

REGISTRATION FORM

**Five Days Seminar on
Deep Learning Techniques in
Health care Applications**

May 13-17, 2019

Name :
Gender : Male / Female
Designation :
Department :
Institution :
Educational
Qualification :
Address for
Communication :

Pincode :
Mobile :
E-mail id :
DD No. : Date:
Name of Bank: Amount ₹ :
Lunch Details : Veg NV
Accommodation required : Yes No
Signature of the Applicant Signature of the HOD /
Head of the Institution

Registration form can be photocopied / downloaded from our website.

Book Post

To

From

Mrs.M.S.Bhuvanewari, AP (Sr.Grade)/CSE,
The Co-ordinator,

Five Days Seminar on Deep Learning Techniques
in Health care Applications
Department of Computer Science and Engineering
Mepco Schlenk Engineering College (Autonomous)
Mepco Engg. College Post
Sivakasi - 626 005

**Five Days Seminar
on
Deep Learning Techniques in
Health care Applications**

May 13 - 17, 2019

Convener

**Dr.K.Muneeswaran
Sr.Prof. and Head/CSE**

Co-ordinators

**Mrs.M.S.Bhuvanewari, AP(Sr.Grade)/CSE
Mr.B.Lakshmanan, AP(Sr.Grade)/CSE**



Organised by

Department of Computer Science and Engineering

**Mepco Schlenk Engineering College
Sivakasi (Autonomous)**

Mepco Engg. College Post

Sivakasi - 626 005

Virudhunagar District, Tamil Nadu

Website : www.mepcoeng.ac.in

ABOUT THE INSTITUTION

Mepco Schlenk Engineering College (MSEC) is one of the leading private engineering colleges under self financing scheme. The college was established in the year 1984 by Mepco Schlenk Charities founded by the Metal Powder Company Ltd., Tirumangalam, Madurai District.

SALIENT FEATURES

- The College has been accredited by the National Assessment and Accreditation Council (NAAC) with A Grade.
- All the UG engineering programmes have been accredited by the National Board of Accreditation (NBA), New Delhi, under Tier-I category.
- The college is ISO 9001:2015 certified.
- The institution got 5th rank at National level in Top Engineering Colleges of Eminence category in the CSR - GHRDC Engineering Colleges Survey (June 2017).
- The college is ranked at position in 26th position in "Top 100 Private T-Schools-2018" in India by DataQuest Survey, June 2018
- The college is ranked at 29th position among top 100 Engineering colleges at National level including IIT & NITs by Outlook Survey, June 2018.

CAMPUS

The College is situated about 60km from Madurai, the Temple city and is situated midway between Virudhunagar and Sivakasi by road. It is about 16km from Virudhunagar and 12km from Sivakasi. Buses ply between Virudhunagar and Sivakasi via the College. The nearest railway stations are Sivakasi and Virudhunagar.

ABOUT THE DEPARTMENT

The department was started in 1987, and it has grown excellently in academic and research work. The department is also offering M.E. in Computer Science and Engineering since 1999. CSE department is recognized as research center by Anna University. The department is equipped with the state of art computing and Internet facilities and supported by experienced and well-qualified faculty members. More than 80% of the students have been recruited by the leading IT organizations in Campus Interview. The department faculty members are currently doing research on Image Analysis, Medical Image processing, Biometric processing, Distributed systems, Network Security, Grid computing, Machine Vision and Data Mining. Three focus groups on Data Science, IoT and Cyber Security are actively functioning in the department.

SEMINAR SCOPE

Deep Learning is a branch of machine learning that is based on algorithms for learning multiple levels of representation in order to model complex relationships among data. It is in the intersections among the research areas of neural networks, graphical modelling, optimization, pattern recognition and signal processing. The researchers have demonstrated their success in diverse applications of computer vision, information retrieval and analysis of molecules that may lead to discovery of new drugs. Recently, more workings are coming up in the area of medical image processing and diagnosis due to the advancements in chip processing abilities and algorithms.

Deep learning techniques can be applied to enhance intelligent support to command decision-making, AI-enabled data analysis, information processing and intelligence analysis.

Keeping this popularity and applicability in mind, this seminar focuses on introduction to deep learning, various deep learning algorithms like CNN, RNN, DBN, Markov chain, Deep Boltzmann machine and Autoencoders, tools like MATLAB deep learning toolbox, free open source tools like Pytorch, Tensorflow, CUDA, Caffe, Theano and Keras.

SEMINAR OBJECTIVES

- To identify appropriate deep learning algorithms for a specific domain.
- To apply the deep learning techniques for solving real world problems in medical fields.
- To reduce the computational time complexity through parallel processing.
- To build deep learning community

COURSE CONTENTS

- Introduction to Deep Networks and Convolutional Neural Networks
- Auto encoders and its Applications
- Recurrent Neural Networks and Sequence Modelling
- Deep Learning Toolbox (Tensorflow)
- Deep Learning Tool Box (Keras) Installation and Model creation
- Deep Learning for Medical Image Processing

RESOURCE PERSONS

All lectures/Session will be delivered by Expert Resource Persons

WHO CAN ATTEND

Faculty Members, Research Scholars and UG/PG Students from Engineering / Arts and Science colleges and Industry personals. Maximum Number of participants is limited to 35 and selection will be made on first come first serve basis.

REGISTRATION FEE

- ❖ Demand Draft should be drawn in favour of "Mepco Schlenk Engineering College" payable at Sivakasi.
 - For Faculty Members : ₹ 1500/-
 - For Research Scholars, UG & PG Student : ₹ 1000/-
 - For Industrial Participants : ₹ 2000/-
- ❖ Lunch, Snacks and Registration kit will be provided to all the participants.
- ❖ Accommodation will be provided within the college campus on request at a nominal charge of ₹ 100/- per day.

HOW TO APPLY

- ❖ Scanned copy of the filled registration form along with Demand Draft shall be emailed to deeplearning_cse@mepcoeng.ac.in.
- ❖ Registration form can be downloaded from our website.

IMPORTANT DATES (on or before)

Last date for receiving Registration form and DD : **04.05.2019**
Intimation of Selection : **08.05.2019**

ORGANIZING COMMITTEE

Dr. S. Arivazhagan, Principal & Patron
Dr. K. Muneeswaran, Sr.Prof. & Head / CSE, Convener
Mrs. M.S.Bhuvaneshwari, AP(Sr.Grade) / CSE, Co-ordinator
Mr. B. Lakshmanan, AP(Sr.Grade) / CSE, Co-ordinator

CONTACT

The Co-ordinator,
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