

ABOUT CBIT

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, established in the Year 1979, esteemed as the Premier Engineering Institute in the States of Telangana and Andhra Pradesh, was promoted by a Group of Visionaries from varied Professions of Engineering, Medical, Legal and Management, with an Objective to facilitate the Best Engineering and Management Education to the Students and contribute towards meeting the need of Skilled and Technically conversant Engineers and Management Professionals, for the Country that embarked on an Economic Growth Plan. The college offers 11 UG and 10 PG Programmes. The Institute has become Autonomous under UGC w.e.f. 2013-14. UG Programmes are accredited by NBA in the year 1998, 2004, 2008, 2013, 2017, 2022, 2024 and Five PG Programmes have been accredited by NBA in 2020. The Institute is accredited by NAAC with CGPA of 3.59 on a four point scale at 'A++' grade in 2023 for five years. CBIT is ranked in the rank band 150-200 in Engineering Category under National Institutional Ranking Framework (NIRF), Govt. of India, MHRD. The College Campus is spread across 50 acres.

ABOUT IT Department

The Department of Information Technology started the BE (IT) program in the academic year 2000-01 with an intake of 60 students. The intake increased to 120 from the academic year 2015-16, and further to 180 from 2018-19. The department has also been offering a PG program, M.Tech with specialization in Artificial Intelligence and Robotics, starting from the academic year 2024-25. The undergraduate program has been accredited five times by the National Board of Accreditation (NBA) in 2008, 2012, 2017, 2022, and 2024. The department is well-equipped with state-of-the-art labs and classrooms to facilitate effective teaching and learning in alignment with NEP-2020. The department has well-experienced and qualified faculty members, with 70% holding doctorates, and continues to conduct quality research in areas such as Deep Learning, NLP, Computer Vision, Cyber Security and IoT, Drones, High Performance Computing, Quantum Computing, etc.

ABOUT ISTTP

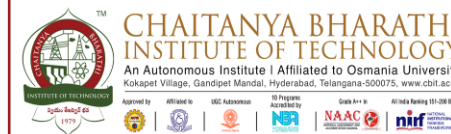
AI-Driven Autonomous Systems: Applications and Innovations, two-week program offers an immersive experience in AI-powered autonomous technologies, highlighting their transformative applications across sectors like transportation, manufacturing, healthcare, and smart cities. Designed for faculty, industry professionals, and researchers, the program blends theory with hands-on workshops to equip participants with the skills to design, implement, and integrate cutting-edge AI solutions. Ideal for those looking to modernize teaching or advance AI-driven autonomy in operations, this training ensures participants stay ahead in a rapidly evolving digital landscape. Participants will gain deep insights into AI technologies, tools, and frameworks driving autonomous systems. This program empowers them to innovate, lead, and shape the future of AI in their respective fields.

OBJECTIVES

This workshop aims to provide participants with a comprehensive understanding of the core AI technologies that power autonomous systems, highlighting their transformative applications across sectors like transportation, healthcare, manufacturing, and smart cities. Another key objective is to equip participants with the practical skills required to design, implement, and integrate AI-driven autonomous solutions, preparing them to effectively navigate the challenges of these technologies. The program also strives to familiarize participants with the latest tools, frameworks, and methodologies in AI for autonomous systems, ensuring they remain at the forefront of innovation in this rapidly evolving field.

OUTCOMES

Participants will gain valuable hands-on experience in designing and implementing AI solutions tailored to autonomous systems, giving them the expertise to apply these technologies in real-world scenarios. They will also be able to integrate AI-driven autonomy into their academic programs or professional operations, contributing to advancements in their respective fields. In addition, participants will develop leadership skills in the application of AI technologies, positioning them to drive innovation and stay competitive in the evolving landscape of autonomous systems.



A Two-Week Online International Short-Term Training Program (ISTTP)

on

AI-Driven Autonomous Systems: Applications and Innovations

27th January to 8th February, 2025

Organized by

Department of IT

Chaitanya Bharathi Institute of Technology (Autonomous)

Affiliated to Osmania University,
Accredited by NBA, NAAC A++ Grade,
Kokapet (V), Gandipet (M), Hyderabad-75,
Telangana State, India.

www.cbit.ac.in

in association with

SCRS and CSI



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I/C. Head , Dept. of IT, CBIT .

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Mr. K. Gangadhara Rao, Asst, Professor, IT, CBIT.

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Dr. N. Janardhan, Asst. Professor, MED, CBIT.
Mrs. K. Swathi, Asst. Professor , IT, CBIT.

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SUPPORTING TEAM:

Mr G Kotibabu, Mrs. K. Madhavi, Mrs. B. Kavitha, Mr.Y. Chandra Sekhar, Mr. Kishore.M, Mr. Jani Basha, Mr. Madhu J

STTP REGISTRATION:

- Free for SCRS and CSI Members
- Others 150 INR

Register here:

<https://forms.gle/NiKUQvNHjppM1j3s7>



ISTTP TOPICS

- Introduction to AI-Driven Autonomous Systems and Applications
- AI Models for Autonomous Systems: Machine Learning and Deep Learning
- Autonomous Navigation and Control Systems
- AI in Robotics: Challenges and Solutions
- Integrating AI with IoT for Smart Systems
- Sensor Fusion and Data Processing for Autonomous Systems
- Ethics and Security in AI-Driven Autonomous Systems
- AI and Edge Computing in Autonomous Solutions
- Future Trends and Innovations in Autonomous AI Systems

SESSION DETAILS

All sessions are delivered online from 7:00 PM to 8:30 PM IST

RESOURCE PERSONS

Eminent persons from Industry and Academia of National and International repute.

ELIGIBILITY

All Faculty, Research Scholars, Industry Professionals, UG/ P.G Students of all disciplines and interested persons from all domains are eligible to register.

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