WHO CAN ATTEND

Students (UG & PG)

Faculty Members

Research Scholars, Consultants and Industry Professionals

VENUE

UG Computer Lab, CBIT (A), Gandipet, Hyderabad, 500075

ORGANISING COMMITTEE

Patron

Prof. C. V. Narsimhulu
Principal

Chairman

Dr. K. Jagannadha Rao
Professor & Head
Department of Civil Engineering, CBIT (A)

Convenors

Dr. Jnana Ranjan Khuntia
Assistant Professor, CED

Sri T. Vasudeva Rao
Assistant Professor, CED

Sri M. Kalyan
Assistant Professor, CED

REGISTRATION LINK / QR CODE

https://forms.gle/n13fRzFZAKbCBHx76

REGISTRATION

Rs. 100/- per participant

CONTACT

M. Kalyan, Email: kalyan_civil@cbit.ac.in, Phone: 9030144407

STUDENT CONTACTS

Indu: 9177332480, Akhila: 7672012551, Naveen: 6303203824

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
An Autonomous Institute | Affiliated to Osmania University
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbit.ac.in

COMMITTED TO RESEARCH, INNOVATION AND EDUCATION
47 years

One Day National Level Workshop

Under the banner of

Civil Engineering Association (CEA)

On

TEKLA STRUCTURES
3D MODELING AND DETAILING SOFTWARE

18th February 2026

Organized by

DEPARTMENT OF CIVIL ENGINEERING
Chaitanya Bharathi Institute of Technology
(Autonomous)

SDGs:

ABOUT COLLEGE

Chaitanya Bharathi Institute of Technology (CBIT), established in 1979, is a premier engineering institute in Telangana and Andhra Pradesh. Nestled by Gandipet Lake, Hyderabad, it has become a sought-after destination for students and a valuable source of well-rounded engineers for corporates. Over 44 years, CBIT has established its identity through best academic practices and quality education in the Telugu-speaking states. The institute's idyllic campus spans 50 acres, featuring state-of-the-art laboratories, a spacious library, and facilities for sports and hostels. With a total built-up area of 57,714 m^2, CBIT fosters an environment for holistic development and academic pursuit. The institute's relentless pursuit of academic excellence has propelled its recognition nationally and internationally, with notable achievements in industry and global collaborations.

ABOUT THE DEPARTMENT

The Civil Engineering Department at Chaitanya Bharathi Institute of Technology (CBIT) has been operational since the institute's establishment in 1979, boasting a qualified faculty and dedicated supporting staff. Students actively engage in both academics and numerous co-curricular and extra-curricular activities. The department's well-equipped laboratories feature advanced instruments to meet both student training and research needs. Offering a UG program with two sections and a PG program in Structural Engineering, the department is committed to staying abreast of the latest developments in civil engineering through seminars, workshops, expert lectures, and industrial visits. Additionally, it provides consultancy services for various government and private agencies, and successfully completed several prestigious projects.

OBJECTIVES OF THE WORKSHOP

1. Creating awareness on applications and future scope of tekla structures as a BIM tool
2. Creating 3D Model of a structure
3. Generating highly detailed fabrication and erection drawings with accurate BOQ

TOPICS TO BE COVERED IN THE WORKSHOP

1. Applications of software
2. User Interface
3. Modeling Columns
4. Modeling Beams
5. Modeling Base plate connection
6. Modeling shear and moment connections
7. Creating Fabrication Drawings
8. Creating Erection Drawings
9. Generating BOQ

OUTCOMES OF THE WORKSHOP

1. Gain awareness of the applications and future scope of Tekla Structures as a BIM tool in the construction industry.
2. Develop the ability to create accurate 3D structural models using Tekla Structures.
3. Acquire skills to generate detailed fabrication and erection drawings along with accurate BOQ for construction projects.

ABOUT THE SPEAKER

Mr. Syed Jawwad Ahmed

The speaker is a Structural Engineer with over 10 years of professional experience in designing, 3D modeling, and detailing steel structures, handling projects ranging from 2 to 600 tonnes. Certified Modeler and Detailer in Tekla Structures with strong expertise in BIM-based steel detailing and fabrication drawings. Brings practical industry insights and hands-on project experience to deliver efficient, accurate, and constructible steel solutions.

TEKLA STRUCTURES – 3D MODELING AND DETAILING SOFTWARE

Tekla Structures is a powerful BIM software widely used for structural steel and concrete modeling. It enables precise 3D modeling of complex structures with detailed components like bolts, welds, plates, and rebar. The software generates fabrication-ready drawings, assembly details, and CNC data directly from the model.It supports seamless collaboration by integrating with other BIM tools and facilitating data sharing. With built-in information management and reporting features, it enhances coordination, estimation, and clash detection.