

**SVKM'S NMIMS****Mukesh Patel School of Technology Management & Engineering****Department of Electronics & Telecommunication Engineering**

One Week Short Term Training Programme (STTP)

On

**RESEARCH OPPORTUNITIES IN SPEECH & IMAGE PROCESSING AND NEURAL NETWORKS  
(July 13-17, 2015)**

<b>Time</b>	<b>Day 1 (13/07/2015)</b>	<b>Day 2 (14/07/2015)</b>	<b>Day 3 (15/07/2015)</b>	<b>Day 4 (16/07/2015)</b>	<b>Day 5 (17/07/2015)</b>
<b>10:00-11:30</b>	Introduction to Speech Processing (PRA)	Statistical Models of Speech (GMM and HMM) (KSA)	Introduction to Image processing and Image Features (MKO)	Image Matching and research opportunities (RBH)	Introduction to Neural Networks (SSH)
<b>11:30 -11:45</b>	Break	Break	Break	Break	Break
<b>11:45-01:15</b>	Research Opportunities in Speech Processing (PRA)	Speech/Speaker Recognition and Research Opportunities (KSA)	Biometric applications and research opportunities (MKO)	Image Pattern recognition (STA)	NN in Image Processing with hands-on training and research opportunities (SSH)
<b>01:15-02:00</b>	Break	Break	Break	Break	Break
<b>02:00-03:30</b>	Introduction to MATLAB and Speech analysis (ABH & PTI)	Stressed speech processing and research opportunities (SAP)	MATLAB session on Image processing (ABH & PVE)	MATLAB session on pattern recognition (ABH & NCR)	Application of NN in speaker / person recognition and research opportunities (JNI)
<b>03:30 -03:45</b>	Break	Break	Break	Break	Break
<b>03:45-05:15</b>	Feature Extraction (ABH & PTI)	MATLAB implementation Speaker Recognition (VKU & PTI)	MATLAB session Image feature extraction (ABH & PVE)	MATLAB session on tissue characterisation using neural network (ABH & MJO)	Valedictory function

PRA – Dr. Preeti Rao, IIT Bombay

KSA – Dr. K. Samudravijaya, TIFR, Mumbai

MKO – Dr. M. B. Kokare, SGGS, Nanded

SAP – Dr. Shaila Apte, RSCOE, Pune

RBH – Raghvendra Bhalerao, IIT Bombay

STA – Dr. S. Talbar, SGGS, Nanded

SSH – Prof. Sanjay Shitole, SNDT Women's University

JNI – Prof. J. Nirmal, KJSCOE, Mumbai

ABH – Dr. Archana Bhise, MPSTME, Mumbai

VKU – Dr. Vaishali Kulkarni, MPSTME, Mumbai

MJO – Prof. Manjusha Joshi, MPSTME, Mumbai

PTI – Prof. Pradeep Tiwari, MPSTME, Mumbai

PVE – Prof. Priyanka Verma, MPSTME, Mumbai

NCR – Prof. Nieves Crasto, MPSTME, Mumbai