

SPONSORSHIP CERTIFICATE

Certified _____ that
Mr./Mrs./Dr.

.....
is an employee of our institution and is hereby
sponsored for the QIP sponsored Short Term
course on *“Introductory Course on Machine
Learning”* at TKM College of Engineering,
Kollam – 691005.

Mr./Mrs./Dr.
.....
will be permitted to attend the full
programme if selected.

Name and Signature of
the Head of the Institution

College Seal

Place:.....
Date:.....

HOW TO APPLY

Application forms in the prescribed format duly filled up in all respects, along with the sponsorship certificate from the head of the institution, should reach the coordinator before the last date. Applications received after the declared date will not be considered.

WHO CAN APPLY

This course is intended for the faculty members of all engineering disciplines. Number of seats are limited. Participants may submit an advance copy through email to the co-ordinators.

COURSE FEE

No registration fee will be charged for participants from government and self financing education institutions approved by AICTE. Boarding and lodging will be provided as per the requirement. All faculty attending the course in full are eligible for TA/DA as per AICTE norms.

IMPORTANT DATES

Last date for submission of application form
16th January 2019

Intimation of selection (through email/phone)
18th January 2019

ADDRESS FOR COMMUNICATION

The Co-ordinator
“Machine Learning”
Department of Mechanical Engineering
T.K.M. College of Engineering
Kollam, Kerala - 691 005
Telephone (O) : 0474 - 2712024

FOR MORE DETAILS CONTACT

Prof. Rizwan Rasheed
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rizwan@tkmce.ac.in

Prof. Faraz P. Junaid
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farazjunaid.87@gmail.com

TKM COLLEGE OF ENGINEERING

KOLLAM , KERALA - 691005



QIP SHORT TERM COURSE ON INTRODUCTORY COURSE ON MACHINE LEARNING

JANUARY 21ST TO 26TH - 2019

CO-ORDINATORS

Prof. RIZWAN RASHEED
Prof. FARAZ P. JUNAID

ORGANISED BY

DEPARTMENT OF MECHANICAL ENGINEERING

QIP SPONSORED PROGRAMME



ABOUT THE COLLEGE

Thangal Kunju Musaliar College of Engineering, TKMCE, was established in the year 1958 as the first grant-in-aid engineering college in the state of Kerala accredited with A grade by NAAC. Started with three branches and 120 students, the college now admits more than 800 students in the 8 under graduate programmes. The college also offers post graduate programmes in engineering, management and computer applications. Right from the beginning the college has been a trend setter in the field of technical education in Kerala by setting and maintaining very high standards in education with main focus on the all round development of students.

ABOUT THE DEPARTMENT

The Mechanical Engineering Department has carved a niche for itself by offering the most competent instructional programmes to the students. In addition to the 2 UG Programmes (Mechanical Engg. and Production Engg.), the department is conducting a PG programme on Industrial Refrigeration and Cryogenic Engineering. The Department is an approved research centre for Phd of University of Kerala and APJ Abdul Kalam Technological university. The UG Programme in Mechanical Engineering is accredited by NBA for 6 years. The Department has research and consultancy interaction with organizations like Indian Space Research Organisation (ISRO), Indian Institute of Science (IISc), Bangalore, Karlsruhe Institute of Technology Germany, University of Twente Netherlands, Kookmin University-South Korea etc.

ABOUT KOLLAM

God's own country Kerala, has plenty of places that are of historical and tourist interest. To the north of Thiruvananthapuram comes the district of Kollam. Considered as the gateway to the backwaters of Kerala, the district takes the credit for being the hub of the country's cashew trading and processing industry. It was formerly a renowned trading point for spice. The district is a leading centre for fishing in Kerala and is home to the largest fresh water lake in Kerala-Sasthamcota. A boat cruise starting from the Ashtamudi backwaters in Kollam to backwater networks in the adjoining district of Alappuzha and further, is a delightful experience.

ABOUT THE COURSE

Machine learning is an application of Artificial Intelligence which gives the system an ability to automatically learn and improve themselves without being explicitly programmed. It is used to develop every applications, that are used in our daily life. This course aims at giving the faculties irrespective of their trade, an insight into the basic concepts of machine learning.

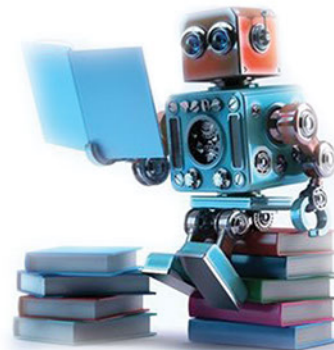
The sessions will be handled by the experts from academic and technical streams. The course will introduce the applicants to the world of Machine Learning and its applications. The course also aims at giving some hands on experience in this field.

COURSE CONTENT

- Mathematical Fundamentals for Machine Learning
- Introduction to Machine Learning
- Supervised and Un-supervised Networks
- ANN and Fuzzy Logic
- Genetic Algorithm
- Support Vector Machine
- Reinforcement Learning
- Deep Learning

HANDS-ON TRAINING SESSIONS

- INTRODUCTION TO MATLAB PROGRAMMING
- OPTIMISATION TOOL BOX
- ANN TOOL BOX
- FUZZY TOOL BOX
- SVM LIBRARY
- INTRODUCTION TO PYTHON PROGRAMMING
- INTRODUCTION TO R PROGRAMMING



QIP SPONSORED SHORT TERM COURSE ON

INTRODUCTORY COURSE ON MACHINE LEARNING

JANUARY 21 to 26 - 2019

REGISTRATION FORM

1. Name (In block letters):

2. Age:.....

3. Sex.: Male/Female

4. Designation:

5. Name of the Institution/Organisation:.....

6. Address for communication:.....

7. Contact No:.....

8. Email:

9. Specialisation:

10. Experience:.....

CERTIFICATE

Certified that the information furnished above is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the conduct of the programme.

Place:

Date:

Signature of the Applicant