NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET

(AUTONOMOUS)

Kotappakonda Road, Yallamanda (P.O), NARASARAOPET-522 601, Guntur Dist.,
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited by NAAC, Accredited by NBA,
Three Recognized R&D Centres by JNTUK,

Global Winter Course on
Deep Learning and Applications
In
Association with MNIT-JAIPUR

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MNITJ

INVITATION

Date: 02-12-2019.

Sub: A Global Winter Course on **Deep Learning and Applications**– Reg.

Dear Sir/Madam,

We are glad to inform you that our college is organizing a "A Global Winter Course on **Deep Learning and Applications** from **9th Dec, 2019 to 13th Dec, 2019** in association with MNIT – JAIPUR.

We are enclosing a copy of brochure with full details and request you to display it on your notice boards and distributed to your faculty members.

This course is designed to provide an expertise on Deep learning and Applications. Participants will learn the Overview of machine learning, Supervised and unsupervised learning , Artificial Neural Networks, Feed forward Neural networks, Gradient Descent and the back propagation algorithms, Regularization and Optimization. Convolutional Neural Network (CNN), Convolution/Pooling layers, Activation maps, CNN as a feature extractor, Some Standard CNN architectures like AlexNet, VGGNet, GoogLeNet, ResNet and more recent networks Autoencoders (AEs), Undercomplete and Overcomplete AE, Convolutional AE, Regularization, Sparsely regulated AEs, Denoising and Stacked AE. Generative Adversarial Networks (GAN), Variants of GAN. Brief Introduction to Recurrent Neural Networks, LSTM, GRU and their applications in machine translation, language modelling and sentiment classification. Object detection algorithms, R-CNN, Faster R-CNN, YOLO and SSD. Hands on– Object detection with practical sessions.

With Regards,

Dr S.V.N Sreenivasu	Dr. S. N. Tirumala Rao	Dr. M. Sreenivasa Kumar
Professor in CSE	Professor & Head,	Principal
Coordinator	Dept. of CSE	Co-Patron
	Convener	