AICTE Sponsored Two Week Faculty Development Programme (FDP) on
Hands on Project-Based Approach for Biomedical Signal Analysis using MATLAB
Department of Electronics and Communication Engineering
Kakatiya Institute of Technology and Science, Warangal – 506015 (TS)
(An Autonomous Institute under Kakatiya University, Warangal) (Accredited by NAAC with 'A' Grade)

Phase-I: 28 Dec, 2020 – 10 Jan, 2021

WEEK-1 Schedule

Chief Guest: Dr. V. Jagadeesh Kumar Professor, Department of Electrical Engineering, Head Central Electronics Centre and Dean Academic Courses, IIT Madras **Topic:** Analytical Modeling and its Application for Noninvasive Measurements	
Dr. Arnab Chanda Assistant Professor, Centre for biomedical Engg., IIT Delhi **Topic:** Overview of Wearable Technologies: From a product development and entrepreneurship standpoint	

Dr. Sudipta Mukhopadhyay Professor, Department of ECE, IIT Kharagpur **Topic:** Estimation of PSD	
Dr. M. Jagannath Associate Professor Senior, School of Electronics Engineering, VIT Chennai. **Topic:** Biomedical Research - Insights from a Bird's Eye Perspective	
Dr. K. Ashoka Reddy Professor in ECE & Principal, Kakatiya Institute of Technology & Science, Warangal **Topic:** ECG signal analysis	
Dr. Manish Kashap Assistant Professor, Dept. of ECE, NIT, Bhopal **Topic:** Multi Resolution- De-nosing of Medical Images	

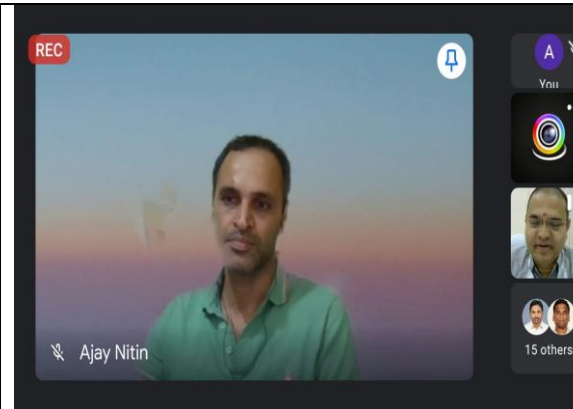|	
Dr. P.A. Karthick Assistant Professor, Dept. of Instrumentation Engg., NIT, Trichy **Topic:** Recent Trends in Signal Processing Techniques for the Assessment of Neuromuscular and Neurological Disorders	
Dr. C.B Rama Rao Professor, Dept. of ECE, NIT Warangal **Topic:** Signal Processing Techniques for Cardiac Arrhythmia Identification and Classification(Part-1)	
Dr.V.Rama Assistant Professor, Dept. of ECE, NIT Warangal **Topic:** Signal processing techniques for Cardiac arrhythmia identification and classification(Part-2)	
Dr. Bikesh Kumar Singh *Assistant professor & HoD, Biomedical Engg., NIT, Raipur* **Topic:** Medical image processing - Analysis of biomedical images for breast cancer	

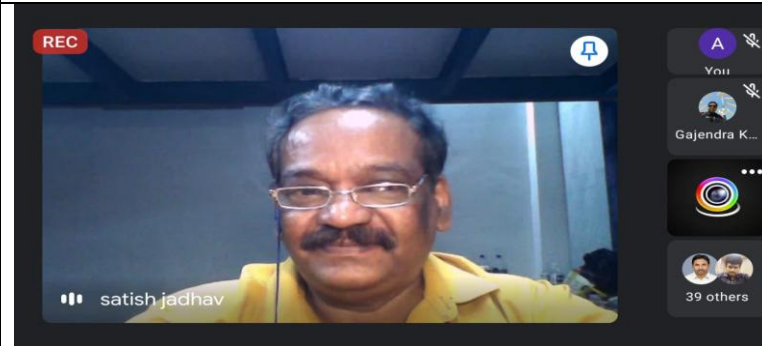|	
Sri. Ajay Nitin *Philips, Hyderabad(Alumni of KITSW)* **Topic:** Applications of Signal and Image processing in Medical Imaging	
Sri. Satish Jadav Biokit (Industry), Mumbai **Topic:** Acquisition of biosignals and processing	
Sri. J.Sheshagiri babu *Assistant Professor, Dept. of ECE, KITSW* **Topic:** Signal processing algorithms for EEG analysis using MATLAB	

Dr. G. Raghotham Reddy *Professor in ECE & Dean Student affairs, KITSW* **Topic:** Biomedical Image segmentation using level set methods	
Dr. K. Ramudu *Assistant Professor, Dept. of ECE, KITSW* **Topic:** Biomedical Image Processing: A Research perspective	
Dr. G. Rajendra Naik *Associate Professor, Dept. of EEE, KITSW* **Topic:** ECG signal Classification using Multimodal decision Learning (MDL) algorithm	

Sri. P.Yugander *Assistant Professor, Dept. of ECE, KITSW* **Topic:** Magnetic resonance image Denoising algorithms	
Sri. E.Harikrishna Assistant Professor, Dept. of ECE, Kakatiya University, Kothagudem, Telangana **Topic:** Real Time Perspectives of Wavelet Transform in Analysis of Biomedical Signals	
Sri. B. Narasimha Assistant Professor, Dept. of ECE, Kakatiya Institute of Technology & Science, Warangal **Topic:** Preprocessing and Spectral Analysis of Biomedical Signals in MATLAB	

Dr. M. Raghu Ram
Associate Professor, Dept. of EIE,
Kakatiya Institute of Technology & Science, Warangal

Topic: Applications of Wavelets for Reduction of Motion Artifacts
        from PPG Signals

Dr. K. Raja Narender Reddy
Professor, Department of ME,
Kakatiya Institute of Technology & Science, Warangal

Topic: PRANA MEDITATION: Integrated Approach for Wellness

Dr. M. Nalini
Associate Professor, Dept. of EIE,
SSEC

Topic: Visual Recognition using Watson Studio