

Academics

Subjects Taught

M.Tech (BMSP & I)

1. Advances in Medical Imaging
2. Mathematics for Bioengineers

BE (IT)

1. Electrical and Electronic Measurements
2. Communication systems
3. Process control
4. Lasers and Optical Instrumentation
5. Signal conditioning circuit
6. Signals and systems
7. Automobile Instrumentation
8. Digital signal processing
9. Transducers and Instrumentation-II
10. Automation in process control

List of short-term courses/ National level Technical symposium conducted

- National level workshop on “Laboratory Equipments Operation and Maintenance for Technical staff” 25th to 29th April 2016

U.G. Project Guided: 21

M.Tech Project Guided: 14

List of M.Tech Projects Guided

- Wavelet packet based algorithm for estimation of P wave.
- Analysis of liver anomalies in CT images.
- Determination of disfluencies associated in stuttered speech using MFCC feature Extraction.
- Li-Fi based advanced patient monitoring system.
- Leucocyte nucleus segmentation and classification.
- Detection classification and retrieval of diabetic macular edema from color retinal images.
- Clinical information of MRI database-An approach for PAC frame work

- Early detection and quantitative analysis of kidney stones
- Extraction of retinal vessels based on gradient orientation analysis.
- Computer aided articulation therapy.
- Automatic classification of infant cries using KNN classifier.
- A wireless based real time patient monitoring system.
- Classification of auditory brain stem responses in hyperbilirubemia using ANN.
- Multifrequency and dual channel respiration monitor based on electrical impedance pneumography