

ABOUT CBIT (AUTONOMOUS)

Chaitanya Bharathi Institute of Technology (CBIT) is one of the premier Engineering Colleges in the self-financing category in the state of Telangana established in the year 1979. The college offers 11 UG and 10 PG Programmes. The Institute has become Autonomous under UGC w.e.f. 2013-14. UG & PG Programmes are accredited by NBA. The Institute is accredited by NAAC with 'A++' grade in 2023 for five years. CBIT (A) ranked in the rank band 151-200 in Engineering Category under National Institutional Ranking Framework (NIRF), Govt. of India, MHRD.



ABOUT AI&ML DEPARTMENT

Department of Artificial Intelligence and Machine Learning established in 2020 at CBIT and offers two UG Programs. BE (CSE-AIML) started in the year 2020-21 with an intake of 60 seats and BE (AIML) in the year 2021-22 with an intake of 60 seats. BE (CSE-AIML) programme combines CSE with functional and operational aspects of AIML. AIML department has well equipped laboratories with necessary software's and committed, qualified well trained staff for teaching/learning process.

Department of AIML is consistently exploiting the trending curriculum, teaching, and learning practices, providing scope for the students to acquire knowledge and exploring better opportunities, for those aiming for admissions in prestigious institutions for their higher studies. Department have been conducting Workshops, FDP's, STTP's for up-skilling the knowledge. Department provides an opportunity to the students to abreast in emerging technologies.

ABOUT THE FDP

This FDP program is designed to provide participants with the essential theoretical and practical knowledge in Applied Deep Learning, empowering them with the skills necessary to navigate and teach in these rapidly evolving fields.

Who can attend?

Faculty, Research Scholars, UG & PG Students, and Industry Professionals.

Registration Fee:

Rs. 251 for Faculty,

Rs. 201 for Research Scholars, UG & PG Students,

Rs. 501 For others in India.

\$10 For International participants

Free for CBIT Faculty and Students.

For Registration & Other Details:

Contact: **Dr. Garlapati Narayana** Associate Professor
Mobile No: 9505743404

Email ID: narayanag_cseaiml@cbit.ac.in

For Online Registration:

<https://forms.gle/QMaG5ueZGwvDwJJKA>

Last Date for Registration: 17-05-2025



Merchant Name : CBITSTUDENTACTIVITIES
Mobile Number : 8466997204

Timings & Schedule:

The Detailed Schedule will be sent to the Registered Participants.

80% Attendance is mandatory for receiving FDP Participation Certificate.



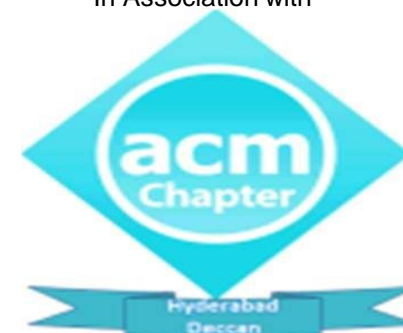
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

One-Week Online International Faculty Development Program (FDP) on Applied Deep Learning

From

19th – 24th May, 2025

In Association with



Organizing by

**Department of AI&ML
Chaitanya Bharathi Institute of
Technology
(Autonomous)**

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

CHIEF PATRON

Sri. N. Subash

President, CBIT (Autonomous)

PATRON

Prof. C. V. Narasimhulu

Principal, CBIT (Autonomous)

CONVENER

Dr. Y. Rama Devi, Professor & Head

COORDINATORS

Dr. Garlapati Narayana, Associate Professor

Dr. Prabhakar Kandukuri, Professor

Dr. Y. C. A. Padmanabha Reddy, Associate Professor

Co-COORDINATORS

Mrs. K. Mary Sudha Rani, Assistant Professor

Mrs. G. Kavita, Assistant Professor

Mrs. D. Naga Jyothi, Assistant Professor

Mr. Panduraju Pagidimalla, Assistant Professor

ADVISORY COMMITTEE

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Prof. K. Krishnaveni, Vice Principal, Academics

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

Prof. Suresh Pabboju, Director- AEC & CoE

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Progression

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

Prof. U.K Chaudhury, Director - Innovation & Incubation

Dr. N.L.N. Reddy, Advisor-CDC - Career Development Cell

Prof. C. S. R. Prabhu, Director General of NIC (Retd.) &
Chairperson, ACM Hyderabad Deccan Chapter.

ORGANISING COMMITTEE

Mr. Panigrahi Srikanth, Assistant Professor

Mr. N.V. Krishna Rao, Assistant Professor

Mrs. Ramya Thavva, Assistant Professor

Ms. Falak Naaz, Assistant Professor

Ms. Dusa Prachi Pramod, Assistant Professor

Mr. Rathod Sai Vamshi Krishna, Assistant Professor

Ms. Golla Baby Lakshmi Prasanna, Assistant Professor

Mr. R. Anand Raj, Asst. Programmer

Mr. Lokesh Mariserla, Computer Operator

Mr. N. D. Ramesh, Jr. Assistant

MS. B. Shirisha, Computer Operator

RESOURCE PERSONS

Dr. E. Damadora Reddy, Associate Professor, NIT-Goa.

Dr. Ramesh Dharavath H N, Associate Professor, IIT-Dhanbad.

Dr. Ch. Prasad, professor, DBU, USA

Dr. Venkatesh, professor, Texas, USA

Mr. Ch. Murali Krishna, S/W Engineer, NC, USA

Mr. V. Suresh Babu, Techad-Imperial Compliance, London, UK

Dr. Surya Prakash, Professor, IIT, Indore.

Dr. P. Viswanath Professor & Dean-Faculty Affairs, IIIT-Sricity.

Dr. Sriparna Saha, Associate Professor, IIT, Patna.

Dr. Ch. Ramalinga swamy, Assistant Professor, NIT Warangal.

Dr. M. Rudra Kumar, MGIT, Hyderabad.

Dr. J. Somasekar, Professor, JAIN University, Bangalore.

Mr. Sateesh Ambesange, Co-Founder, Pragyan AI, Bangalore.

Dr. M. Sreenivasulu Senior AI Engineer at Neohumans-Hyderabad.

Dr. Y. Ramadevi, Professor & Head, AIML, CBIT

Dr. K. Prabhakar, Professor, AIML, CBIT

Dr. K. Morarjee, Associate Professor, CSE, CBIT

Dr D. L. Sreenivasa Reddy, Associate Professor, AIDS, CBIT

Dr. Anila Macharla, Assistant Professor, CSE, CBIT

Dr. Shuvendu Rana, Assistant Professor, SRM University, AP

TOPICS TO BE COVERED IN FDP

1. Computer Vision

Image Classification (e.g., disease detection from X-rays, object recognition)
Object Detection and Localization (e.g., YOLO, SSD)
Image Segmentation (e.g., self-driving cars, medical image analysis)
Face Recognition (e.g., security systems, tagging in photos)
Image Generation and Enhancement (e.g., super-resolution, style transfer)

2. Natural Language Processing (NLP)

Text Classification (e.g., spam detection, sentiment analysis)
Machine Translation (e.g., Google Translate)
Question Answering and Chatbots (e.g., virtual assistants)
Text Summarization and Paraphrasing
Named Entity Recognition (NER) and Part-of-Speech Tagging

3. Speech and Audio Processing

Automatic Speech Recognition (e.g., Siri, Alexa)
Speech Synthesis (Text-to-Speech, e.g., Google TTS)
Speaker Identification and Voice Biometrics
Audio Event Detection (e.g., gunshot detection, baby cry recognition)

4. Time Series and Forecasting

Stock Price Prediction
Weather Forecasting
Anomaly Detection in sensor data or network logs
Predictive Maintenance (e.g., in manufacturing, aviation)

5. Healthcare

Disease Diagnosis from medical images (CT, MRI, X-rays)
Drug Discovery and Molecular Structure Prediction
Patient Risk Stratification
Electronic Health Record (EHR) Analysis

6. Autonomous Systems

Self-Driving Cars (e.g., perception, planning, control)
Drone Navigation and Obstacle Avoidance
Robot Vision and Action Recognition

7. Finance and Banking

Credit Scoring and Risk Modeling
Fraud Detection
Algorithmic Trading
Customer Service Automation (chatbots, document processing)

8. Gaming and Simulation

AI Game Agents (e.g., AlphaGo, OpenAI Five)
Procedural Content Generation
Player Behavior Prediction

9. Industrial and Manufacturing

Quality Inspection (e.g., defect detection)
Supply Chain Optimization
Smart Robotics

10. Scientific Research and Other Domains

Astronomy (e.g., galaxy classification, telescope image analysis)
Agriculture (e.g., crop health monitoring via drone images)
Education (e.g., personalized learning systems)
Legal Tech (e.g., document summarization, legal case analysis)