ABOUT NIT

National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, is one among the premier Institutions of India and is well known for its high standards in teaching and research. It offers 10 undergraduate and 23 postgraduate programs in disciplines spanning Engineering, Science, Architecture and Management. It has been declared as an Institute of National Importance by the Government of India under NIT Act. According to the Ministry of Human Resources Development, NIRF 2020, NIT Trichy has been ranked as the 1st NIT among all the NITs and 9th among all the engineering institutes in India. The Institute has signed MoUs with various Educational Institutions and Industries both in India and abroad as well with an aim to promote collaborative research and consultancy.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established in the year 1983. The vision of the department is to produce Creators of Innovative Technology. The Department of Computer Science and Engineering with its cohesive team of faculty members, offers a sound program for B.Tech., M.Tech., M.S. and Ph.D. The curriculum is updated regularly to keep up with the growing demands and the changing trends of the software industry and research laboratories. Government of India has recognized this Department as a Centre for Quality Improvement Programme in PG and Ph.D. courses.

OBJECTIVE OF THE WORKSHOP

Objective of this workshop is to disseminate the knowledge of various machine learning techniques to faculty members, research scholars and UG / PG students.

COURSE CONTENT

- Introduction to Machine Learning
- Data Preprocessing Steps
- Data Visualization Techniques
- Feature Selection Process
- Feature Scaling Techniques
- Dimensionality Reduction
- Supervised, Unsupervised, Reinforcement Learning
- Model Building
- Evaluation Metrics
- Hands-on Exercise
- Introduction to Deep Learning

RESOURCE PERSONS

The resource persons are from various esteemed educational institutions (like IITs, NITs, etc.), industries and faculties of NIT, Tiruchirappalli.

WORKSHOP TIMING

Workshop will be conducted from 10.00 AM to 04.00 PM (with short breaks in-between) on all the five days.

IMPORTANT DATE

Complete registration process by submitting the transaction receipt and filled-in registration form through Google Form. The deadline for registration is on or before **18th April, 2021 by 05:00 PM**.

One Week Online Workshop

on

Machine Learning – Concepts and Applications

19th – 23rd April, 2021

Organized by

Department of Computer Science and Engineering

National Institute of Technology

Tiruchirappalli

Tamil Nadu – 620 015

WORKSHOP CO-ORDINATORS

Dr. R. Bala Krishnan

Dr. M. Sai Krishna

Dr. Kamalika Bhattacharjee

For any queries and clarifications, please contact:

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Contact No.: 999 470 4853

940 036 4747

REGISTRATION FORM

One Week Online Workshop

on

Machine Learning – Concepts and Applications

19th – 23rd April, 2021

Name (in Block Letter): ....

Designation: ....

ID Card No. (Institute / Organization): …..………………………………………………………….

Organization: ....

Address for Correspondence: ....

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Mobile: .... **E-mail:** ....

Transaction Details: *Bank Name:* ……………. *Transaction No.:* …………………. *Date:* …………….

Date: .... **Signature:** ....