

NIT TIRUCHIRAPPALLI

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 29 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 technical institutes in India. The Institute has signed MoUs with various Industries and Institutions both in India as well as in abroad to promote collaborative research and consultancy .

CoE-AI

The Centre of Excellence in Artificial Intelligence was established on September 9, 2020 in NIT Trichy at a cost of about Rs 1.2 crore sanctioned from the Higher Education Funding Agency (HEFA). The CoE has been set up to focus on interdisciplinary research in AI. The initiative is expected to generate highly skilled manpower in terms of internships and project staff in due course of time with expertise in AI. There will also be focus on attempting to solve societal relevant problems such as crisis management, healthcare and financial decision support systems.

REGISTRATION

Registration Fee: Rs. 1000/- (inclusive of GST).
The fees should be paid through SBI-iCollect.

Maximum number of participants: **80**.

Acceptance based on First come First serve basis.

This workshop will be on virtual mode, the coordinator will send the details for joining the online sessions to the email ID of the registered participants.

e-Certificate will be provided to all the participants after the successful completion of the workshop.

IMPORTANT DATES

Start Date of Registration	20-01-2021
Last date of Registration and Payment	13-02-2021
Intimation of Selected candidates	14-02-2021

MODE OF DELIVERY

MS Teams

ONE WEEK WORKSHOP

on
Artificial Intelligence and Machine Learning Techniques for Data Analytics

15th-19th February 2021



Organized by

**Centre of Excellence in Artificial Intelligence,
National Institute of Technology,
Tiruchirappalli,
Tamil Nadu – 620015.**

Coordinators

Dr. S. Domnic
Dr. E. Sivasankar
Dr. M. Sridevi

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REGISTRATION DETAILS

1. Go to the SBI-iCollect using the link <https://www.onlinesbi.com/sbicollect/icollecthome.htm>
2. Select the state as ‘TamilNadu’, and category as ‘Educational Institutions’.
3. Select “conference and workshop NIT Trichy”.
4. Select payment category as “AIMLT 2021”.
5. Make payment through UPI/ Net Banking/ Credit card/ NEFT.
6. Once the fees is paid, fill up your details and upload the payment receipt in <https://forms.gle/Lb32H5RBp4Ned3x7A>

CONTACT INFORMATION

For any further queries and clarifications, feel free to contact through e-mail ID aiml4da@gmail.com

SCOPE OF THE WORKSHOP

This workshop aims at providing a conceptual understanding of how Artificial Intelligence, Machine learning and deep learning techniques can be used to model and solve the real world applications. It will provide the participants with domain knowledge and hands-on sessions on machine learning and deep learning techniques.

The objectives of this workshop are:

- Enriching the knowledge of Machine Learning and Deep Learning Neural Networks with applications in Text and Image Analytics
- Providing domain expertise and directions to begin research.

COURSE CONTENT

Topic 1. Introduction to Artificial Intelligence and Machine Learning techniques.

Topic 2. Supervised and Unsupervised learning algorithms.

Topic 3. Semi-supervised learning algorithms and Reinforcement algorithms.

Topic 4. Introduction to Deep Learning techniques.

Topic 5. Introduction to Image analytics.

Topic 6. Introduction to Text analytics.

Topic 7. Hands on session using python

COURSE OUTCOMES

Participants will be able to understand the fundamentals of Artificial Intelligence, Machine Learning, Deep Learning techniques.

Participants will be able to apply Machine Learning and Deep Learning algorithms in real-time image and text analytics applications.

COURSE DURATION

20 Sessions in one-week programme

Total contact hours: 30 Hours

RESOURCE PERSONS

Faculty members from NIT, IIIT, CFTI's and experts from industry will be delivering lectures in the workshop.

WHO CAN PARTICIPATE?

- Faculty members.
- Research scholars, UG and PG students.
- Industrial personnel.