

EVENT SCHEDULE

14 July 2018

8.00-9.00	Registration
Session 1 9.00-11.00	Motivation Foundations and Terminology of Deep Learning
Session 2 11.30-1.30	Machine Learning Basics Linear Regression, Logistic Regression Gradient Descent
Session 3 2.15-4.00	Designing & Optimizing Neural Network Model Building Deep Models and Hyperparameter Tuning
Session 4 4.30-6.30	Deep Learning Hacks System/project level tricks and regularization strategies

15 July 2018

Session 1 9.00-11.00	Convolutional Neural Network Computer Vision with CNNs
Session 2 11.30-1.30	Recurrent Neural Network Sequence Modelling with RNNs, Autoencoders, generative modelling in Deep Learning
Session 3 2.15-4.00	Advanced Learning Topics Hands-On Labs
Session 4 4.30-6.30	Assessment Test

16 July 2018 - NVIDIA Deep Learning Institute Hands on Labs

The NVIDIA Deep Learning Institute offers hands on training for developers, data scientists and researchers challenging problems with deep learning

09:00 - 11:00	Image Classification with DIGITS (lab)
11:00 - 1:00	Object Detection with DIGITS (lab)
2:00 - 4:00	Neural Network Deployment with DIGITS and TensorRT (lab)

CHIEF PATRONS

Sri Ch.Malla Reddy, Chairman, CMRGI
Sri Ch.Narasimha Reddy, Vice-Chairman, CMRGI
Sri.Ch. Gopal Reddy, Secretary & Correspondent, CMRGI

PATRONS

Sri.Ch. Bhoopal Reddy, Member, CMRGI
Sri.Ch. Srisailam Reddy, Member, CMRGI

CONVENERS

Major Dr. V A Narayana, Principal, CMRCET
Dr K Vijaya Kumar, HOD CSE, CMRCET

COORDINATORS

Dr Md. Dilshad Ansari, Assistant Professor, CMRCET
Mr S. Siva Skandha, Assistant Professor, CMRCET

Three Day Workshop on AI & Deep Learning



in Association with



BENNETT
UNIVERSITY
TIMES OF INDIA GROUP



14th July – 16th July, 2018

CMR College of Engineering & Technology
(Autonomous)

Accredited by NAAC with 'A' Grade ,
All B.Tech programs Accredited by NBA



ABOUT COLLEGE

CMR College of Engineering & Technology (CMRCET) is sponsored by MGR Educational Society, which was established in 2002. The College is situated 20 Km away from Secunderabad Railway Station on Hyderabad - Nagpur National Highway (Medchal Road), Telangana, India. The college is located in 10 acres of serene environment which is lush green and free of pollution.

- Ψ UGC Autonomous Institute.
- Ψ Accredited by NAAC with 'A' grade.
- Ψ All B.Tech Programs accredited by NBA.
- Ψ Approved By AICTE
- Ψ Permanently Affiliated By JNTUH

ABOUT WORKSHOP

In recent years, there's been resurgence in the field of Artificial Intelligence. It's spread beyond the academic world with major players like Google, Microsoft, and Facebook creating their own research teams and making some impressive acquisitions. Some this can be attributed to the abundance of raw data generated by social network users, much of which needs to be analyzed, as well as to the cheap computational power available via GPUs. But beyond these phenomena, this resurgence has been powered in no small part by a new trend in AI, specifically in machine learning, known as "Deep Learning". In this workshop, we will introduce you to the key concepts and algorithms behind deep learning, beginning with the simplest unit of composition and building to the concepts of machine learning with neural networks.

OBJECTIVE

It is a noble initiative take by Bennett University to enable yourself, your institution, students and community around you with AI powered innovations and improving India's standing in AI technologies. Additionally, Skilling, launching products and applications, brings new ideas to life, relevant projects, cutting edge research, generation of funds, proactive outreach to Industry and community.

CONTENTS

- Ψ Machine Learning Basics
- Ψ Designing & Optimizing Neural Network Model
- Ψ Deep Learning Hacks
- Ψ Convolution Neural Network
- Ψ Recurrent Neural Network
- Ψ Advanced Learning Topics
- Ψ Image Classification with DIGITS (lab)
- Ψ Object Detection with DIGITS (lab)
- Ψ Neural Network Deployment with DIGITS and TensorRT (lab)

HOW TO REGISTER

Registration link is given below

<https://www.leadingindia.ai/register>

REGISTRATION FEE

Academicians/Industry People : 7080 Rupees (Including GST-18%)
Students/IEEE/CSI/ACM Members: 6372 Rupees (Including GST-18%)

Important Dates : **14th July - 16th July, 2018**