

TEQIP III Sponsored

One Week Short Term
Training Programme (STTP)

on

"Recent Trends in AI and Machine Learning"

29th July to 2nd August 2019

1. Name(Capital)_____

2. Gender(M/F)_____

3. Address_____

4. Affiliation_____

5. Department_____

6. Designation_____

7. Qualification_____

8. Research Area_____

9. Email_____

10. Mobile_____

11. Fee Details: DD No.:_____ Issuing Bank

Name:_____ Date:_____

Place:

Date: _____ Signature of the applicant

The application is hereby forwarded and recommended,
and the applicant is permitted to attend the course.

Signature and Seal of Head of Institution

IMPORTANT DATES

Last date to register online	21.07.2019
Email to shortlisted participants	23.07.2019
Confirmation from participants	26.07.2019
Final list of shortlisted participants	27.07.2019
Commencement of STTP	29.07.2019

ADDRESS FOR COMMUNICATION

Coordinator, STTP

Department of Information Technology,
Delhi Technological University

(Formerly Delhi College of Engineering)

Bawana Road, Delhi- 42

Email: aiml@dtu.ac.in

ORGANISING COMMITTEE

CHIEF PATRON

Prof. Yogesh Singh, Vice Chancellor, DTU, Delhi

PATRON

Prof. S. K. Garg, Pro Vice Chancellor, DTU

CHAIR PERSON

Prof. Kapil Sharma, HOD (IT)

PROGRAMME CO-ORDINATOR (S)

Dr. Dinesh K. Vishwakarma
Coordinator

Ms. Priyanka Meel
Co-Coordinator

MEMBERS (S)

Dr. Seba Susan
Ms. Ritu Agarwal
Ms. Anamika Chauhan
Mr. Jasraj Meena
Ms. Geetanjali Bhola



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ONE WEEK SHORT TERM
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Organized by:

Department of Information Technology
DELHI TECHNOLOGICAL UNIVERSITY

Shahabad Daultpur, Bawana Road, Delhi-110042

ABOUT THE UNIVERSITY

Delhi Technological University (DTU), formerly known as the Delhi College of Engineering (DCE), is a public engineering university located in New Delhi, India. It was established in 1941 as Delhi Polytechnic and was under the control of the Government of India. The college has been under the government of the National Capital Territory of Delhi since 1963 and was affiliated with the University of Delhi from 1952 to 2009. In 2009, the college was given state university status, thus changing its name to Delhi Technological University. It offers courses towards Bachelor of Technology (B.Tech), Master of Technology (M.Tech), Doctor of Philosophy (PhD) and Master of Business Administration (M.B.A) and contains fourteen academic departments with a strong emphasis on scientific and technological education and research.

ABOUT THE IT DEPARTMENT

Specialized knowledge on analysis and design of Information system, information security, mobile communication, soft computing, artificial intelligence, digital signal processing, computer vision and expert systems, web engineering is also imparted, along with various electives related to upcoming I.T. fields. It empowers the younger generation with knowledge of recent advancements in this sector and provides them with a platform to work in various industries such as banking, insurance, communications, etc. Other popular areas that encompass scope for IT and have grown in recent years are medicine, E-Governance, entertainment and multimedia, scientific research, business intelligence solutions and knowledge discovery in databases. The Delhi Technological University (formerly Delhi College of Engineering), offers an undergraduate B.Tech. Course in Information Technology with an intake

of 75 students every year. Also, to meet the growing demands of present-day technologies, DTU has started post-graduate studies in Information Systems from the year 2009-2010, with an annual intake of 21 students. The department also has its own set of PhD research scholars working in different application domains of Information Technology.

ABOUT THE PROGRAMME

We are delighted to inform you that the Department of Information Technology, Delhi Technological University, is planning to organize a short term training program on "Recent Trends in AI and Machine Learning" at DTU. We are pleased to welcome all the participants (Faculty/Research Scholars/Students) looking for enhancing their skills in the field of AI and Machine Learning. The course focuses on statistics essentials such as using statistics to describe data and infer insights, building machine learning models using supervised, unsupervised learning, natural language processing, neural networks, deep learning, graphical models, reinforcement learning etc.

COURSE OBJECTIVE

The objective of this course is to enhance the knowledge of the faculty in the field of computer vision and machine intelligence. Also, in this course, the emphasis is given on various issues, challenges and applications related to AI and Machine Learning.

PROGRAMME CONTENT

- Introduction to AI and Machine Learning.
- Introduction to Deep Learning
- Applications of Deep Learning in computer vision, sentiments analysis, data analysis, and rumour's analysis, social behaviour, object recognition etc.

- Application of AI in Bio-medical image processing.
- Visualization, Data Pre-processing, classification and regression analysis.
- Convolutional Neural Networks
- Recurrent Neural Networks and LSTMs
- Stochastic Gradient Descent and Decision Trees, Random Forests and Ensembles, Auto-Encoders.

TARGET GROUP

The programme is open to the (Faculty / Research Scholars) members of AICTE/UGC approved Engineering Institution/ Universities /R&D Labs and persons from Industries working in the area of Artificial Intelligence and Machine Learning.

REGISTRATION, FEE AND SELECTION PROCESS

Participants will have to register online at www.dtu.ac.in. The participants are required to submit the hard copy of registration form duly signed by the competent authority and original copy of demand draft of refundable security of 1000 issued in favour of 'Registrar DTU, New Delhi' at the time of commencement of the course i.e. 29.07.2019. The hardcopy of the form and DD will be accepted only for those participants who have been shortlisted and registered online.

Registration link:

<https://forms.gle/1ggG2HUMUtdP64ki6>

The selection is based on first come first served basis. The selected candidates should have to bring the original form duly signed by competent authority, DD, and identity proof issued by the sponsoring organization.



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Dr. Dinesh K. Vishwakarma

Department of Information Technology

Delhi Technological University

Shahbad Daultapur, Main Bawana Road, Delhi-110042, India.

Email : aiml@dtu.ac.in