

ABOUT THE COURSE

Machine learning is an essential approach to analyze and extract useful information from a wide range of big data; it provides the fundamental tools for big data analytics. By developing fast and efficient algorithms and data-driven models for real-time processing of data, machine learning is able to produce accurate results and analysis. In the past decade, machine learning has been applied in Google's self-driving car, image recognition, computer vision, speech recognition and natural language processing, intelligent robotics, smart cars, automation, online search and recommendations, financial trading and risk management, healthcare, and personal and public security. Machine learning is so pervasive today that we probably use it dozens of times a day without knowing it.

This course aims to introduce the participants to Machine Learning and its various applications. In particular, the course will start with the introduction of machine learning followed by algorithms used in machine learning. Next, some applications shall be covered and state of the art technologies with hands on exercises will be provided to give insights.

COURSE CONTENTS

1. Introduction to Artificial Intelligence and Machine Learning
2. Significant parameters and issues in Machine Learning
3. Machine Learning Algorithms
4. Applications of Machine Learning in various disciplines
5. Hands on sessions on relevant tools

IMPORTANT DATES

Submission of Registration form by 25.01.2019

Acceptance Notification by 30.01.2019

CONTACT DETAILS

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PATRON

Dr. Sehijpal Singh (Principal)

Guru Nanak Dev Engineering College, Ldh.

COORDINATOR (s)

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Prof. Tarandeep Singh

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Prof. Ameeta Sehra

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Prof. Navneet Kaur

Prof. Gurpurneet Kaur

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Prof. Kuldeepak Singh

Prof. Harminder Kaur Aulakh

Prof. Daljit Singh

Prof. Naazia Makkar

Prof. Preeti Pannu

Prof. Shivmanmeet Singh

QIP
SHORT TERM COURSE
ON

Machine Learning Applications in Engineering

(4th-9th February, 2019)



COORDINATOR (s)

Dr. Sandeep Singh Gill

Prof. Tarandeep Singh

ORGANISED BY

Department of

**ELECTRONICS & COMMUNICATION
ENGINEERING**

Guru Nanak Dev Engineering College

Gill Road, Ludhiana, Punjab-141006

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ABOUT THE INSTITUTE

Guru Nanak Dev Engineering College (An Autonomous College under UGC Act), established in 1956, has been striving persistently in the field of education by comprehending the need for upliftment of rural youth in highly competitive, technologically-elevated society, in particular, and understanding the thirst for knowledge of students and quenching it in general. The College has been declared an Autonomous College by UGC, New Delhi on 17.8.2012. This college has the privilege of starting Ph.D degree under Quality Improvement Programme (QIP) by AICTE, New Delhi. Apart from offering various B.Tech courses, the institute also imparts thirteen Postgraduate courses both on regular and part time basis. An excellent platform is provided to the researchers leading to Ph.D degree program.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering, established in 1981, is one of the most dynamic departments of Guru Nanak Dev Engineering College. It was the first diversification initiative by the college, 25 years after its establishment. The department is currently running UG and PG courses in Electronics and Communication Engineering and has around 15 scholars enrolled for doctorate in areas like Antenna Design, VLSI, Optical communication etc. Ever since its inception, the department has been the hub of academic excellence through some great teachers who have spread their wings all over the globe. The alumni of the department are not only excelling in India but also in the Silicon Valley and other hubs of Electronics Technology. They are at the forefront of the Telecom revolution of the last 20 years and manning pivotal positions in Telecom operators in India, South East Asia, Pacific region and Africa. In the last two years, as a part of an academically autonomous system, the department

has taken numerous quality initiatives including revamping of syllabi so that it is in tune with the outcome based system as proposed in the Washington Accord.

ECE Department is continuously maintaining strong International collaboration with outside world in form of joint research initiatives, editorial board memberships of reputed International journals, serving on academic bodies in various universities and industry institutes, joint research initiatives.

REGISTRATION

There is no registration fee for participants from academic institutes. All short-listed candidates are required to confirm their participation by sending the scanned copy of duly filled Registration form by e-mail to gndec.ece.qip@gmail.com.

Shortlisting and confirmation of eligible candidates will be on a first come first served basis. Incomplete application forms will not be entertained. Registration forms should reach the coordinator by 25.01.2019.

ELIGIBILITY

Faculty members and research scholars of degree level engineering colleges recognized by AICTE are eligible to attend the course. Course being interdisciplinary in nature, faculty and research scholars of all engineering branches are eligible to apply.

Course Completion Certificate will be given only if the attendance criterion is satisfied.

TRANSPORT BOARDING & LODGING

Participants are entitled for II class (Sleeper Class) or AC railway fare to and fro by the shortest route from college to GNDEC, Ludhiana. Accommodation will be provided in the students Hostels or Guest House on sharing basis.

QIP SHORT TERM COURSE ON Machine Learning Applications in Engineering (4th-9th February, 2019)

REGISTRATION FORM

Name (in block letters):

Gender:

Qualification:

Designation/Department:

Organization:

Address:

Mobile:

Email :

Accommodation Required in Campus: YES / NO

Signature of Participant

Sponsorship & Signature of Head of the College / Institute (with date & seal).

(Important: By signing above, head of the College/Institute certifies that applicant is a faculty member of degree level engineering college recognized by AICTE)