural and Urban Clusters)



TECHNICAL TALK ON COMPOSITES FOR CIVIL ENGINEERING

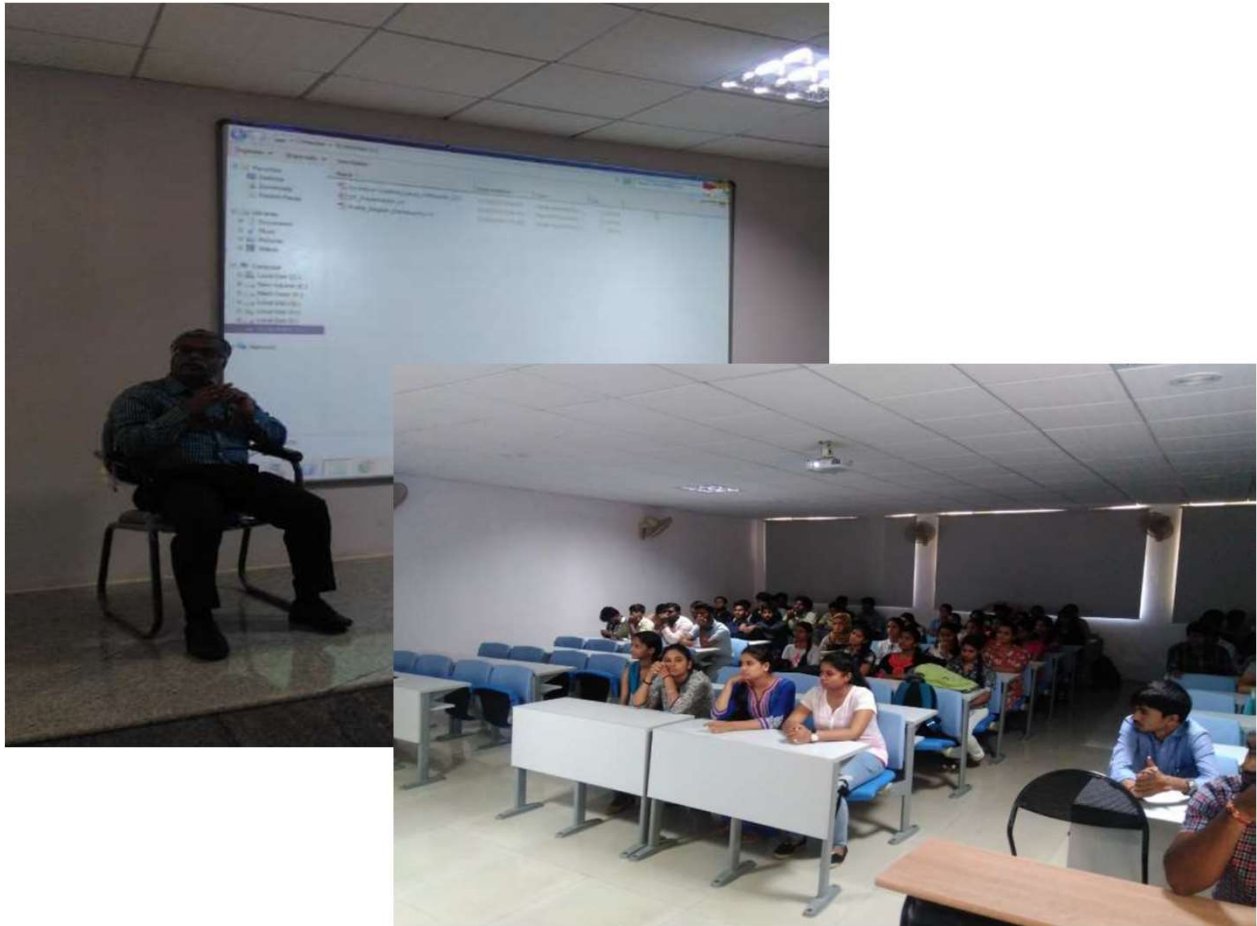
A technical talk on “Composites for Civil Engineering” was conducted at Jyothy Institute of Technology in association with the Indian Concrete Institute - KBC on 04th February 2022. The talk was presented by Dr. Narendra Reddy, Professor and Ramalingaswami Fellow, Centre for Incubation, Innovation, Research and Consultancy, JIT Bengaluru. Dr Reddy first spoke about the importance of composite materials and its wide range of scope in various applications. He then spoke about its applications in civil engineering domain. The probable outcome that the students were expected to achieve by this talk was to appreciate the importance of composite materials in civil engineering.



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TECHNICAL TALK ON PRACTICAL ISSUES IN CONSTRUCTION ENGINEERING-10/3/2022

A technical talk on Practical Issues in Construction Engineering was organized by the Department of Civil Engineering, Jyothy Institute of technology in association with ICI Bengaluru Chapter on 10th March 2022.



The speaker discussed various aspects of practical issues in construction of various types like residential, commercial, highway etc.

LOCAL SITE VISIT TO UNDERSTAND PRACTICAL ISSUES IN CONSTRUCTION ENGINEERING-10/3/2022

Quality Analysis and practical aspects of constructional engineering was demonstrated to the students.



Site Visit to nearby ongoing residential construction was planned and the students benefitted from understanding of practical aspects at construction site.