

OBJECTIVE

This workshop will help the participants understand principles of machine learning and how statistics is crucial while developing machine learning models. At the end of this workshop, participants will be able to get an understanding about how statistical machine learning can help in making better/informed decisions and deploy ML models.. The aim of this workshop is integrating machine learning into academic research can facilitate interdisciplinary collaborations, broaden the scope of inquiries, and contribute to pushing the frontiers of knowledge.

COURSE CONTENTS

Introduction to Machine Learning

- Introduction to machine learning: supervised vs. unsupervised learning
- Linear models (including linear regression and logistic regression)
- Loss functions and optimization

Model Selection

- Cross-validation
- The bias-variance tradeoff
- High-dimensional variable selection
- Regularization methods (lasso and ridge regression)

Non-linear Methods & Deep Learning

- Support vector machines
- Decision trees
- Random forests
- Neural networks
- Deep learning

FACULTY

Sessions will be handled by faculty members from KEC.

BOARDING AND LODGING

Accommodation and boarding if required will be provided in the college campus on chargeable basis.

COURSE FEE AND REGISTRATION

Details	Amount
Registration Fee	Rs.550/- +18% GST (Faculty & Students)

- The registration amount (**Rs.649**) send through GPAY No: 9788654804
- Participants can also bring their own laptops
- Registration fee include lunch, refreshment and certificates

HOW TO APPLY

The applicants should send their applications in the specified format through their Principal / Sponsors to reach us on or before 21.05.2024. If selected they should confirm their participation in time.

SCHEDULED DATES

Last date for receipt of Applications : 21.05.2024
Intimation of Selection : 23.05.2024
Confirmation by participants : 27.05.2024

ANY QUIRES CONTACT

Dr. T. Abirami - 9788654804

KONGU ENGINEERING COLLEGE
(Autonomous)
PERUNDURAI, ERODE 638060 TAMILNADU

WORKSHOP ON “Statistical & Machine Learning Techniques”

30.05.2024 & 31.05.2024

APPLICATION FORM

Name :

Faculty / Student:

Designation :

Organization :

Sex :

Educational Qualification:

Address for

Communication

(With telephone no.

& E-mail ID) :

Experience :

Teaching : _____ years

Others (Specify) : _____ years

GPAY paid Date :

Need Accommodation: YES/NO

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator in case I am unable to attend the course.

Place:

Date: Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr/Ms/Dr _____

is an employee of our Institute / Organization and is hereby sponsored. He/She will be permitted to attend the programme in full, if selected.

Place: Signature of the Sponsoring Authority
Date: Office Seal

Application form completed in all respects is to be sent to

Dr. T. Abirami

Associate Professor

Department of Information Technology

Kongu Engineering College

Perundurai, Erode-638 060, Tamilnadu

Mobile: 9788654804

Email id: abi@kongu.ac.in

ABOUT THE COLLEGE

Kongu Engineering College, a leading research oriented institution with excellent facilities, is run by Kongu Vellalar Institute of Technology Trust and was established in the year 1984. The Programmes of the institute are accredited by NBA and the institute is accredited by NAAC with A++ grade. It is an autonomous institution affiliated to Anna University, Chennai. It consists of 167 acres of land richly endowed with beautiful Greenland. The college has completed 40 years of dedicated and excellent service to the people of India and abroad in the field of Technical Education. The college offers 17 UG Programmes, 7 PG Programmes and 16 Research Programmes in Engineering, Applied Sciences and Management. The National Institutional Ranking Framework (NIRF) of the Ministry of Education has ranked Kongu Engineering College with in the band of 101 to 150 in engineering category for the year 2023. Kongu Engineering College also participated in 2023 NIRF Innovation ranking and is positioned in the band of 51 to 100 under this category. The institution has established Technology Business Incubator (TBI) supported by Department of Science and Technology, Government of India in its campus. TBI@KEC has won the National Award, for the best TBI in India, presented by President of India. The institution has received research grants amounting to Rs. 31.64 Crores from various funding agencies like AICTE, UG, DST, SIR, DIT, MNRE, ICSSR etc and has also executed industrial consultancy work to the tune of around Rs.7.11 Crores

ABOUT THE DEPARTMENT

The Information Technology department occupies a prominent place in the chronicles of its academic history in Kongu Engineering College since 1998. The department has been consistently producing illustrious Engineering graduates of high caliber who occupy prestigious positions in the academic and industrial fields. The department offers B.Tech. programme and Ph.D. The department has also been carrying out many consultancy activities to industries. Besides teaching, the department is actively involved in research and conducting training programmes for students and practicing Engineers.

ABOUT THE LOCATION

The college is situated at Perundurai on the National Highway (NH 47) about 80 km from Coimbatore and 17 km from Erode. It is well connected by air, road and rail.



TECHNICAL ANNOUNCEMENT BROCHURE

WORKSHOP ON “Statistical & Machine Learning Techniques”

30.05.2024 & 31.05.2024

Coordinators

Dr. R.Thangarajan

Dr.P.Natesan

Professor

&

Dr. T. Abirami

Associate Professor

Organized by
Department of Information Technology
&
Industry Institute Partnership Cell
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