

DECLARATION BY APPLICANT

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the QIP Programme. I shall attend the programme for the entire duration.

Place:

Date:

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Certified that Dr/Mr./Ms -----
is an employee/Research Scholar of our institution and is sponsored to attend the QIP-STC on Machine Learning in Data Science: Tools, Techniques and Challenges. He/She will be permitted to attend the course fully, if selected.

Place:

Date:

Signature of the Sponsoring Authority with seal

Address for Correspondence

**Dr. M. THIRUMARAN &
Dr. N. SIVAKUMAR**

Coordinators-QIP

Department of Computer Science & Engineering,

Pondicherry Engineering College,

Pillaichavady, Puducherry - 605 014

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ABOUT PUDUCHERRY

Heritage is one of the most precious gifts, Puducherry offers to its tourists and visitors. The coastal town of Puducherry with the French ambience is known for the serene atmosphere. The great poet Subramaniya Bharathi, Bharathidasan, Sri Aurobindo are some of the legends associated with Puducherry. Sri Aurobindo Ashram, Auroville, Bharathi Park, Ousteri lake, Chunambar boat house, Botanical Garden, Manakula Vinayagar Temple, and Arikamedu (archaeological importance) are some of the major tourist attractions of Puducherry.

ABOUT THE INSTITUTION

Pondicherry Engineering College (PEC) is an autonomous institution started in the academic year 1985-86 under the seventh plan is promoted and fully funded by the Government of Puducherry. Ever since its inception, the college has registered speedy progress and it now offers eight undergraduate, thirteen post graduate courses, and PhD programmes in all branches of Engineering and basic Sciences. The college has been granted funds by NPIU under TEQIP Phase II. PEC is ranked 53 in Engineering Category by NIRF India Rankings 2018. The college is situated at Pillaichavady, about 12 Km from Puducherry town and about 150 Km from Chennai along the scenic beauty East Coast Road (ECR) on the shores of the Bay of Bengal.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering (CSE) was established during the inception of the college. The Department offers B.Tech (CSE), MCA, two M.Tech programmes with specializations on Distributed Computing Systems and Information Security and Ph.D programme.



**AICTE - QIP SPONSORED
SHORT TERM COURSE
ON**

**MACHINE LEARNING IN DATA
SCIENCE: TOOLS, TECHNIQUES
AND CHALLENGES**

MARCH 18th - 23rd, 2019

COORDINATORS

**Dr. M. THIRUMARAN
&
Dr. N. SIVAKUMAR**



Organized by

Department of Computer Science & Engineering
Pondicherry Engineering College
(An Autonomous Institution of Govt. of Puducherry)
Pillaichavady, Puducherry - 605 014
Website : www.pec.edu
Fax : 0413 - 2655101

PREAMBLE

Machine learning is the ability given to a system to learn and process data sets autonomously without human intervention. This is achieved through simple and complex algorithms and techniques like supervised and unsupervised learning. Machine learning has been used in a number of places like the self-driving Google car, the online recommendation engines – friend recommendations on Facebook, offer recommendations from Amazon, and in cyber fraud detection. Machine learning and data science can work hand in hand. Data science is responsible for bringing structure to big data, searching compelling patterns, and finally advising decision makers to bring in the changes effectively to suit the business needs. Data analytics and machine learning are two of the many tools and processes that data science uses. The outcome of this program is to understand the fundamental issues and challenges of machine learning and also able to design and implement various machine learning algorithms in a range of real-world applications.

COURSE CONTENTS

- The Machine Learning (ML) Process
- Machine Learning Algorithms
- Applying Machine Learning for Data Science
- Developing Big Data Solutions using ML
- Deep Learning
- Common platforms and tools for Data Science
- Data Visualization
- Probability and Statistics for Data Science
- Data Science using – R and Python
- Data Analytics
- Business Analytics

RESOURCE PERSONS

Faculty of Pondicherry Engineering College, Guest Faculty from reputed institutions and experts from R&D organizations.

ELIGIBILITY

Faculty Members belonging to departments of AICTE approved institutions/ polytechnics are eligible to attend the short term course. The number of seats is limited to 45 (30 - external and 15- internal).

TA/DA & ACCOMMODATION

TA/DA will be paid to the participants as per QIP norms. Working lunch, tea and refreshments will be provided to all the participants. Free accommodation will be provided to the selected outstation participants in the student's hostel on twin sharing basis upon request.

COURSE FEE

Participants are required to submit an amount of Rs.1000/ as DD in favour of "The Principal, PEC" as caution deposit. The same shall be returned on successful completion of the course. Participants from industries have to pay a course fee (non-refundable) of Rs. 10,000/- and must meet the TA and DA from their own organizations.

REGISTRATION

The applicants can submit their duly filled-in registration form (available in www.pec.edu) in the given format. Selected candidates will be informed through e-mail only.

Last date for registration : 05.03.2019
Intimation of selection : 06.03.2019

AICTE - QIP SPONSORED

SHORT TERM COURSE ON

MACHINE LEARNING IN DATA SCIENCE: TOOLS, TECHNIQUES AND CHALLENGES (18.03.2019 to 23.03.2019) REGISTRATION FORM

Name: Dr./Mr./Ms:-----

Academic Qualification: -----

Designation/Dept:-----

Years of Teaching Experience: -----

Area of Specialization: -----

Phone/Fax: -----

E-mail:-----

Address: -----

PIN code: -----

Is the institution approved by AICTE? Yes/No

Need accommodation: Yes/No

Signature of the Applicant

Forwarded by (Head of the Institution)