



IIT Roorkee's  
**E-Summit IITR**  
THE ANNUAL ENTREPRENEURIAL  
FESTIVAL OF IIT ROORKEE

**NSTP-2018, E-Summit, IIT Roorkee in Collaboration with**  
**Department of Electrical & Electronics Engineering & Department of Information Technology**  
**PSG College of Technology, Coimbatore - 641 004**  
**Two Days National Level workshop on "Artificial Intelligence with Deep Learning"**  
**Dates of workshop: 23<sup>rd</sup> & 24<sup>th</sup>, June 2018**



**HANDS ON AI WITH DEEP LEARNING APPLICATIONS**

Deep Learning for recognizing hand written digits (MNIST dataset)  
 Simple Spam-Detecting Deep Learning Classifier  
 Modern Face Recognition with Deep Learning  
 Case Study: Cancer Detection, Case Study: Character Recognition  
 Case Study: Iris Clustering, Case Study: Intelligent Washing Machine Design  
 Image Segmentation using deconvolution layer in Tensorflow  
 Develop a predictive analytics model for a complex data set



**THE COURSE OUTLINES FOR AI WITH DEEP LEARNING**

Introduction to Deep Learning, Artificial Intelligence, Neural Network  
 The Neuron Diagram, Introduction to Python and Anaconda,  
 Working on Various Python Library, Introduction of Tensorflow  
 Linear and Logistic Regression, The Convolutional Neural Network  
 Artificial Neural Network, Backpropagation



**BENEFITS/MOTIVATION**

The Certificate of Participation from NSTP'18 E-Summit of IIT-Roorkee



**Registration Fee:**

Industry: Rs.3000/-  
 Academicians / Research Scholars: Rs.2500/-  
 Students: Rs.1500/-

Maximum no. of seats: 80 Seats will be filled on First Come First Serve basis  
 (The fee includes: Training, certificate, Registration fee & software tools)

**Last Date of Registration:**  
**06th June 2018**

**Demand Draft to be drawn in favor of "PSG CNCE"**

Filled-in Registration forms along with DD to be sent to:

Dr. L. Ashok Kumar  
 Department of EEE

PSG College of Technology  
 Peelamedu, Coimbatore - 641004

Contact No: 98432 81115 Mail: [iotinsmartcity2017@gmail.com](mailto:iotinsmartcity2017@gmail.com)

**DEEP LEARNING**

Machine Learning steps closer to  
 Artificial Intelligence

**FREE  
 SOFTWARE  
 TOOLS**



**ABOUT THE PROGRAMME**

This workshop Programme is intended to provide opportunities for teachers and researchers employed in institutions for upgrading their knowledge and acquiring practical skills in the area of deep learning. The objective of the programme is to help the Faculty / Industry / Research scholars / Students learn the principles of deep learning and understand how to build deep neural networks for solving problems in image and text analysis. They will practice the ideas in Python tools such as TensorFlow, Theano, and Keras. The workshop will equip them to use and teach deep learning for various machine learning tasks and expose them to the challenges in deep learning research.

**ZONAL CENTER DETAILS**

**PSG College of Technology Coimbatore**  
**Address: Avinashi Rd, Peelamedu, Coimbatore, Tamil Nadu 641004**

**CONVENER:**

PROF. R. RUDRAMOORTHY, PRINCIPAL

**CO-CONVENERS:**

Dr. M. C. BHUVANESWARI,  
 HOD I/C, Dept. of Electrical & Electronics Engg.  
 Dr. K. UMAMAHESWARI,  
 HOD, Dept. of Information Technology.

**ORGANIZING SECRETARY:**

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 ☎ +91 9843281115

**COORDINATORS:**

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**REGISTRATION FORM**

S.No: \_\_\_\_\_

NAME	CONTACT	E-MAIL ID:

COLLEGE : \_\_\_\_\_

ZONAL CENTER: \_\_\_\_\_

DATE: \_\_\_\_\_ Course Name: \_\_\_\_\_

ACCOMODATION REQUIRED:  YES  NO DEMAND DRAFT NO: \_\_\_\_\_

PARTICIPANT SIGNATURE

FACULTY COORDINATOR SIGNATURE

**Participant SLIP**

S.No: \_\_\_\_\_

NAME	CONTACT	E-MAIL ID:

COLLEGE: \_\_\_\_\_

ZONAL CENTER: \_\_\_\_\_

DATE: \_\_\_\_\_ Course Name: \_\_\_\_\_

PARTICIPANT SIGNATURE

FACULTY COORDINATOR SIGNATURE

**NOTE: This slip is mandatory for entry.**