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Sri. N. Subash President, CBIT

## Patron

Prof. C. V. Narasimhulu, Principal, CBIT

## Convener:

Dr.K. Vasanth, Associate Professor, Head, Dept. of ECE

## Advisory Committee:

Prof. P. Ravinder Reddy, Director, R&E Hub  
Prof. P. V. R. Ravindra Reddy, Director, Student Affairs  
Prof.A.D.Sarma, Advisor, R&D  
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Prof. D. Krishna Reddy, Dept. of ECE, CBIT  
Prof. P. Narahari Sastry, Dept. of ECE, CBIT  
Prof. Vivek Singh Kushwah, Dept. of ECE, CBIT

## Organizing Committee:

### Coordinators

Dr. M Raj Kumar Naik, Assistant Professor, Dept. of ECE. CBIT  
Dr. M Venkata Sireesha, Assistant Professor, Dept. of ECE. CBIT  
Dr. Bhasker Dappuri, Assistant Professor, Dept. of ECE, CBIT

## Registration QR Code & Link:



URL:  
<https://forms.gle/CNUMtKqrA94Psg3W6>

Contact:  
Dr. M Raj Kumar Naik, 9966880273  
Dr. M Venkata Sireesha, 9951053835

No Registration fee

Venue: N Block Seminar Hall  
Time: 9.30AM – 4.00PM



**CHAITANYA BHARATHI  
INSTITUTE OF TECHNOLOGY**

An Autonomous Institute | Affiliated to Osmania University  
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbit.ac.in



COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION

**45**  
years

## One Day Workshop

On

**“Exploring Stela 5.0: AI Teaching, Product  
Design Insights, and Collaborative Development  
Strategies”**

**July 18<sup>th</sup>, 2024**



Organized by

**Department of  
Electronics and Communication Engineering**

## About the College

CBIT is one of the premier Engineering Institutes in India, pioneer in Telangana State, which is at idyllic surroundings of Gandipet Lake, Hyderabad. The college offers twelve UG and ten PG programs. It has been standing as a temple of knowledge for the past 45 years by producing more than 25,000 Eminent and skillful Graduate Engineers, who are successful in their Careers, serving all over the Globe. The Institute has been accredited by NAAC – UGC with 'A++' Grade and various programs are accredited by NBA – AICTE. The institution is UGC autonomous since 2013-14. Stringent Academic Standards, Industry Compliant Teaching Methodology, Research Projects from Private and Public Sector organizations and Consultancy Practice enabled the Institute to establish its identity in the Technical Education and is ranked as one of the best amongst the Private Engineering Colleges.

## Department Of ECE

The Department of Electronics and Communication Engineering, CBIT is offering one UG Program in ECE and with an intake of 180 and two PG programs in Communication Engineering and Embedded Systems & VLSI Design. The department has 48 faculty members out of which 35 are PhDs. The department is growing exponentially in terms of R&D and consultancy. The Ongoing Sponsored research projects worth of Rs. 245.01 lakhs were awarded to the faculty by ISRO, DST, AICTE, UGC, DRDO etc. A total of 19 patents were published and 6 patents are granted as on date. The Department is well equipped with all state-of-the-art equipment's, Laboratories & FDPs providing all necessary facilities to the students. There are two special industry oriented labs namely Navigation & Communication Research Centre (NCRC) Lab and Green Opto Nano Energy (G-1) Lab. The department has a VLSI lab sponsored by Meity under C2S scheme.

## About the Workshop and Its Objective

The aim of the STELA 5.0 AI workshop is to enhance the learning process by integrating diverse AI APIs for deep learning, machine learning techniques (regression, classification, clustering, etc.), and Python-based Image Processing on TensorFlow. It aims to create a scalable application that provides personalized learning experiences, combining theoretical knowledge with hands-on practical learning for students to acquire essential skills.

## Areas to be covered

- Technology trends in digital education
- Challenges in AI, ML education
- Theory and practical applications
- Integration of AI APIs
- Personalized hands-on learning experience
- Smart learning platform with Flutter

## Intended Participants

- Faculty of ECE, CSE and allied branches

## Outcomes

After the successful completion of the workshop, the participants will acquire knowledge on

- **Innovative digital education**
- **Solving challenges in AI education**
- **Enhance efficient skill development towards Product Development**
- **Improved personalized learning**

## Resource Person



**Dr. S. Ramanarayana Reddy, Professor & HOD – CSE,  
Indira Gandhi Delhi Technical University for Women  
(IGDTUW), Delhi.**