



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

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Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbit.ac.in

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COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

47
years

Department of Electrical and Electronics Engineering Value Added Course on

AIoT and Machine Learning for Intelligent Engineering Applications

03rd – 07th August 2026

TENTATIVE TIMETABLE

DAY & DATE	Session - 1 09.30 AM to 11.00 AM	Session - 2 11.00 AM to 12.30 PM	Session - 3 1.30 PM to 3.00 PM	Session - 4 3:00 PM to 4:30 PM
Monday 03/08/2026	Inauguration & Introduction to IoT, Arduino, ESP32, and Embedded Programming (JS)	Arduino Interfacing Fundamentals and Hardware Interconnections (Hands-on) (JS)	Python Programming Fundamentals for Data Science and Machine Learning (Hands- on) (JS)	Practice Session
Tuesday 04/08/2026	Sensor Integration and Embedded Communication Protocols (Hands-on) (JS)	Building a Real-Time Embedded System with Sensors, Arduino, and ESP32 (Hands-on) (JS)	Data Handling, Visualization and Exploratory Data Analysis (Hands-on) (JS)	Practice Session

Wednesday 05/08/2026	IoT Connectivity and Cloud Data Logging using ThingSpeak (Hands-on) (JS)	Remote IoT Monitoring and Control using Blynk IoT (Hands-on) (JS)	Data Pre-processing and Feature Engineering (Hands-on) (JS)	Practice Session
Thursday 06/08/2026	Smart IoT Applications and Mini Project Development (Hands-on) (JS)	IoT Project Integration, Cloud Deployment and Data Collection (Hands-on) (JS)	Classification Analysis using Healthcare Dataset (Hands-on) (JS)	Practice Session
Friday 07/08/2026	Regression Analysis using Environmental Dataset (Hands-on) (JS)	Deploying ML Models on Interactive Dashboards using Gradio (Hands-on) (JS)	AIoT Applications, Research Opportunities and Open Challenges (JS)	Practice Session/Valedictory

JS: Dr. Jagriti Saini, Founder Eternal RESTEM, Sunder Nagar, HP, India

Course Coordinators

Dr. M. Balasubbareddy, Professor and HoD, Department of Electrical and Electronics Engineering, CBIT, Hyderabad

Dr. K. Krishna Veni, Professor and Vice – Principal (Academics), Department of Electrical and Electronics Engineering, CBIT, Hyderabad

Co-coordinators

Dr. P. Kowstubha, Associate Professor, Department of Electrical and Electronics Engineering, CBIT, Hyderabad

Dr. B. Krishna Chaitanya, Assistant Professor, Department of Electrical and Electronics Engineering, CBIT, Hyderabad