

INSTITUTION PROFILE

The V. Rangasamy Naidu Educational Trust devoted to the cause of promoting Technical and Scientific Literacy, established COIMBATORE INSTITUTE OF TECHNOLOGY, popularly known as CIT in 1956 with the founder principalship of Shri P.R. Ramakrishnan, an alumnus of MIT, USA. The Institute has grown from strength to strength and attained autonomous status in 1987. The Institute, affiliated to Anna University, offers Bachelor's, Master's and Doctoral programmes in various disciplines. The institute has signed MOUs for research collaboration with Bergen University College (Norway), Texas Tech University, Lubbock, Texas (USA), Oklahoma State University, Stillwater (USA). Also the Institute has tied up for technical knowledge transfer with multinational software giants like IBM India, AMD, Novell, Samsung, Robert Bosch and Oracle.

DEPARTMENT PROFILE

The Department of Information Technology is committed to high standard academic excellence and aims to provide the students a sound foundation of theory and practice in Information Technology and expose them to the forefront of the developments in the field of computing. Many Faculty members are specializing in the areas of Big Data Analytics, Machine Learning, Mobile Computing, Wireless Networks, Soft computing, Multi Media Networks, Web Semantics etc., and actively engaging in R&D activities.

OBJECTIVE

To provide an exposure to neural computing in solving computational problems and to gain hands-on training on Deep Learning models for real time problems to cater the industrial needs.

COURSE OUTCOMES

- Identify and implement the deep learning algorithms which are appropriate for real time applications and interpret the performance of the algorithms.
- Hands-on Exposure to state of the art tools for modelling, classification and visualization of Deep Learning models.

COURSE CONTENT

- Basic Intuitions of Neuroscience
- Overview of Machine Learning and ML frameworks in production
- Challenges with Deep Learning
- Neural Network Modelling
- Deep Learning Full Stack Development
- Mathematical Intuitions
- AI Use cases
- Measure performance of Neural Network models
- Research trends in Machine Learning
- Data Science Career Options

HANDS-ON

- Deep Learning workloads
- Performance Evaluation with Tensorflow
- Tensorflow Optimizations

TEQIP-III Sponsored Six Days Workshop On

DEEP LEARNING MODELS

26th Feb – 3rd Mar 2021

Organized by
Department of Information Technology



COIMBATORE INSTITUTE OF TECHNOLOGY

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3. Mr. Biswa G.Singh,
Principal Data Scientist, Capillary
Technologies, Bangalore.
4. Mr. Keerthan Shagrithaya,
Project Assistant-Reinforcement Learning at
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REGISTRATION

No Registration Fee.

Registration Link :

<https://forms.gle/RHot3PVdeSuzQEEB8>

E-certificate will be issued to those participants
who have attended the program with minimum
90% Attendance