

### Chief Patron

**Sri. N. Subash**, *President, CBIT*

### Patron

**Dr. C. V. Narasimhulu**, *Principal, CBIT*

### Advisors

**Prof. P.V.R. Ravindra Reddy**, *Vice Principal Admin*

**Prof. K. Krishnaveni**, *Vice Principal-Academics*

**Prof. P. Ravinder Reddy**, *Director-Head R&E*

**Prof. N. V. Koteswara Rao**, *Director-IQAC*

**Prof. Suresh Pabboju**, *Director- AEC & CoE*

**Prof. P. Prabhaker Reddy**, *Director-Academics*

**Prof. B. Linga Reddy**, *Director - SA & P*

**Prof. D. Krishna Reddy**, *Director - R & D*

**Prof. U.K Chaudhury**, *Director - I & I*

**Dr. N.L.N. Reddy**, *Advisor - CDC*

### Convenor

**Dr. G. Laxmaiah**, *HEAD, Dept., Mech., Engg*

### Coordinator(s)

**Dr.Ch. Indira Priyadarsini**, *Asst. Prof., MED*

**Prof. P.V.R. Ravindra Reddy**, *Professor, MED*  
**Co-coordinators**

**Dr. P. Anjani Devi**, *Asst. Prof., MED*

**Dr. Md. Aleem Pasha**, *Associate Prof., MED*

**Dr. K. Gurubrahmam**, *Asst. Prof., MED*

**Ms. D. Sushma**, *Asst. Prof., EEE*

**Mr. D. Harsha**, *Asst. Prof., EEE*

### Student Coordinators

**Prem Uttej Dasoju**

**Hardik Sarda**

**Vishnu Vardhan Sriramadas**

### About the Institute

CBIT is one of the premier Engineering Colleges in the state of Telangana located in the serene surroundings of Gandipet Lake. Over the past 46 years this institute has become a temple of knowledge and produced about 22,000 eminent and skillful graduate and postgraduate engineers, serving all over the world. Various programs of the college were accredited five times by NBA (AICTE) and the institute is also accredited (A++) by NAAC - UGC. UGC has granted autonomous status from the academic year 2013-2014 and renewed in 2019-2020. The total constructed area is about 6.257 lakhs sq. ft, Worth about Rs. 55.00 crores spread over 50.32 acres. The grants received from AICTE/UGC/DST are worth about Rs. 10 crores. The college offers Nine UG and Eleven PG courses. The institute has signed MOUs with various esteemed organizations.

### About Mechanical Engineering Department

The Department of Mechanical Engineering is one of the largest departments in the Institute and was established in 1979. The department emphasizes technological innovation, providing students with access to 18 well-equipped labs spanning 3,300 square meters, including a state-of-the-art 3D Innovation Hexagon Lab. It has one UG & one PG Programs with 45 eminent faculty, fetched 26 sponsored projects worth of Rs. 279 lakhs from various industries. Has eminent student clubs- SAE, ASME, ASTRA, ROBOTICS under which various activities has been conducted, participated & won in various national and international prizes in events: FSAE-UK & Italy, FORMULA GREEN CONCEPT CHALLENGE, SUPRA.



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

Approved by: Affiliated to: UGC Autonomous: All Programs Accredited: Status A++ is: All India Ranking (11-200 Band)

COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION

**46**  
years

### *Eight-Day International Workshop*

### *On “Emerging Trends in Automotive Engineering & Electric Mobility”*

**9<sup>th</sup> to 31<sup>st</sup> August, 2025**



**Organized by**

**Praheti Racing SAE CBIT**



**Department of Mechanical Engineering**

### About Workshop

The Eight Day International Workshop, organized by **Praheti Racing SAE CBIT**, brings industry-level insights into the evolving field of **Automotive Engineering and Electric Mobility**. Delivered by **Mr. Sreekanth Reddy Chalapala**, a global expert from **Ford Motors, Michigan**, the series bridges academic learning with real-world applications in EVs, ADAS, powertrains, and more.

### Learning Outcomes

- Understand modern vehicle architecture and powertrain systems
- Gain insights into Electric Vehicles (EVs) and battery technologies
- Explore autonomous driving and ADAS systems
- Learn about automotive electronics and industry trends
- Discover career paths in the global automotive sector

### Event Features

- 8 insightful sessions by an industry expert from Ford Motors
- Interactive Q&A and real-world case studies
- Assignments & final group project for applied learning
- Participation certificates for all attendees
- Open to Mechanical, EEE, and ECE students

### About the Resource Person



**Mr. Sreekanth Reddy Chalapala**  
Vehicle Control  
System Software  
Architect, Ford  
Motors, Michigan,  
USA is an  
accomplished  
automotive expert  
with over 10 years of  
experience in Electric  
Vehicles, Powertrain  
Systems, Battery  
Management, and

Advanced Driver-Assistance Systems (ADAS). Currently working with **Ford Motors, Michigan**, he has previously contributed to major global automotive brands including **BMW, Hitachi, GKN, Infineon, and TRW**. His strong technical foundation spans across AutoSAR, Embedded Systems, and Functional Safety (ISO 26262). He is passionate about mentoring and guiding the next generation of engineers through his real-world experience and deep industry knowledge.

### About Praheti Racing

Praheti Racing is an independent student organization at Chaitanya Bharathi Institute of Technology (CBIT), comprising 40 students from diverse engineering disciplines, all driven by a shared passion for motorsport and innovation. Established in 2012, the team has been at the forefront of developing cutting-edge automotive technologies in India. Competing in the prestigious Formula SAE events, Praheti Racing takes on the challenge of designing, fabricating, and testing formula-style prototype race cars. These competitions assess the team's capability in delivering high-performance vehicles through dynamic and static events, evaluating factors such as car design, manufacturing quality, driver skill, and business acumen. With a commitment to engineering excellence and entrepreneurial strategy, the team competes with leading universities worldwide, continuously pushing the boundaries of student motorsport and automotive engineering.

### Registration Details:

**Registration Deadline:** 8th August 2025

**Register here:**

<https://forms.gle/Kuo2FJk6kqKLJnEL9>



**Mode:** Online

### For Details Contact:

Hardik Sarda,  
Captain, Praheti Racing SAE CBIT  
Contact No: 8807075858,  
Email Id: [hardiksarda5@gmail.com](mailto:hardiksarda5@gmail.com)

Prem Uttej Dasoju,  
Vice-Captain, Praheti Racing SAE CBIT  
Contact No: 9963699942,  
Email Id: [premuttej@gmail.com](mailto:premuttej@gmail.com)

**Mode of sessions:** Online

**Dates:** 9<sup>th</sup>, 10<sup>th</sup>, 16<sup>th</sup>, 17<sup>th</sup>, 23<sup>rd</sup>, 24<sup>th</sup>, 30<sup>th</sup>  
and 31<sup>st</sup> August

**Timings:** 09:30 AM to 11:30 AM