PATRON

Prof. Dr. K. N. Madhusoodanan
Vice-Chancellor
CUSAT

ORGANIZING COMMITTEE

Dr. Meera V.
Registrar, CUSAT

Dr. Sabu M. K.
Professor & Head, DCA, CUSAT

Dr. A. Sreekumar
Professor, DCA, CUSAT

Dr. Judy M. V.
Professor, DCA, CUSAT
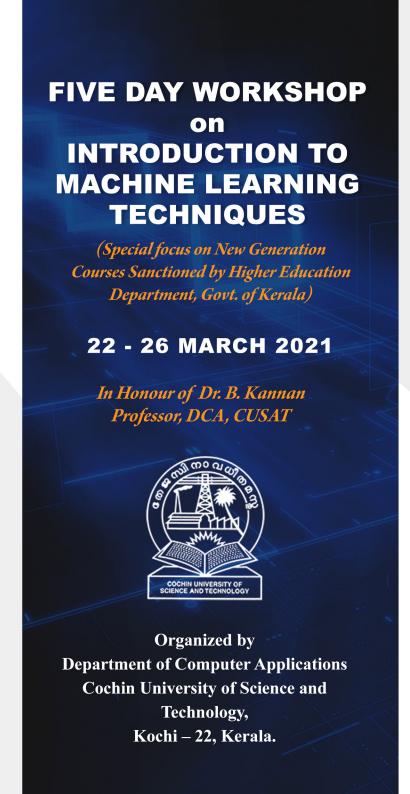
Dr. Vinod P.
Professor, DCA, CUSAT

Ms. Malathi S.
Assistant Professor, DCA, CUSAT

COORDINATOR

Dr. Vishnukumar S.
Associate Professor, DCA, CUSAT

JOINT COORDINATOR

Ms. Rafidha Rahiman
Assistant Professor, DCA, CUSAT

FIVE DAY WORKSHOP on INTRODUCTION TO MACHINE LEARNING TECHNIQUES

(Special focus on New Generation Courses Sanctioned by Higher Education Department, Govt. of Kerala)

22 - 26 MARCH 2021

*In Honour of Dr. B. Kannan
Professor, DCA, CUSAT*

COCHIN UNIVERSITY OF
SCIENCE AND TECHNOLOGY

Organized by
**Department of Computer Applications
Cochin University of Science and
Technology,
Kochi – 22, Kerala.**

DATE

22nd March 2021 to 26th March 2021

REGISTRATION FEE

CUSAT Members: Rs 1000/-
Others: Rs 1190/- (Including GST and Cess)

Account Name   : Head Department of
                  Computer Applications

Account Number : 67216724749

IFSC   : SBIN0070235

Registration Link:

https://forms.gle/YhRbphxPP9b7FrAA6

for more details visit:

www.dca.cusat.ac.in

ADDRESS FOR CORRESPONDENCE

Department of Computer Applications
Cochin University of Science and Technology
Kochi – 682022
E-mail: dcacusatworkshop@gmail.com
Phone: +919497359253, +919947142132

ABOUT CUSAT

Cochin University of Science and Technology (CUSAT) was established in 1971 with emphasis on post-graduate studies and research in applied science, industry and commerce. Since then, it's excelling in research and academic activities solving significant societal, science, and engineering problems. Its vision is to strive for excellence, be competitive in technical education on a global basis, and focus on knowledge assimilation, generation, and dissemination. In its pursuit of international excellence, CUSAT has established academic links with various Universities in India and abroad. CUSAT accredited with an A grade by NAAC and is consistently placed amongst the top universities in India.

DEPARTMENT OF COMPUTER APPLICATIONS (DCA)

The Department of Computer Applications is a pioneer department of the Cochin University of Science and Technology established in the year 1994. Currently, the department offers MCA (Master of Computer Application), M.Sc Computer Science with Specialization in Soft Computing, M.Sc Computer Science with Specialization in Data Science, Ph.D. in Technology, and Ph.D. in Science
The department is bestowed with an experienced team of faculty members with an excellent academic track record and proficiency in data science, machine learning, and cybersecurity. In the last five years, the department has more than a hundred publications in reputed journals and conferences. Also, the faculty has more than one crore worth of funded projects.

The curriculum of the department provides a good theoretical foundation through high-quality teaching and extensive practical training. In addition to the regular curriculum, the department organizes workshops, technical seminars, Faculty Development Programs (FDP), Short-Term Training Programmes (STTP), and conferences to expose the students to real-world problems catering to industrial and societal needs.

ABOUT THE WORKSHOP

Artificial intelligence (AI) is a wide-ranging branch of computer science concerned with building smart machines capable of performing tasks that typically require human intelligence. The advancements in machine learning and deep learning are creating a paradigm shift in virtually every sector of the tech industry. Machine Learning (ML) is a subfield of AI. It is one of the most demanding technologies of today's industry and research. ML Techniques are continuously developing and their applications range from self-driving cars to the prediction of deadly diseases. Machine learning algorithms can also automate and improve numerous jobs, which helps to streamline business processes and optimize expenses.

OBJECTIVE

This workshop aims to provide a platform to exchange fundamental information concerning diverse Machine Learning Techniques to the faculty members and research scholars from Universities and Colleges. This workshop is specially designed keeping in view of the new generation courses sanctioned by the Higher Education Department, Govt. of Kerala.

PREREQUISITES

Basic knowledge in principles of Computing

RESOURCE PERSONS

All sessions will be handled by experts from respective areas.

ELIGIBILITY

The workshop is open to faculty members and research scholars from AICTE/UGC-approved institutions.

SELECTION PROCESS

Participants will be selected on a first come first serve basis and selected candidates will be intimated through email.

TOPICS

- Mathematical and Statistical Foundations of Machine Learning
- Data Collection
- Exploratory Data Analysis
- Performance Metrics
- Python for Machine Learning
- Supervised Learning Techniques
- Unsupervised Learning Techniques
- Ensemble Methods
- Artificial Neural Networks