Shastri Conference and Lecture Series Grant (SCLSG) 2021-22

Sponsored Lecture Series

on

Computational Intelligence and Machine Learning

14th **to** 15th **March 2022**

organised by

Department of Computer Science and Engineering
Sant Longowal Institute of Engineering and Technology, Longowal

Programme Coordinators
Dr. Jagdeep Singh
Assistant Professor, SLIET Longowal
Email: jagdeep@sliet.ac.in
Contact Number: +91-9458729314

Dr. Birmohan Singh
Professor, SLIET Longowal
Email: birmohansingh@sliet.ac.in
Contact Number: +91-98159-80400

About the SLIET, Longowal

Sant Longowal Institute of Engineering and Technology (SLIET), (Deemed-to-be-University) was established by the Ministry of Education, Government of India in the year 1989 to provide technical education in the emerging areas of Engineering and Technology. A lush green campus houses more than five thousand students in the integrated certificate and diploma, undergraduate, postgraduate, and doctorate programs in various disciplines of Science, Engineering, and, Technology.

About the Department

The Department of Computer Science and Engineering started in 1991. Global excellence and local relevance in teaching, research, and technology development is the main objective of the department. The Department is imparting quality education at the level of Integrated Certificate and Diploma (ICD) in Computer Science and Engineering, B.E. (Computer Science and Engineering), M.Tech. (Computer Science and Engineering) and Ph.D.

About the Shastri Indo-Canadian Institute

The Shastri Indo-Canadian Institute is a binational organization that promotes understanding between India and Canada through academic activities and exchanges. The Shastri Institute is funded by and partners closely with government bodies in both India and Canada. Shastri Indo-Canadian Institute's broad-based initiative is to support the creation of bi-national relations between academia, government, the business community, and civil society organizations by funding research and hosting academic activities in Canada and India. SICI continues to engage with member institutions from time to time through programmes, grants and activities to encourage collaborations in the higher education corridors between both nations.

About the Lecture Series

This lecture series introduces computational intelligence theory, different computational intelligence paradigms, and how these can solve various practical problems. It also introduces the main concepts of genetic algorithms and how to implement and solve problems. Machine learning concepts and building blocks for successfully designing machine learning systems are also discussed, along with how machine learning algorithms can be applied to real-life problems. The lecture series starts with a few introductory lectures on topics in the above-mentioned areas.

Lecture Contents

This lecture series focuses on the following topics:

- Computational Intelligence Main paradigms and Approaches
- Principles and Foundations of Machine Learning
- Decision Tree Classification Algorithms
- Data Transformation and Model Selection Algorithms
- Machine Learning Model Evaluation and Debugging

Mode of Lecture Delivery

Online using Google Meet:
https://meet.google.com/mem-bwou-gkr

Who can Apply

Faculty, scholars, and students from Shastri Indo-Canadian Institute (member institutions), and, from technical institutions approved by AICTE.

Resource Persons

1. **Dr. Isaac Woungang**, Professor, Department of Computer Science, Ryerson University, Canada.

2. **Dr. Sanjay Kumar Dhurandher**, Professor, Department of Information Technology, Netaji Subhas University of Technology, Delhi, India

3. **Dr. Anshul Verma**, Assistant Professor, Department of Computer Science, Banaras Hindu University, Varanasi, India

Registration Fee

Nil

Important Dates

Last date to Apply   March 10, 2022
Intimation of selection   March 12, 2022

Organizers

Chief Patron   Prof. Shailendra Jain, Director, SLIET Longowal
Patron   Prof. J. S. Dhillon Dean Academics
Co-Patron   Prof. A.S.Dhaliwal, Dean Research and Consultancy
Chairman   Prof. Manoj Sachan, HoD, CSE

How to Apply

Please click on the following link to apply for lecture series:

Apply:

https://forms.gle/MV6fvmf5i9BwFVPq9

Institute Vision

SLIET shall strive to act as an international podium for the development and transfer of technical competence in academics through formal and non-formal education, entrepreneurship, and research to meet the changing need of society.

Institute Mission

- Non-formal, flexible, modular, multipoint entry programs in engineering and technology and in the areas like rural development, educational planning, information, and management sciences.

- Education and training in modern technology areas.

- Promotion of self-development among the students.

- Extension services to industry working population, passed-out students, social organizations, and institutions of research and higher learning.

- Close interface with the industry to conduct research based on manpower requirements leading integrated educational planning curriculum development and instructional material preparation in technology and interdisciplinary areas.

E-Certificate

E-Certificate will be issued for all those who register and attend the Programme.

Address for Communication

Dr. Jagdeep Singh
Assistant Professor
Department of Computer Science Engineering
Sant Longowal Institute of Engineering and Technology
Longowal, District – Sangrur, Punjab (India) – 148106
Email: jagdeep@sliet.ac.in
Contact Number: +91-9458729314.