Chief Patron:

Sri. N. Subash, President

Patron:

Prof. C. V. Narasimhulu , Principal

Chairman:

Prof. K. Jagannadha Rao , HoD

Convener:

Prof. C. Ravi Kumar Reddy

Coordinators:

Dr. R. Durga Prasad, Assoc. Prof.
Dr. Kakara Srikanth, Asst. Prof.
Dr. G. Mallikarjuna Rao, Asst. Prof.

Co-Coordinators:

Dr. T. Chaitanya Srikrishna, Asst. Prof.
Dr. B. Raghava Aditya, Asst. Prof.

Organising Committee:

All the faculty of Civil Engineering Department

About the Institute and Department

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, established in 1979, is esteemed as the Premier Engineering Institute in the States of Telangana and Andhra Pradesh. It was promoted by a Group of Visionaries from varied Professions of Engineering, Medicine, Legal, and Management to facilitate the Best Engineering and Management Education for the Students and contribute to meeting the needs for Skilled and Technically conversant Engineers and Management Professionals for the Country that embarked on an Economic Growth Plan.

The **Department of Civil Engineering** was established in 1979. The department at CBIT has to shoulder a major responsibility – that of producing the most gifted builders of tomorrow. And in this department, we take this responsibility very seriously. Officially recognized by Osmania University as a research center, the Civil Engineering department has been at the forefront of cutting-edge research in this field. This department's numerous accolades and scholarship grants stand testimony to its deeply ingrained brilliance.

Address for Communication

Dr. C. Ravi Kumar Reddy

E-Mail: ravikumarreddyc_civil@cbit.ac.in

Mobile No.: +91-7989636449

One Week
Faculty Development Program
in
Hybrid Mode
on

Advanced Technologies and Innovations for Automation in Infrastructure Engineering

15/07/2024 - 20/07/2024

Organized by

Department of Civil Engineering

Chaitanya Bharathi Institute of Technology, Hyderabad

Course Objectives

- To Equip Civil Engineering faculty with advanced knowledge and skills in cutting-edge technologies such as Artificial Intelligence (AI), Machine Learning (ML), and computer vision, which are increasingly relevant in modern civil engineering practices.
- Provide hands-on training and practical applications of these technologies in various Civil Engineering domains, including infrastructure assessment, maintenance, and management.
- Foster the adoption and integration of AI and ML into the Civil Engineering curriculum, enabling faculty to design and deliver contemporary and forward-thinking courses.

Course Content

- Adoption of AI & ML in the Civil Engineering Curriculum.
- Image analysis-based deterioration assessment of concrete.
- Risk and reliability analysis.
- Seismic hazard and landslide hazard zonation.
- Climate Data processing.
- Advances in road safety.
- Advanced data collection and data analysis methods.
- Hands-on Training using ML techniques in Google-Colab.

Resources Persons

Resource persons are faculty from IITs, NITs, Universities, in-house, and other reputed experts from the industry.

Event Details

The events of the FDP include:

- Inaugural Ceremony (offline)
- 12 Technical sessions
- Hands-on training
- Q & A with experts
- Quiz Test and Valedictory Ceremony
- The coordinator will conduct An online test at the program's end.

Important Guidelines

- Faculty members of the AICTE-approved institutions, Research scholars, PG Scholars, participants from the Government, Industry (Bureaucrats/ Technicians, Participants from Industry, etc.), and staff of host institutions.
- **Registration fee of Rs. 250/-** for Faculty, Research Scholars & PG Students.
- **Registration fee of Rs. 500/-** for industry participants.
- There is no registration fee for the participants from CBIT and MGIT.
- Seats are limited, and the participants are selected by organizers on a first-come, first-serve basis.
- **Last date of registration: 12/07/2024.**

Registration

Participants can register for the FDP using the following link or QR-Code:

Link for Registration

https://forms.gle/MXx4YpGUu5WdZ6Rx7

QR - Code for Registration

UPI Payment QR-Code

Contact for Registration and Other Details

Dr. Kakara Srikanth

Email: srikanthkakara_civil@cbit.ac.in

Mobile No.: +91-9949590990

Dr. G. Mallikarjuna Rao

Email: mallikarjunarao_civil@cbit.ac.in

Mobile No.: +91-9963740850