RESOURCE PERSONS

Experts from industry, hospital and educational institutions like IIT, PSG will be handling the sessions.

COURSE CONTENTS

- Research issues in early cancer detection
- Micro array analysis using machine learning techniques
- Machine learning for prediction of primary immuno deficiency disease genes
- Deep learning in cancer Detection
- Hands on – Tensorflow, Predictive analytics model development

ELIGIBILITY

This workshop is open to all Engineering (UG / PG) students, Research scholars, Faculties and Industrial participants.

REGISTRATION FEES

Students / Research Scholars : Rs. 500/-
Faculty / Industry participants : Rs.1000/-

The participants shall pay the Registration Fee through a **Demand Draft** drawn in favor of **"PSG CNCE"**, **payable at Coimbatore.**

ORGANIZING COMMITTEE

CHIEF PATRON
Shri. L. Gopalakrishnan
Managing Trustee

PATRON
Dr. R. Rudramoorthy
Principal

CONVENOR
Dr. K. Umamaheswari,
Professor & Head, Dept. of IT

COORDINATORS
Dr. R. Rekha
Assistant Professor (Sl. Gr), Dept. of IT

Ms. V. P. Brintha
Assistant Professor , Dept. of IT

ADDRESS FOR COMMUNICATION

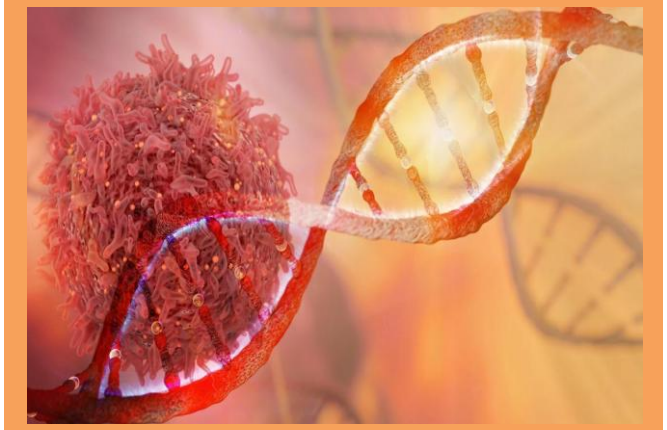
The applicants shall send the filled up registration form and the demand draft to the following address on or before 01.07.2018.

Dr. R.Rekha
Assistant Professor (Sl. Gr)
Department of Information Technology
PSG College of Technology
Peelamedu, Coimbatore 641 004
Email: rekha.psgtech@gmail.com
Mobile: 9842163683

ICMR Sponsored National Level Workshop on

Empowering Oncology Research using Deep Learning Techniques

9th – 10th July, 2018



Organized
by

Department of Information Technology
PSG College of Technology
Coimbatore 641 004
Phone: 0422-2572177, 2572477
www.psgtech.edu

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 Information Technology was established in the year 1999 with a vision to develop quality engineers to meet the current needs in the emerging world of IT. The department endeavors to educate students to acquire technical expertise and knowledge in the field of Information Technology to enable them to communicate and use that knowledge constructively for the benefit of the society. The department offers one under graduate programme in Information Technology and two post graduate programmes in Information Technology and Biometrics & Cyber security.

ABOUT THE WORKSHOP

Early cancer detection and prognosis is one of several important health care areas where machine learning techniques have been used enormously. Cancer detection from gene expression data continues to pose a challenge due to the high dimensionality and complexity of these data. After decades of research there is still uncertainty in the clinical diagnosis of cancer and the detection of tumour-specific markers. Deep learning has been applied in many fields and has the potential to obtain good accuracy for the diagnosis of various types of cancers, as it has been persistently improving the state of art in drug discovery.

Deep learning, a subset of machine learning, utilizes a hierarchical level of artificial neural networks to carry out the process of machine learning. The use of deep learning in oncology increases the chances that one day, machines may help researchers find a coveted cure and prevention methods for cancer. This workshop aims at exploring the use of deep learning to assist in the early detection of cancer and drug discovery. In this context, the workshop would aid in establishing a forum to exchange ideas, discuss practices, raise awareness, and share experiences among researchers and practitioners in the field of medicine, computer science and biomedical engineering. This workshop will also motivate professionals and research scholars to pursue research in this area and aid in improved diagnosis as well drug discovery from a healthcare perspective.

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9th – 10th, July 2018

Organized by: Department of IT,
PSG College of Technology,
Coimbatore – 641004.

REGISTRATION FORM

Name: _____

Designation:_____

Department:_____

Name of the Institution:_____

Address: _____

_____

Email: _____

Mobile: _____

Accommodation Required: Yes / No

Details of Registration

Amount: _____

DD No. & Date: _____

Bank:_____

Date:

Signature