

Chaitanya Bharathi Institute Of Technology

(Autonomous Under UGC)

Affiliated to Osmania University



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Principal



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V Semester

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.



Industrial Visit

The Department of Artificial Intelligence and Data Science, CBIT organized an industrial visit to the Centre for Development of Advanced Computing (C-DAC), Hyderabad, on 11th February 2025. The visit provided students with practical insights into advanced technologies such as cybersecurity, artificial intelligence, high-performance computing, and IoT through expert interactions with C-DAC scientists. The experience enhanced students' understanding of real-world applications and emerging trends in advanced computing and digital technologies.



Industrial Visit Inauguration by principal



Industrial Visit Inauguration by Hod Dr. K. Radhika



Introduction to C-DAC, Roles & Responsibility



Faculty & Student at C-DAC



Insights by Resource for AI, Deepfake



Insights from Resource on Save Internet day



3-D printing lab



Student in Conference Room



Insights by Resources on IoT collaborated with AI



Student Interaction

FDP'S Organized

A One-Week National-Level Faculty Development Program (FDP) titled “Multi-disciplinary Research Trends in Artificial Intelligence and Data Science” was organized from 29th January to 2nd February 2024 at Chaitanya Bharathi Institute of Technology (A), Gandipet, Hyderabad, in offline mode. The program was designed to enhance the knowledge and research capabilities of faculty members by providing comprehensive exposure to emerging trends, tools, and applications of Artificial Intelligence and Data Science across multiple disciplines.

The FDP focused on bridging theoretical foundations with practical implementation through expert lectures, hands-on sessions, and practice-based learning. Key themes included the evolution from AI to Deep Learning, AI-driven cloud processing, private AI, robotics, brain computing, and the application of AI in domains such as education, agriculture, and multidisciplinary research. Eminent academicians and researchers from reputed institutions like NIT Warangal, NIT Goa, Osmania University, JNTUH, Mahindra University, and CBIT served as resource persons, sharing insights into real-world challenges and research opportunities.

Overall, the program fostered innovation, collaboration, and responsible use of AI technologies in academia, equipping participants with practical skills and a broader perspective on interdisciplinary research in AI and Data Science.

One-Week FDP on AI & Data Science Research Trends at CBIT

DECCAN NEWS SERVICE
HYDERABAD

The Department of Artificial Intelligence and Data Science at Chaitanya Bharathi Institute of Technology is organizing a One-Week Faculty Development Program on Multi-Disciplinary Research Trends in Artificial Intelligence and Data Science from January 29 to February 2, 2024. College Principal Prof C V Narasimhulu and Head of AI&DS Dept. Dr. Ramana Kadiyala announced the program in association with IEEE

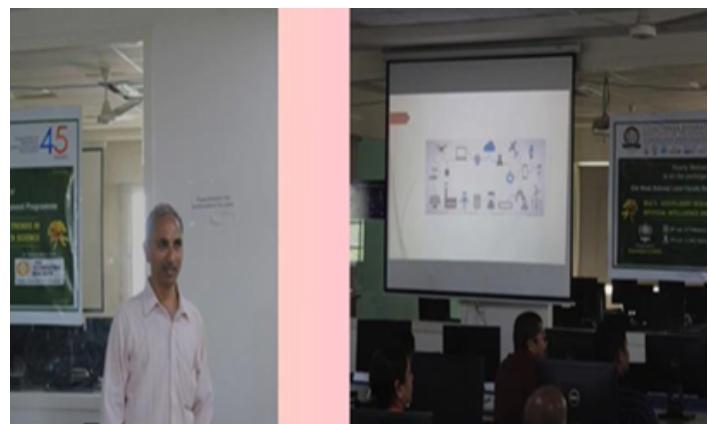


Computer Society Hyderabad section chapter.

The FDP aims to equip faculty members with the knowledge and skills needed to navigate the evolving landscape of AI and Data Science, fostering innovation, collaboration, and responsible technology use in academia.

Topics covered include AI to Deep Learning, Emergence of AI and Data Science in Multi-Disciplinary Domains, AI Tools for Research, AI in Robotics, Private AI, AI for Agriculture Research, AI for Brain Computing, AI for Education, and more.

Program coordinators are Prof. K. Radhika, Dr. D. Lakshmi Srinivasa Reddy, and Dr. Srilatha Pulipati, while co-coordinators include Smt. Satya Kiranmai Tadepalli, Smt. Sheena Mohammed, and Dr. P. Samson Anosh Babu.



Certifications

During the academic year, students actively engaged in industry-relevant courses and certification programs, demonstrating a strong commitment to skill development and employability. A notable number of students completed certifications in artificial intelligence and cloud technologies, including AI Associate and Oracle Cloud Infrastructure Certified AI Foundations Associate. Significant participation was also observed in MongoDB certification pathways across Python, Node.js, Java, and PHP, reflecting strong interest in database and backend development. In addition, students pursued certifications related to analytics, aptitude, and career readiness such as Data Analytics Process Automation by AICTE, AMCAT, and TCS ION NQT. Certifications in Salesforce, Infosys Data Science Foundation, DevOps, and Deep Learning further highlight the department's focus on emerging technologies. Overall, the completion of 288 certifications underscores the department's emphasis on continuous learning and industry-aligned skill enhancement.

Course / Certification	Count
AI Associate	66
Oracle Cloud Infrastructure Certified AI Foundations Associate	92
MongoDB Associate Developer	47
MongoDB Python Developer Path	33
MongoDB Node.Js Developer Path	15
MongoDB Java Developer Path	7
MongoDB PHP Developer Path	6
MongoDB Certified Developer	1
MongoDB C# Developer Path	1
MongoDB Aggregation with Node.JS	1
Data Analytics Process Automation – AICTE	2

Course / Certification	Count
AMCAT Exam	4
TCS ION NQT – IT	2
Sales Force AI Associate	2
Agent Force Specialist	5
Infosys Data Science Foundation	1
DevOps Foundation	1
AI Foundation (generic, separate from AI Associate)	1
Deep Learning Training and Certification	1
Total Count	288



Hackathons

During the academic year 2024–25, students of the department demonstrated a strong commitment to innovation and experiential learning by actively participating in national-level hackathons and technology-focused competitions. Anushka Peruvvel participated in Krithoathon 3.0, where she engaged in intensive problem-solving activities that required ideation, technical implementation, and teamwork under time constraints. This experience provided her with valuable exposure to real-world problem statements, encouraged creative thinking, and enhanced her ability to develop practical and scalable solutions using technical knowledge. Garlapati Ratna Sai Dileep represented the department in the MU Hackathon, where he collaborated with peers to analyze challenges, propose innovative solutions, and apply programming and analytical skills in a competitive setting. Both participations were acknowledged with certificates of participation and highlight the department's emphasis on fostering innovation, collaboration, and continuous skill development through active involvement in national-level technical events.

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	Anushka Peruvvel	Krithoathon 3.0	National	25-04-2025 to 26-04-2025	CERTIFICATE OF PARTICIPATION
2	Garlapati Ratna Sai Dileep	MU Hackathon	National	05-04-2025	CERTIFICATE OF PARTICIPATION

GUEST LECTURES

The Department of Artificial Intelligence and Data Science, Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad, organized an offline guest lecture on “Design and Analysis of Algorithms” on 15th April 2025 at the Assembly Hall. The session was delivered by Mr. Abdul Bari, a renowned professional programmer and educator with over two decades of teaching experience, widely recognized for his global reach through online algorithm courses. The lecture was coordinated by Dr. Sheena Mohammed and Dr. S. Shoba Rani, Assistant Professors, AI & DS, and was attended by B.E. IV Semester students of AI&DS, IT, and CET across all sections.

The primary objective of the lecture was to introduce students to reduction techniques and to develop a strong conceptual understanding of NP-Completeness and computational intractability. Mr. Abdul Bari provided clear and structured explanations of complexity classes such as P, NP, NP-Hard, and NP-Complete, supported by real-time examples including Clique and Vertex Cover problems. The session also guided students on formulating non-deterministic algorithms and understanding their role in solving NP-Complete problems.

The lecture was highly interactive, featuring conceptual quizzes and question-and-answer discussions that actively engaged students. Participant feedback highlighted the clarity, depth, and practical relevance of the session. Overall, the guest lecture significantly enhanced students' analytical and problem-solving skills, strengthened their understanding of algorithmic complexity, and provided valuable insights into real-world applications and research directions in algorithm design and analysis.





Campus Placements

Student Got Placed in  Microsoft



Student Got Placed in  Amazon



Ms. Panumati Shravani from the Department of Artificial Intelligence and Data Science (Batch of 2025) has secured a prestigious placement offer from Microsoft with an impressive CTC of 51 LPA. This accomplishment reflects her consistent academic excellence, strong problem-solving abilities, and dedication to continuous learning.

Her achievement stands as a significant milestone for the department, demonstrating the growing impact of the AI&DS program in shaping industry-ready graduates. The faculty, training team, and peers extend their heartfelt congratulations and best wishes for her future contributions at Microsoft.

Her success story continues to inspire juniors, showcasing that focused preparation, perseverance, and commitment to one's goals can lead to outstanding opportunities even in highly competitive environments.

Mr. Morampudi Gopi Prashant Raju from the Department of Artificial Intelligence and Data Science (Batch of 2025) has secured a prestigious placement offer from Amazon with an impressive CTC of 47 LPA. This achievement reflects his strong technical expertise, disciplined preparation, and commitment to continuous improvement in software development and data-driven problem solving.

His accomplishment stands as a proud moment for the department, highlighting the capability of the AI&DS program in nurturing industry-ready professionals. The faculty, training team, and peers extend their congratulations and express confidence in his future contributions at Amazon.

His journey continues to inspire juniors, showing that consistent effort, focused learning, and determination can lead to outstanding opportunities in highly competitive recruitment environments.

Placement Highlights – Batch 2021–25

The Department of Artificial Intelligence & Data Science has recorded an impressive placement performance for the 2021–25 graduating batch, reflecting the department's strong academic foundation and industry-aligned training. A total of 90 students secured placements through on-campus and off-campus opportunities, with offers from a wide spectrum of reputed multinational corporations, product-based companies, consulting firms, startups, and EdTech organizations.

Leading recruiters include Microsoft, Amazon, Electronic Arts, ServiceNow, Oracle, JP Morgan Chase, HSBC, Bank of America, Deloitte, Accenture, EPAM, Infosys, IBM, LTIMindtree, Cognizant, UiPath, Evernorth Health Services, Providence, Viasat, Ninjacart, MedPlus, and several emerging technology firms and startups. Multiple students received more than one offer, highlighting their strong technical competence and employability.

The highest package reached ₹51 LPA, with several other high-value offers such as ₹48 LPA, ₹47 LPA, ₹33 LPA, ₹23 LPA, ₹19.8 LPA, and ₹19.7 LPA, demonstrating excellent outcomes across both global and Indian employers. The majority of placements were secured through on-campus recruitment, complemented by notable off-campus successes.

Overall, the placement results underscore the department's commitment to excellence in AI, Data Science, and industry-ready skill development, and stand as a testament to the dedication of students, faculty, and the placement team.



Research & Development Funded Projects

Project I: CBIT Connect

The project titled “CBIT Connect – A Social Media Application for University Students” is approved under the Project ID CBIT/PROJ-SIH/1015/AIDS/D002/2024. The project is funded with a seed grant-in-aid of Rs. 37,500, which is entirely allocated for equipment procurement. No funds are allocated for consumables or hiring/testing charges, making the total grant amount Rs. 37,500. The duration of the project is one year, and it is undertaken under the Artificial Intelligence and Data Science (AI&DS) department. The project is guided by Mrs. Swathi Tejah Yalla. The project is carried out by the students Talari Sameekruth (160121771063) and T. Pavan Kumar (160121771062). The Faculty ID of the Principal Investigator is 11601. For official communication, the contact email ID provided is swathitejhy_aids@cbit.ac.in, and the contact number is 9010703203.

Project II: Voyage Mate

The project titled “Voyage Mate: Elevating IRCTC with Seamless Social Logins, Live Tracking, and Intelligent Recommendations” is approved under the Project ID CBIT/PROJ-SIH/1014/AIDS/D001/2024. The project has received a seed grant-in-aid of Rs. 30,000, which is fully allocated for equipment purposes. No budget is assigned for consumables or hiring/testing charges, making the total sanctioned amount Rs. 30,000. The project duration is one year, and it is conducted under the Artificial Intelligence and Data Science (AI&DS) department, under the guidance of Mrs. Swathi Tejah Yalla.

The students involved in this project are Md. Mushtaq (160121771050) and M. Gopi Prashanth Raju (160121771051). The Faculty ID of the Principal Investigator is 11601. The official contact email ID is swathitejhy_aids@cbit.ac.in, and the contact number provided is 9010703203.

Project III:

The Science and Engineering Research Board (SERB) has sanctioned financial support for the research project titled “A New Model for Short Term Forecasting of Scintillations using Machine Learning Approach and Generation of Regional Scintillation Maps” to be conducted at Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, under the guidance of Dr. Dattatreya Sanna Achanta, Dr. Lakshmisreenivasareddy Dirisina, and Prof. Desireddy Krishna Reddy. The project is approved for a duration of 36 months with a total outlay of Rs. 37,04,360/-, comprising Rs. 16,45,000/- for non-recurring capital expenditure (equipment) and Rs. 20,59,360/- for recurring expenses including manpower, consumables, travel, contingency, scientific social responsibility activities, and overheads. The grant is subject to SERB terms and conditions, including audit, utilization certificate submission, procurement as per GFR norms, maintenance of separate project accounts, and co-terminus engagement of project manpower.