

Faculty Development Program (FDP) on Deep Learning (12 - 17, November 2018)

in association with E&ICT Academy-NIT Warangal

Venue: Kallam Haranadha Reddy Institute of Technology, Guntur, A.P

Tentative Lecture Schedule

Day& Date	9.30 – 11.30(2 hrs)		11.45 – 13.15(1.5hrs)	14.00 – 15.30(1.5hrs)	15.45 – 16.45(1 hr)
12.11.2018	Registration & inauguration From 8.30 am	Overview of Machine Learning CB	Introduction to Deep Learning CB	Convolution Neural Networks CB	Demos on Deep Learning CB
13.11.2018	CPU Accelerated Computing (OpenMP) CHS		CPU Accelerated Computing (OpenMP) CHS	CPU Accelerated Computing (OpenMP) CHS	Demos on CPU Accelerated Computing CHS
14.11.2018	Overview of GPU Computing -Prog. Environment – NVIDIA, AMD, IBM – OpenPOWER, Intel VCV		Introduction to NVIDIA CUDA/OpenACC VCV	NVIDIA – CUDA Prog. – Code Walk Through; Tensor Flow on GPUs VCV	Demos/ Hands-onNVIDIACUDA/OpenACC& AMD-OpenCL Lib. VCV
15.11.2018	An Overview of NVIDIA Libraries and DL Application Tensor flow Framework VCV		NVIDIA DL Application Framework : Tensor flow CNTK, Caffe&mxnet VCV	DL : Code /Walk Through & DL-Demos using Theano Libraries, Torch framework VCV	DL : Code /Walk Through & DL-TensorflowDemos using Theano Libraries, Caffe framework VCV
16.11.2018	Overview of NVIDIA DIGITS – CuDNN Deep Neural Network Library VCV		High Performance for Deep Learning - NVIDIA DIGITS – GPUs for DNN Performance VCV	High Performance for Deep Learning - NVIDIA DIGITS- Image Classification and Image Segmentation VCV	DL : Code /Walk Through & DL-TensorflowImageNet Case Study VCV
17.11.2018	Implementation of Machine Learning Algorithms Using TensorFlow NB		Implementation of Machine Learning Algorithms Using TensorFlow NB	Implementation of Machine Learning Algorithms Using TensorFlow NB	Assessment Test&Valedictory Function DVS

CHS: DrChSudhakar, NIT, Warangal

DVS: Prof DVLN Somayajulu, Chair, E&ICT Academy, NIT, Warangal

CB: Prof Chakravarthy B, Professor, UoH, Hyderabad

NB: DrS Nagesh Bhatt, NIT, Andhra Pradesh

VCV: Dr V C V Rao, CDAC, Pune