

TENTATIVE SCHEDULE OF REGULAR LECTURES AND FACULTY

Date (Morning 7.30AM-9.00AM)	Topic	Faculty
Monday, September 21, 2020	Speech Production Mechanism	Prof.P.Laxminarayana
Tuesday, September 22, 2020	Introduction to Artificial Neural Networks	Prof.K.Anithasheela
Wednesday, September 23, 2020	Introduction to NLP & Pre-processing the data	G.Jaya Krishna
Thursday, September 24, 2020	Hearing and Perception of Speech and Audio	Prof.P.Laxminarayana
Friday, September 25, 2020	Backpropagation Algorithm	Prof.K.Anithasheela
Saturday, September 26, 2020	Feature Engineering Techniques for NLP	G.Jaya Krishna
Monday, September 28, 2020	Time Domain Analysis of Speech	Prof.P.Laxminarayana
Tuesday, September 29, 2020	Introduction to Deep Neural Networks	Dr.A.V.Ramana
Wednesday, September 30, 2020	Advanced Feature Engineering Techniques	G.Jaya Krishna
Thursday, October 01, 2020	Frequency Domain Analysis of Speech	Prof.P.Laxminarayana
Friday, October 02, 2020	CNNs and TDNNs	Dr.A.V.Ramana
Saturday, October 03, 2020	Rule based systems for NLP	G.Jaya Krishna
Monday, October 05, 2020	Speech Coding Techniques and Standards	Dr.A.V.Ramana
Tuesday, October 06, 2020	DBMs and LSTM	Dr.A.V.Ramana
Wednesday, October 07, 2020	Machine Learning based systems for NLP	G.Jaya Krishna
Thursday, October 08, 2020	Feature Extraction for Speech Technologies (ASR, TTS, SR and SI)	Prof.P.Laxminarayana
Friday, October 09, 2020	Advances in Deep Learning	Dr.A.V.Ramana
Saturday, October 10, 2020	Deep Learning based systems for NLP	G.Jaya Krishna
Monday, October 12, 2020	ASR: Pattern Recognition and Vector Quantization	Bittu & Dr.PLN
Tuesday, October 13, 2020	TTS : Introduction	Prof.P.Laxminarayana
Wednesday, October 14, 2020	Introduction of Chatbot & Steps to Build Chatbot	G.Jaya Krishna
Thursday, October 15, 2020	ASR: Dyanmic Time Warping	Prof.P.Laxminarayana
Friday, October 16, 2020	TTS : Text Pre Processing	Prof.P.Laxminarayana
Saturday, October 17, 2020	ASR : Hidden Markov Models	Prof.P.Laxminarayana
Monday, October 19, 2020	Building Rule based Chatbot	G.Jaya Krishna
Tuesday, October 20, 2020	TTS : Waveform Generation	Prof.P.Laxminarayana
Wednesday, October 21, 2020	ASR : Hidden Markov Models, CI, CD, Tied and Untied States etc.	Mythilisharan
Thursday, October 22, 2020	TTS : Extraction of Parameters for Waveform Synthesis	Prof.P.Laxminarayana
Friday, October 23, 2020	TTS : Extraction of Parameters for Waveform Synthesis - Festival	Mythilisharan
Tuesday, October 27, 2020	Building a Retrieval Based Chatbot	G.Jaya Krishna
Wednesday, October 28, 2020	ASR : HMMs and GMMs	Mythilisharan
Thursday, October 29, 2020	TTS : DNNs	Dr.A.V.Ramana
Friday, October 30, 2020	ASR : Language Modelling	Mythilisharan
Saturday, October 31, 2020	Building a Generative Chatbot	G.Jaya Krishna
Sunday, November 01, 2020	ASR : DNNs	Mythilisharan
Tuesday, November 03, 2020	Speaker Recognition	Mythilisharan
Wednesday, November 04, 2020	Speaker Recognition	Mythilisharan
Thursday, November 05, 2020	Discussion	
Friday, November 06, 2020	Language Identification	Mythilisharan
Saturday, November 07, 2020	Valedictory and Feedback	Prof.P.Laxminarayana

Tutorial and Demonstration for Hands on Practice will be taken daily on above dates between 7.00PM-8.00PM.

Expert guest lectures between 6.00PM-7.00PM, are under planning and will be announced after confirmation.