

PSG COLLEGE OF TECHNOLOGY

PSG College of Technology, an institution of academic excellence, was founded in the year 1951 by PSG & Sons' Charities Trust. The institution is equipped with latest facilities and excellent infrastructure. The college has signed MoUs with research organizations and industries to promote closer interaction in the areas of technology development, student training, curriculum updation and establishment of state-of-art-centers of excellence. The mission of the institution is to provide world-class engineering education, foster research and development, evolve innovative applications of technology, encourage entrepreneurship and ultimately mould young men and women capable of assuming leadership of the society for the betterment of the country.

ABOUT THE DEPARTMENT

The Department of Biomedical Engineering was established in the year 2006 with a vision to in depth knowledge in the area of Electronics and Biomedical Engineering as well as professional skills necessary to face the challenges of the future and enable to find innovative applications of Technology for reaching the goal of Health for all in our Country. The department endeavors to educate students to acquire technical expertise and knowledge in the field of Biomedical Engineering to enable them to communicate and use that

knowledge constructively for the benefit of the society.

ABOUT THE COURSE

Machine learning is the study of computational methods for improving performance by mechanizing the acquisition of knowledge from experience. Expert performance requires much domain-specific knowledge, and knowledge engineering has produced hundreds of AI expert systems that are now used regularly in industry. Machine learning aims to provide increasing levels of automation in the knowledge engineering process, replacing much time-consuming human activity with automatic techniques that improve accuracy or efficiency by discovering and exploiting regularities in training data. The ultimate test of machine learning is its ability to produce systems that are used regularly in industry, education, and elsewhere.

COURSE FEE (Inclusive of Service Tax)

UG/PG Students/ Research Scholars : Rs. 1500/-
Faculty from academic institution : Rs. 2000/-

The course fee includes refreshments and lunch.

PSG COLLEGE OF TECHNOLOGY COIMBATORE-641 004

*Two days National Workshop on
Machine Learning & Industrial
Applications*
28-29 Sep , 2018

Name: _____

Designation: _____

Department: _____

Name of the Institution: _____

Address: _____

Email: _____

Mobile: _____

Details of Registration

Amount: _____

DD No. & Date: _____

Bank: _____

Date:

Signature

COURSE CONTENTS

Topics to be covered:

- Basics of Machine Learning: Classification & Regression
- Unsupervised Learning: Clustering using Hierarchical & Markov methods
- Neural Networks
- Use-cases of Clustering, Regression, Classification
- Introduction to Scikit-learn and other python-based packages
- Convolutional Neural networks
- Deep learning Applications in Medical Imaging – Ultrasound.
- Introduction to Deep Learning libraries – Keras & Theano

RESOURCE PERSON

Dr. Sahana Prabhu, Data Scientist (specialist)
Robert Bosch Engineering & Business Solutions
Bengaluru, Karnataka, India.

ELIGIBILITY

Faculty members and Research scholars, UG/PG students interested in the field of machine learning.

CHAIRMAN

Dr. R. Rudramoorthy
Principal, PSG College of Technology

CONVENOR

Dr. R. Vidhyapriya
Professor & Head
Department of Biomedical Engineering, PSGCT

COORDINATOR

Dr. D. Brindha, Assistant Professor (Sl.Gr)
Department of Biomedical Engineering, PSGCT

REGISTRATION DETAILS

A maximum of 30 participants are permissible on first come first serve basis. The participants shall pay the Registration Fee through a **Demand Draft** drawn in favor of “**PSG CNCE**”, payable at Coimbatore on or before 20.09.2018. The applicants shall send the filled up registration form and the demand draft to the following address:

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