

Academics

Subjects Taught:

Under Graduate Level (UG):

Field Theory, 8085 Microprocessor, 8086 Microprocessor, Data Converters, Intel and PIC Microcontroller, Communication Systems, Biomedical Instrumentation, 8051 Microcontroller, C Programming, Digital Signal Processing, Robotics, DSP architecture, Biomedical signal processing.

Graduate Level (PG):

Real Time Signal Processing, Speech signal processing, Audio signal Processing and Instrumentation.

List of short-term courses / national level technical symposia organized

- a. Challenges in Medical Imaging, 22nd and 23rd March, 2013
- b. Embedded System Design using ARM 7 and TMS320C6713, 14th to 18th July 2014
- c. Testing and Servicing of Electronics Lab Equipments for Technical Staff, 9th to 11th Oct, 2014
- d. Recent Trends in Biomedical Signal and Image Processing, 10th to 14th March 2016.
- e. Laboratory Equipments Operation and Maintenance for Technical Staff, 25th to 29th April 2016
- f. Research Avenues in Biometrics and Forensic Science, 24th to 25th June 2016.
- g. Programming Raspberry PI using Python, 25th to 29th Jan 2017.

Finishing School

1. Finishing School on INDUSTRIAL AUTOMATION from 10-01-2017 to 14-03-2017.
2. Finishing school on Industrial Instrumentation from 01- 2016 to 03-2016.

UG Final Year Projects Guided: 58 Projects

PG Final Year Projects Guided: 32 Projects

Ph.D. Supervision and Guiding

Ph.D. Guided:

- a. Wavelets and Neural network techniques for performance enhancement of digital hearing aid – Ph.D. awarded to Sunitha. S.L. by Mysore University-2008.
- b. Biometric authentication for secure communication in wireless networks- – Ph.D. awarded to Suresh D.S.by Mysore Univesity-2012.
- c. Development of an adaptive algorithm for conversion of Hindi Braille to Speech, Ph.D. awarded to T.Shreekanth by Mysore Univesity-2016.
- d. Noise Cancellation for Nonstationary Signals, Thesis submitted, Rathnakara S, Mysore Univesity-2018.
- e. Non-Parametric and Parametric methods for processing EEG Signals, Thesis submitted KIRANMAYI G.R Mysore Univesity-2018.

Ph.D. Guiding: 5 Students.

- a. Audio Visual Speech Recognition in noisy audio environments using stastical Techniques, Thesis submitted, Amaresh Kandagal, SSITUnivesity-2018.
- b. Design and development of Efficient algorithms for multiple cues in Biometric authentication, Raju A.S., 2013, Visvesvaraya Technological University.
- c. Analysis of Vocal Tract Characteristics in Laryngeal Cancer Patients, Gururaj B Gour, 2015, Visvesvaraya Technological University.
- d. A new approach for Hindi hand Gesture Recognition for Deaf and Dumb people, Chaitra C, 2016,Visvesvaraya Technological University.
- e. Noise Cancellation in Nonstationary Signals using Beam Forming Techniques, Praddep M.N., 2016, SSIT University, Tumkur.
- f. New techniques for bilingual automatic Hindi to kannada speech translation, Sowmya, JSS Science and Technology University, 2017, Mysuru