

About the NITT

National Institute of Technology – Tiruchirappalli, is an institution of academic excellence, was established in the year 1964. Most of our programmes have been accredited by National Board of Accreditation (NBA). The institute is recognized for its excellent infrastructure, faculty, progressive outlook, high academic standards and record performance. One unique feature at National Institute of Technology - Tiruchirappalli is the close collaboration of educational institution and industry, resulting in the cross fertilization of theory with practice. NIT Tiruchirappalli is the first among all NITs and is the only NIT which avails "Prime Minister Research Fund"(PMRF) scholarship to the research scholars.

About the IEEE Student Branch

The world's leading professional organization for the advancement of technology has a local address at NIT, Tiruchirappalli. Through its global membership, the IEEE is a leading authority on areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power, and consumer electronics among others. Members rely on the IEEE as a source of technical and professional information, resources, and services. To foster an interest in the engineering profession, the IEEE also serves student members in colleges and universities around the world. Other important constituencies include prospective members and organizations that purchase IEEE products and participate in conferences or other IEEE programs.

About the IEEE Computer Society

IEEE Computer Society (sometimes abbreviated Computer Society or CS) is a professional society of the Institute of Electrical and Electronics Engineers. Its purpose and scope is "to advance the theory, practice, and application of computer and information processing science and technology" and the "professional standing of its members." The CS is the largest of 39 technical societies organized under the IEEE Technical Activities Board. The IEEE Computer Society sponsors workshops and conferences, publishes a variety of peer-reviewed literature, operates technical committees, and develops IEEE computing standards. It supports more than 200 chapters worldwide and participates in educational activities at all levels of the profession. The IEEE Computer Society is also a member organization of the Federation of Enterprise Architecture Professional Organizations.

About Pantech Solutions

Pantech Solutions Pvt Ltd, is an ISO 9001:2008 certified company started in 2004. Pantech group of companies is involved in offering technology training to the students as well as the faculties of engineering colleges and polytechnics, for more than a decade. Started modestly, we now have 11 faculties across India with the head count breaching 250+ mark. Our state of art, tailor made, practical oriented, start to finish curriculum ensures that our customers (students and faculties) gain proficiency in the rudimentary concepts as well as the advanced phenomenon with equal ease, in tandem with the ultimate real-time exposure. The workforce of Pantech has met and again proved its versatility and adeptness in handling research projects and training programs in the following domains, viz., Embedded, DSP, VLSI, Power & Control Engineering, Communication Networks, Android, Mobile Computing, Cloud Computing, Web Technologies, AI, Machine Learning, etc.,

Course Objective

This five day short term course provides participants with an introduction to Deep Learning and its Research applications

Prerequisites

The participants are expected to be familiar with the following:

- Basics of Python,
- Basics of probability and statistics

SYSTEM TECHNICAL REQUIREMENTS

- Windows 64 bit OS
- 4GB RAM
- i3 or i5 processor.
- Python 3.6.8
- Visual C++ Redistributable for Visual Studio 2015

<https://www.microsoft.com/en-us/download/details.aspx?id=48145>



Online Short Term Course

on

DEEP LEARNING

06th to 10th July 2020

FIVE DAYS



Organized by :

IEEE Student Branch
&
IEEE
Computer Society Chapter



National Institute of Technology
Tiruchirappalli – 620015.

In association with

PANTECH SOLUTIONS[®]
Technology Beyond the Dreams

TOPICS TO BE COVERED

Day 1 Introduction (2 hrs)

- ❖ What is Deep Learning
- ❖ Introduction to Neural Network
- ❖ Python Configuration

Day 2 Programming Language (2 hrs)

- ❖ Basics of Python
- ❖ Data Structures
- ❖ Module Files

Day 3 Getting Started with Scientific Python (2 hrs)

- ❖ Numerical python -NumPy
- ❖ Pandas
- ❖ Tensor flow and keras

Day 4 Classification (2 hrs)

- ❖ MLP Algorithm Explanation & Design
- ❖ PNN Algorithm Explanation & Design

Day 5 Classification (2 hrs)

- ❖ CNN Algorithm Explanation & Design
- ❖ Realtime Projects

Who Can Apply ?
Students, Research Scholar,
Faculty and Industrial Persons

Registration link
<https://forms.gle/sQFBqsuZRSrDF7mM9>
Registration Fee
IEEE Student Member - ₹ 250/-
Others – ₹ 300/-

- ▼ E-Certificates will be provided to all active attendees.
- ▼ Limited to 100 participants only (FCFS Basis)

Step - by - step procedure to make payment:

Step 1:

Payment through SBI Collect (State Bank of India) only.
Payment through SBI Collect can be made by
operating the following link

Go to the link:

<https://www.onlinesbi.com/sbicollect/icollecthome.htm>

Cash / Demand Draft / Cheque / Pay Orders,
etc are NOT ACCEPTED.

Step 2:

Select the following from dropdown menu:

State of Corporate / Institution: **Tamil Nadu**

Type of Corporate / Institution: **Educational
Institutions**

Step 3 :

Select the following from dropdown menu:

Educational Institutions Name: **IEEE SB NITT**

Step 4 :

Select the following from dropdown menu:

Select Payment Category: **Registration Fee**

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After successfully payment, payment receipt
will be generated. save the receipt and upload it
the google form given.

Online Short Term Course on **DEEP LEARNING** 「 06th to 10th July 2020 」 **FIVE DAYS**

IMPORTANT DATES

Last Date for Filling the form : 05th July 2020

Confirmation by Participants : 06th July 2020



COORDINATORS

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