

REGISTRATION FORM

**Five Days Workshop on
Data Analytics with NLP for
Health Care Applications**

March 23-27, 2020

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.S.Amutha, AP (Sr.Grade)/CSE,
The Co-ordinator,
Five Days Workshop on Data Analytics with NLP for
Health Care Applications
Department of Computer Science and Engineering
Mepco Schlenk Engineering College (Autonomous)
Mepco Engg. College Post
Sivakasi - 626 005

**Five Days Workshop
on
Data Analytics with NLP for
Health Care Applications**

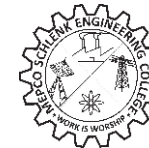
March 23 - 27, 2020

Convener

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

Co-ordinators

**Mrs.S.Amutha, AP(Sr.Grade)/CSE
Mrs.S.Santhi, AP(Sr.Grade)/CSE
Mr.N.Umakanth, 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 and PG programme (ME-PED, ME-CS, ME-CSE and MCA) have been accredited by the National Board of Accreditation (NBA), New Delhi, under Tier-I category.
- The college is ISO 9001:2015 certified.
- Ranked 88th among all Engineering Colleges and Universities in India in the NIRF Survey released by MHRD for the year 2019.
- All departments are recognized as research centre for pursuing Ph.D. / M.S. by Anna University, Chennai.
- Undertaken 123 sponsored Research Projects, worth of more than Rs.12 crores from IGCAR, ISRO, DRDO, DRDL, CSIR, DST, AICTE, TNSCST, MNES, MSME, BRNS, ARDB, MEPCO etc

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.

WORKSHOP SCOPE

In recent decades, the science and engineering professions have been heavily influenced by their responsibilities to the society. This responsibility has been directed towards the protection of public health and welfare. Data analytics is the science of analyzing raw data in order to take decisions from the information. Many tools have emerged with various functionalities for the medical applications like R programming, Python, Tableau, SAS, QlikView, RapidMiner, Apache Spark etc,. The applications of data analytics in healthcare has a lot of positive and also life-saving outcomes. Healthcare analytics have the potential to reduce costs of treatment and avoids preventable diseases which leads to the healthy life.

Natural language processing (NLP) plays a vital role in information era and it is a medium of interaction between humans and computers via computer science and artificial intelligence. Applications of NLP are everywhere such as language translation, speech recognition, sentiment analysis, web search, advertisement, emails, customer service, etc. There are huge variety of essential tasks and machine learning models powering these NLP applications. Recent approaches to NLP are based on supervised and unsupervised deep learning, a type of artificial intelligence that examines data and achieve high performance across different NLP tasks. In this workshop, we mainly focus on recent tools and techniques for natural language processing with data analytics in healthcare applications.

COURSE CONTENTS

- Data Analytics and its Statistical Methods
- Data Analytics tools Python, R Programming with Hands-on
- Machine Learning and Deep Learning
- Supervised and Unsupervised Learning Algorithms in Data Analytics with Hands-on
- Convolutional Neural Network and Deep Belief Network with Hands-on
- Natural Language Processing
- Recent NLP tools with Hands-on
- Sentiment Analysis in Health Care
- Data Analytics in Health Care
- NLP Applications with Hands-on

RESOURCE PERSONS

All lectures/Session will be delivered by Expert Resource Persons from premier Institutions and Industries.

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 : ₹ 1000/-
 - For Research Scholars, UG & PG Student : ₹ 750/-
 - For Industrial Participants : ₹ 1500/-
- ❖ 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 ₹ 150/- per day.

HOW TO APPLY

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

IMPORTANT DATES (on or before)

Last date for receiving Registration form : 16.03.2020
and DD
Intimation of Selection : 19.03.2020

ORGANIZING COMMITTEE

Dr. S. Arivazhagan, Principal & Patron
Dr. K. Muneeswaran, Sr.Prof. & Head / CSE, Convener
Mrs. S.Amutha, AP(Sr.Grade) / CSE, Co-ordinator
Mrs. S. Santhi, AP(Sr.Grade) / CSE, Co-ordinator
Mr. N. Umakanth, AP(Sr.Grade) / CSE, Co-ordinator

CONTACT

The Co-ordinator,
Workshop on Data Analytics with NLP for Health Care Applications
Department of Computer Science and Engineering
Mepco Schlenk Engineering College (Autonomous)
Mepco Engg. College Post - 626 005
Sivakasi, Virudhunagar Dist.

Phone : 04562 - 235373, 235385, 235350 Fax:04562-235111
Mobile : 9789062455 / 9080420378 / 7708062472
Web : www.mepcoeng.ac.in
e-mail : cse@mepcoeng.ac.in