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Sri. N. Subash, *President, CBIT*

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

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Prof. P. Ravinder Reddy, *Director & Head R&E*
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Prof. D. Krishna Reddy, *Director - R & D*
Prof. U.K Chaudhury, *Director - I & I*
Dr. N.L.N. Reddy, *Advisor - CDC*

Convenor

Dr. R.P. Chowdary, *HEAD, Dept., Mech., Engg.*
Prof. Y Ramadevi, *HEAD, AIML Dept.*

Coordinators

Prof. G Laxmaiah, *Professor, MED*
Dr.Ch. Indira Priyadarsini, *Asst. Prof., MED*
Prof. P.V.R. Ravindra Reddy, *Professor, MED*

Co-coordinators

Dr. Md. Aleem Pasha, *Associate Prof., MED*
Dr. A. Chandrakanth, *Asst. Prof., MED*
Mr. K. Gurubrahmam, *Asst. Prof., MED*
Ms. D. Sushma, *Asst. Prof., EEE*
Mr. D. Harsha, *Asst. Prof., EEE*

Student Coordinators

Abhishek Madishetti, Akash Koti, Aman Reddy -
MED
Harsh Galba, Ujwal Kanugovi, Bhawdeep Niha -
CSM

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

About AIML Engineering Department

The Department of Artificial Intelligence and Machine Learning (AI&ML) designed to provide a strong foundation in various facets of Artificial Intelligence, The department aims to produce professionals proficient in AI and Machine Learning through rigorous training, fostering creativity, leadership, and social responsibility. The program is best suited for students seeking to build world-class expertise in AI and Machine Learning, preparing them for careers in emerging technological fields.



**CHAITANYA BHARATHI
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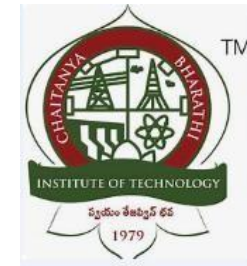
COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

46
years

Five-Day workshop

On
“TechfusionX EV Saksham”

20th to 24th February, 2025



Organized by

Praheti Racing SAE - CBIT



Department of Mechanical Engineering

&
Artificial Intelligence and Machine learning

In association with

Capabl.
From Elite Techno Groups

About EV Saksham

EV Saksham is a specialized program under Capabl's TechfusionX initiative, focusing on equipping students with practical skills in electric vehicle (EV) technology. The program begins with online sessions covering essential topics such as battery calculations and vehicle dynamics. This theoretical foundation is followed by a four-day hands-on workshop where participants engage in the fabrication, assembly, and testing of a functional electric vehicle. Guided by industry experts, students gain valuable experience that bridges academic learning with real-world applications, preparing them for future careers in the evolving field of electric transportation.

Learning Outcomes

Enhanced Technical Skills: Hands-on experience in coding, AI, ML, and DS.

Innovation & Creativity: Develop web apps, generative AI models, and EV solutions.

Collaboration & Networking: Build teamwork, leadership, and industry connections.

Problem-Solving: Tackle real-world challenges with critical thinking.

Practical Experience: Work with emerging tech like AI, ML, web dev, and EVs.

Industry Insights: Stay updated on trends in AI, DS, and sustainability.

Sustainability Focus: Innovate in EV tech to promote green solutions.

Features of EV Saksham

- **Comprehensive Curriculum**
- **Hands-On Learning**
- **Expert Guidance**
- **Collaborative Environment**
- **Certification**
- **Networking Opportunities**
- **Resource Access**

About the Resource Person



Mr. Rahul Ranjan is a seasoned Research Engineer with over a decade of expertise in the EV industry. He is currently pursuing a PhD in Fuel Cell at IIT Dhanbad and has worked with Tata Motors on Electra BMS management for Rajasthan.

He has held key roles, including Project Manager for Hero Bikes, Technical Manager for ITC Hotel's EV fleet, and EV Fleet Technical Advisor for HG Infra.



Mr. Reigen K P has 8+ years of experience in design, manufacturing, EVs, and automation. He has worked as an EV engineer, manufacturing manager, quality supervisor, and lecturer. His expertise includes EV part and body design, motor prototyping and testing, automated assembly lines, PLC-based solar systems, solar systems, and

CNC programming. He has contributed to projects for CDAC Trivandrum, NIT Patna, Micelio Mobility, and Indian Railways.



Mr. Baggio A F, with over 7 years of experience in manufacturing, EVs, and the automotive industry, this accomplished expert has contributed to fuel-cell research at AMK Industry and defense vehicle projects for the Indian Army. As a Director at AMZ Automotive, they lead

strategic initiatives, while also engaging in motorsports as a Race Stewart at MES India. Additionally, they founded Redeem Tissues, specializing in tissue paper and hygiene products.

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.

About Capabl

Capabl, formerly Elite Techno Groups, is an Indian EdTech firm bridging academia and industry in engineering since 2014. Headquartered in Jaipur, it has trained 100,000+ students across 800+ colleges, including IITs and NITs, with a 90%+ placement rate. Offering courses in EVs, data science, robotics, and automation, Capabl is recognized by the Indian government, represented India at Dubai Expo 2020, and won the All-India EdTech Challenge. It is the only Indian EdTech with an MoU with SAEINDIA and exclusive certifications from Ansys, Altair, and Siemens. Backed by BYJU'S, Of Business, and UIIncept, it is led by IITians, Stanford graduates, and 100+ experts.

WHO CAN ATTEND: All the Registered Students of this event

FOR DETAILS CONTACT

Abhishek Madishetti,
Captain, Praheti Racing SAE - CBIT
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Akash Koti,
Vice-Captain, Praheti Racing SAE - CBIT
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Mode of sessions: Offline
Timings: 09:00 AM to 04:00PM