



# NATIONAL INSTITUTE OF TECHNOLOGY

## ANDHRA PRADESH

### Department of Computer Science and Engineering

## Five Days Online Faculty Development Programme on DEEP LEARNING FOR NLP

23<sup>rd</sup> – 27<sup>th</sup> November 2020

About the FDP and Call for Registration



**Patron**  
**Prof. C.S.P. Rao**  
Director, NIT Andhra Pradesh



**Convener and Coordinator**  
**Dr. Karthick Seshadri**  
Assistant Professor & Head, Dept. of CSE



**Coordinator**  
**Dr. Nagesh Bhattu S**  
Assistant Professor, Dept. of CSE

The main objective of this FDP on “Deep Learning for NLP” is to impart participants with the know-how of solving problems related to Natural Language Processing such as Language modeling, Sentiment Analysis, Question answering and Machine Translation. The FDP will comprise of both theoretical and hands-on sessions to provide the participants with a comprehension of the state-of-the-art natural language models such as Latent Dirichlet Allocation, Sequence models and Word Embeddings and deep networks such as Multi-layer Perceptrons, Convolutional Neural Networks, LSTMs and Recurrent Networks.

National Institute of Technology, Andhra Pradesh is the 31st institution among the chain of NITs started by the Government of India. NIT Andhra Pradesh is established in the state of Andhra Pradesh recently in the academic year 2015 – 2016. The institute offers B.Tech., M.Tech., M.S. (by research) and Ph.D. programmes in major Engineering disciplines. The institute is about to launch M.Tech. programmes across thrust Engineering domains.

The department offers B. Tech, M. Tech (Computer Science and Data Analytics), M.S (by Research) and Ph.D. programmes. The department has qualified, dedicated, experienced faculty with deep sense of commitment towards the students and institution. Faculty proficiency in thrust areas of Computer Science motivates students to participate in research activities and skill development programs. The department has a very good placement record. Faculty research interests include, but are not limited to the following areas; Artificial Intelligence, Machine Learning, Pattern Recognition, Big data Analytics, NLP, Deep Learning, Cyber Security, Cryptography.

## Speakers

Dr. Monojit Choudhury

Researcher  
Microsoft



Dr. Manoj Chinnakotla  
Researcher  
Microsoft



Dr. Balamurugan P

Assistant Professor  
IIT Bombay



Dr. Asif Iqbal

Associate Professor  
IIT Patna



Dr. Karthick S

Assistant Professor  
NIT Andhra Pradesh



Dr. Nagesh Bhattu S

Assistant Professor  
NIT Andhra Pradesh



## Tentative Schedule

Date	FN Session 10:00 AM to 12:00 PM	AN Session 2:00 PM to 4:00 PM	
23.11.2020	Supervised Models for NLP Tasks (Dr. Karthick Seshadri)	Sequence Labeling, Attention Models (Dr. Nagesh Bhattu S)	
24.11.2020	Deep Learning for Q & A Systems (Dr. Karthick Seshadri)	Mixed Script POS Tagging (Mr. Sathya Krishna)	
25.11.2020	Multi-lingual zero shot learning (Dr. Monojit Choudhury)	Multi-lingual searching (Dr. Manoj Chinnakotla)	
26.11.2020	Variational Auto Encoders and GANs for image and video captioning (Dr. Balamurugan P)	Deep Learning for document summarization (Ms. Sindhu K)	
27.11.2020	Deep Learning for Machine Translation (Dr. Asif Iqbal)	Aspect Oriented Sentiment Analysis (Mr. Prashanth and Mr. Sastry)	Quiz

## General Instructions

The participants of the course will be faculty & Ph.D. scholars from technical institutions. A Registration fee of Rs. 500/- needs to be paid. Selection will be done on a First Come First Served basis. Modality of the programme is online webinars through GMeet. E-certificates will be issued to the participants who attend all the sessions and clear the quiz at the end of the programme. Please [Click here](#) for online registration.

**Last date for receipt of application: 20<sup>th</sup> November 2020**

**Coordinators: Dr. Karthick Seshadri & Dr. Nagesh Bhattu S**

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