RESOURCE PERSONS

Experts from different specializations will be delivering lectures in various sessions. Each session will be followed by interactive sessions on the subject matter. The resource persons constitute software professionals from the industry and experts from IIT's, NIT's and Panjab University Chandigarh.

ELIGIBILITY

The Faculty members of CSE/ IT/ Comp. App. / ECE/ EI/ EE Dept. of the AICTE approved institutions (Degree / Diploma) or participants from Government or Industry are allowed to join this STTP. There is **NO REGISTRATION FEE**. STTP will be conducted in online mode.

COURSE EVALUATION

a. A test for the assessment of the course will be conducted at the end of the programme.
b. The certificates will be issued to those participants who have attended the programme and the test successfully.

HOW TO APPLY

Registration is required for participating in this course. Applicants should fill the registration form only in online mode available at:

https://forms.gle/zRaBULjjXHeFTkZc8

IMPORTANT DATES

Last Date for Receipt of Application: 27th Oct, 2020
Intimation of Acceptance: 29th Oct,, 2020
STTP Dates: Nov. 02nd to Nov. 07th, 2020
Inauguration: 9:30 A.M. on Nov 02nd, 2020

CONTENTS

- Principles, applications, trends, and pertinent issues of Artificial Intelligence, Machine Learning and Data Science.
- Data Visualization and Analytics.
- Modelling based on Machine Learning and Data Science to diverse range of operations such as Banking and Natural Language Processing.
- AI to Engineering Systems and Resource constrained Devices.
- Hands on Sessions on IBM Watson and other tools.

ONE WEEK SHORT TERM TRAINING PROGRAMME (STTP)

On
Artificial Intelligence and Machine Learning with Data Science (AIMLDS-2020)

2nd to 7th November, 2020

ONLINE MODE

Sponsored by

All India Council for Technical Education, New Delhi

Organized by

**Department of Information Technology
Guru Nanak Dev Engineering College,
Ludhiana – 141006, Punjab, India
Website: http://www.gndec.ac.in**

ABOUT THE COURSE

One week Short Term Training Programme (STTP) intends to conduct faculty training through financial assistance from AICTE under Quality Improvement Scheme (AQIS), to enable faculty members in the field of technical education to introspect and learn techniques that can help prepare students for active and successful participants in a knowledge society. The objective of this course is to aware the users about the contemporary capabilities of the machine learning and data science in the diverse range of applications. The focus of the course is on imparting the technical training on the Artificial Intelligence (AI) and data analytical techniques. Machine Learning (ML) methods may be exploited to extract information and gain the knowledge from the data, in addition to the prediction of the future trends. Data Science (DS) deals with big or medium scale data and contemplates data analytical operations. A data scientist usually collects and analyze data from multiple and fused sources and exploits algorithms based on machine learning to extract imperative information. The capabilities of machine learning and data science enable wide range of public, private and Government agencies for explaining various events, predicting outcomes, and planning strategies. Taking into consideration of the inter-disciplinary approach, this STTP has been designed by Department of IT (GNDEC, Ludhiana), to highlight the domains of research as well as applications connected with artificial intelligence, machine learning and data science.

ABOUT GNDEC

Guru Nanak Dev Engineering College, Ludhiana (An Autonomous College under UGC Act), established in 1956, oldest and premier institute of Punjab, is providing education in the field of engineering by comprehending the need for up-liftment 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 in 2012. This college has the privilege of starting Ph.D. degree under Quality Improvement Programme (QIP) by AICTE, New Delhi. Apart from offering various Accredited graduate level B.Tech. courses vis-a-vis Civil Engineering, Computer Science & Engineering, Electrical Engineering, Electronics & Communication Engineering, Mechanical Engineering, Production Engineering, Information Technology; the institute imparts eleven Postgraduate M.Tech. courses both on regular and part time basis. An excellent platform is provided to the researchers leading to Ph.D. program.

ABOUT DEPARTMENT OF INFORMATION TECHNOLOGY

Department of Information Technology was established in 2001. Since its inception, the department has contributed in a big way to the society by providing technical manpower for various fields in India and abroad. Graduates and post graduates from the department are settled in very good positions all over the Globe. At present, the department is proud to get best merit students in the region. The faculty of the department continues to provide new frontiers of technical knowledge to the students by imparting quality education and research. The UG course is NBA accredited and is keeping pace with the latest developments in engineering education.

CHIEF PATRON

Dr. Sehijpal Singh, Principal
Guru Nanak Dev Engineering College , Ludhiana

PROJECT MONITORING COMMITTEE

Chairperson: Dr. Sehijpal Singh
Member Secretary: Dr. Kiran Jyoti
Members: Dr. Parminder Singh,
Dr. Kulvinder S. Mann, Prof. Ameeta Seehra

FACULTY COORINATOR

Dr. Kiran Jyoti, Head of the Department

COURSE COORDINATORS

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ORGANIZING COMMITTEE

Faculty and Staff, Department of Information Technology, GNDEC, Ludhiana