

Eligibility

- Engineering / Polytechnic College Faculty
- FT/ PT Research Scholars
- **Number of Participants Limited to 80**
- UG/PG Students
- Engineers from Industries

Selection will be based on first come first serve basis.

Registration Fee & Accommodation

| | |
|-----------------------------------|------------|
| Students / Research Scholars (FT) | Rs. 1500/- |
| Faculty / Research Scholars (PT) | Rs. 3000/- |
| Industry Participants | Rs. 6000/- |

- Registration Fees includes cost towards course material, working lunch, refreshments and Service Tax.
- Accommodation shall be arranged in College hostels on payment basis

Course Contents

- Introduction to Machine Learning
- Machine Learning for Engineers
- Broad Categories of Machine Learning Algorithms
- Machine Learning Algorithms – Analysis
- Machine Learning process
- Unsupervised Learning Techniques
- Supervised Learning Techniques
- Ensemble Learning
- Machine learning tools/Frameworks
- Hands-on session using Python
- Applications of Machine Learning using Python
- Machine learning use cases for Engineers

Registration

Registration for Workshop can be made by sending the duly filled application form along with Demand Draft drawn in favor of **PSG CNCE payable at Coimbatore**

The applicants should send their applications in the specified format through their Principal or Head of the Department so as to reach us on or before **05.03.2019**.

The duly filled application form is to be sent to:

Dr. L. Ashok Kumar
Professor & Associate HoD Department of EEE
PSG College of Technology
Peelamedu, Coimbatore - 641004
Mobile : 98432 81115

The details of this workshop are available in the website www.psgtech.edu

PSG College of Technology, Coimbatore

Department of Electrical & Electronics Engineering

Two Day International Hands-on Workshop on

Machine Learning For Engineers

in Association with  **KloudLogic Inc**, Texas, USA

12 - 13 April 2019



Convener

Dr. M. C. Bhuvaneshwari

Organizing Secretaries

Dr. L. Ashok Kumar

Dr. S. Sumathi

Coordinators

Dr. P. Sivakumar

Dr. D. Janaki Sathya



Department of Electrical and Electronics Engineering

PSG College of Technology

Coimbatore 641 004, Tamilnadu

www.psgtech.edu

About the College

PSG College of Technology, started in the year 1951, is an autonomous college for the past 33 years, offering 22 undergraduate programmes and 37 postgraduate programmes. It also offers research programmes leading to MS/Ph.D. degrees in all departments. Currently more than 520 research scholars, both full time and part time, are working for their Ph.D. degree.

PSG College of Technology, an AICTE approved institution is affiliated to Anna University, and is ISO 9001 certified. PSG College of Technology believes in creating and disseminating knowledge and skills in core and frontier disciplines through innovative educational programmes, industrial training, research & consultancy and developing a new cadre of professionals with a high level of competence, deep sense of social commitment and ethics.

About the EEE Department

The Department of Electrical and Electronics Engineering (EEE) has been playing a vital role in producing scientists and technologists of highest caliber ever since it was established in the year 1951. The department offers UG (Regular and Sandwich) programmes, PG programmes (Applied Electronics, Power Electronics & Drives, and Embedded & Real-Time Systems), and Ph.D. programmes. The department has Centres of Excellence namely,

- PSG-DANFOSS Centre of Excellence in Climate and Energy.
- PSG-LAPP Centre for Excellence in Cable Technology.
- PSG-L&T Centre for Excellence in LV Switchgear.
- PSG Cares Centre for Industrial Cyber Physical System Research.
- PSG Trident Centre for Alternate Cooling Technologies.
- PSG-PROSUN Centre for Excellence in Solar PV systems.
- Audio-Processing Centre.
- AICTE sponsored Wind Emulator Laboratory.

ORGANIZING COMMITTEE

Chairman

Dr. R. Rudramoorthy
Principal, PSG College of Technology

Convener

Dr. M. C. Bhuvaneshwari
Professor & HoD
Dept. of EEE

Organizing Secretaries

Dr. L. Ashok Kumar
Professor & Associate HoD
Dept. of EEE

Dr. S. Sumathi
Professor, Dept. of EEE

Coordinators

Dr. P. Sivakumar
Assistant Professor, Dept. of EEE

Dr. D. Janaki Sathya,
Assistant Professor, Dept. of EEE

Speaker Details :

Dr. Suresh V Rajappa, PhD PMP MBA is a seasoned senior IT management consulting professional with 25 years' experience leading large global IT programs and projects in IT Strategy, Finance Transformation Strategy, BI, Data Science projects for clients across diverse industries, generating millions of dollars to top and bottom lines. Successful recruiting and leading onshore/offshore cross-cultural teams to deliver complex enterprise-wide solutions within tight deadlines and budgets. Highly effective at breaking down strategic program/project initiatives into tactical plans and processes to achieve aggressive customer goals. Excel at leveraging strategic partnerships, global resources, process improvements, and best practices to maximize project delivery performance and ROI. Inspirational, solution-focused leader with exceptional ability managing multimillion-dollar P&Ls/budgets and change management initiatives.



About the Workshop

Recent applications of machine learning have exploded due to reasonably available computational resources as well as wide availability of data. Machine Learning (ML) techniques provides a set of tools that can automatically detect patterns in data which can then be utilized for predictions and for developing models. Developments in ML algorithms and computational capabilities have now made it possible to scale engineering analysis, decision making and design rapidly. This, however, requires an engineer to understand the limits and applicability of the appropriate ML algorithms. This workshop aims to provide a broad overview of modern algorithms in ML, so that engineers may apply these judiciously. Towards this end, the workshop will focus on broad heuristics governing basic ML algorithms in the context of specific engineering applications. Students will also be trained to implement these methods utilizing open source packages such as Python.





PSG COLLEGE OF TECHNOLOGY, Coimbatore
DEPARTMENT OF EEE

Two Day International Hands-on Workshop on

Machine Learning For Engineers

in Association with  KloudLogic Inc, Texas, USA

12-13 April 2019

APPLICATION FORM

Name (in Block Letters) :

Qualification :

Designation & Dept. :

Organization :

Address :

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.....

Mobile No. :

Accommodation Required : Yes / No

Email Id. :

Demand Draft No. & Bank:

.....

Amount in Rs. :

DECLARATION

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the course for the entire duration.

Place :

Date :

Signature of the Candidate

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To,



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