

Chaitanya Bharathi Institute Of Technology

(Autonomous Under UGC)

Affiliated to Osmania University



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From our Principal

Chaitanya Bharathi Institute of Technology (CBIT), established in 1979, is a prestigious autonomous institution known for excellence in technical education and research. Accredited multiple times by NBA and NAAC with an A++ grade, CBIT offers world-class infrastructure, experienced faculty, and an industry-aligned curriculum based on AICTE, NEP-2020, and OBE. The institute emphasizes pragmatic and experiential learning, strong industry collaboration, placements, entrepreneurship through its EDC and incubation ecosystem, and innovation in research, patents, and product development. With extensive co-curricular activities and a focus on holistic student development, CBIT continues its mission of nurturing skilled engineers, leaders, and responsible citizens under the motto "Swayam Tejaswin Bhava."

From our HOD

Artificial Intelligence and Data Science (AI&DS) has rapidly evolved into a key discipline, driving transformative changes across industry, academia, and research. Recognizing its impact, CBIT established the Department of AI&DS in 2020, growing its intake from 60 to 120 students. The department offers B.E. and M.Tech programs in AI&DS, focusing on data analysis, AI, machine learning, and modern computing tools. With a strong emphasis on experiential learning through projects, internships, research, and hackathons, the department prepares students for real-world, interdisciplinary challenges. Supported by dedicated faculty, a robust curriculum, and active industry collaboration, AI&DS at CBIT equips students to excel in the digital era and contribute meaningfully to sectors such as healthcare, finance, agriculture, manufacturing, and education.

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.

About AI&DS Department:

The Department of Artificial Intelligence and Data Science (AI & DS) focuses on delivering quality education and research in emerging technologies. It equips students with strong foundations in AI, Machine Learning, and Data Science, emphasizing ethical practices, innovation, and real-world problem solving. With an industry-aligned curriculum and hands-on learning approach, the department nurtures skilled professionals capable of addressing modern technological challenges and contributing to societal and national development.

Vision:

“To be a globally recognized center of excellence in the field of Artificial Intelligence and Data Science that produces innovative pioneers and research experts capable of addressing complex real-world challenges and contributing to the socio-economic development of the nation.”

Mission:

The Department of Artificial Intelligence and Data Science is committed to providing ethically grounded, cutting-edge education, fostering strong industry and research collaborations, and encouraging innovation in emerging areas. The department nurtures social responsibility and entrepreneurial thinking, motivating students to become creative, future-ready leaders in AI and Data Science.



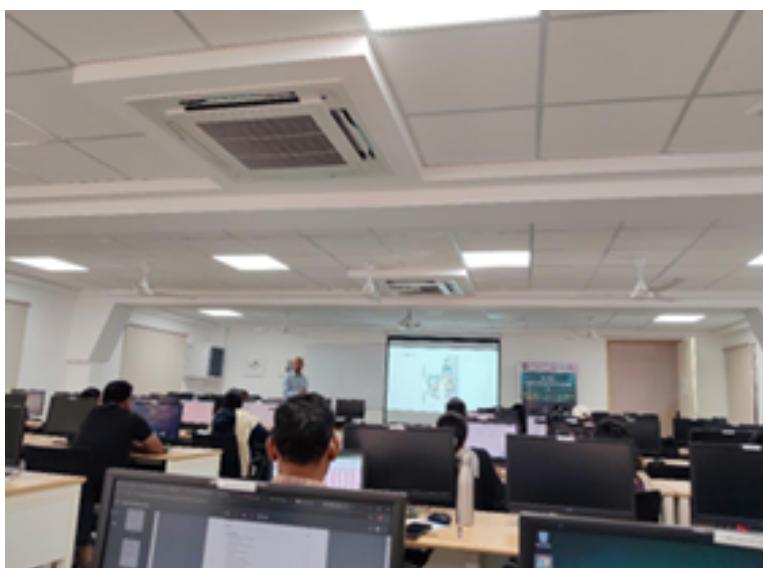
FDP'S Organized

The Department of Artificial Intelligence and Data Science, CBIT, Hyderabad organized a five-day Faculty Development Program on “Mastering AI and GPT: Unleashing the Power of Intelligent Automation” from 17th to 21st December 2024 in association with NIELIT, Aurangabad. The program focused on AI, GPT models, NLP, prompt engineering, and deep learning through expert sessions and hands-on activities, enabling faculty members to enhance their teaching and research capabilities in emerging AI technologies.

Day 1 (17 Dec 2024): The FDP commenced with an inaugural session followed by expert talks on the fundamentals and evolution of AI and GPT models, along with an introduction to Python programming basics.



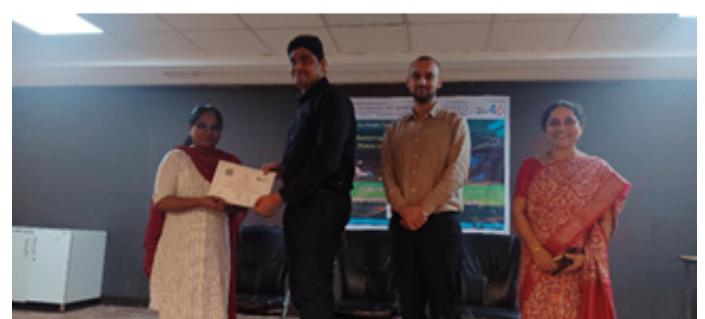
Day 2 (18 Dec 2024): Sessions focused on developing GPT-powered applications and core NLP techniques, including text processing, sentiment analysis, and ethical considerations in AI.



Day 3 (19 Dec 2024): The day emphasized prompt engineering strategies and practical NLP use cases, with hands-on chatbot development and model fine-tuning activities.

Day 4 (20 Dec 2024): Participants were introduced to deep learning concepts and frameworks, followed by hands-on implementation using TensorFlow and PyTorch.

Day 5 (21 Dec 2024): The program concluded with capstone project work, discussions on emerging AI trends, an assessment, and a valedictory session with certificate distribution.



Academic Research & Certifications

The publications comprise a total of **41 papers** published across various reputed platforms. These include 12 conference proceedings published by Bentham Science, 10 international conference papers published through IEEE, and 9 conference proceedings with Springer / Atlantis Press (Springer Nature). Additionally, 6 papers were published in Scopus-indexed conferences or journals, while 2 papers appeared in international journals such as IJRAR and GIJET. A further 2 papers were presented at other international conferences published by various organizations.

Publications	Number of Paper
International conferences	41

During the academic year 2024-25, several students successfully completed NPTEL national-level certification courses, demonstrating strong commitment to academic excellence and skill enhancement. The certifications spanned key domains such as AI, Data Science, Cloud Computing, Data Analytics, Programming, and Algorithms. Students including Gavini Sumanth, Palnati Harshitha, Sujith Kumar Akkanapelli, and others earned national certifications with consolidated scores. These accomplishments reflect the department's focus on industry-relevant learning, programming proficiency, and advanced computing skills.

Academic year	Year Student is studying	Count of NPTEL certification
2024-25	II	20
	III	6
	IV	6
	Total	32

Hackathons

During the academic year 2024–25, students of the department actively participated in a range of hackathons and innovation-focused events at both college and national levels, demonstrating strong technical competence, creativity, and problem-solving abilities. At the college level, Padam Srishank participated in Hacktoberfest, Surya Saketharam took part in the Open-Source Hackathon, Teena Dasari competed in the Planesprint Hackathon, and Kausthubh Peddibhotla participated in the CBIT Hacktoberfest Hackathon, earning certificates of participation. At the national level, Anushka Peruvel showcased her innovative skills by participating in the Google Developer Solution Challenge, while B. Shashank represented the department in the Adobe India Hackathon. These participations reflect the department's strong culture of innovation, collaboration, and continuous learning among students.

S NO	Name of the Student	Name of the Event	State/ National/ International level	Date of the Event	Name of the award if any
1	Padam Srishank	Hacktoberfest	College	26-10-2024 to 27-10-2024	CERTIFICATE PARTICIPATION
2	Teena Dasari	Planesprint Hackathon	College	27-06-2024	CERTIFICATE PARTICIPATION
3	Surya Saketharam	Open-Source Hackathon	College	27-10-2025	CERTIFICATE PARTICIPATION

S NO	Name of the Student	Name of the Event	State/ National/ International level	Date of the Event	Name of the award if any
4	Anushka Peruvvel	Google Dev Solution Challenge	National	27-06-2025	CERTIFICATE PARTICIPATION
5	B. Shashank	Adobe India Hackathon	National	09-08-2025	CERTIFICATE PARTICIPATION

GUEST LECTURES

On 4th November 2024, the Department of Artificial Intelligence and Data Science at CBIT hosted a guest lecture by Dr. R. Hafeez Basha, a distinguished academician and industry mentor. Dr. Basha has delivered over 120 talks worldwide, served as Ex-CEO of Osmania Technology Business Incubator, and mentors startups at WE-Hub, Government of Telangana, evaluating initiatives like the HDFC Parivartan Startup Grants and WE-ALPHA Program.

The lecture focused on employability and entrepreneurship, highlighting the importance of communication, adaptability, personal branding, and resilience. Dr. Basha shared insights into leveraging support systems such as Technology Business Incubators (TBIs), grants, and mentorship programs to foster innovation and entrepreneurial thinking.

Students were encouraged to explore career opportunities, develop skills, and approach challenges creatively. The session inspired them to pursue continuous learning, build practical competencies, and consider entrepreneurship as a viable career path. Dr. Hafeez Basha's guidance provided students with valuable tools to become confident, innovative, and future-ready professionals.

