

Academics

1. Subjects Taught

M.Tech. Biomedical Signal Processing & Instrumentation

- Pattern Recognition
- Biometrics & Applications
- Ergonomics

B.E. Electronics & Instrumentation Engineering

- System Design using HDL
- VLSI Design
- Aircraft Instrumentation
- C++ & Data Structures
- HDL Programming Lab
- Microcontroller Lab

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

- Coordinator, 2 day faculty development program on ‘**Research Avenues in Biometrics and Forensic Science**’, TEQIP-II sponsored, organized by MCA & IT department, June 24-25th 2016
- Member, Organizing committee, IEEE International Conference on ‘**Contemporary Computing and Informatics**’, SJCE, Mysore , 27-29th November 2014
- Coordinator, 2 day workshop on ‘**Rehabilitation Engineering**’, TEQIP-I sponsored, Dec 20-21, 2008

3. R&D and Projects Executed

Title of Ph D Thesis

- Thickness and Volume Measurement of Articular Cartilage and Menisci in Normal and Osteoarthritis Knee Joints using Image Processing Techniques

Research Projects

- Title: Morphometric analysis of Knee Joint Diseases for Diagnosis and Treatment, Funded by AICTE-RPS, 2010-13, BIET, worked as Co investigator, status: **completed** in 2013
- Title: Detection and Assessment of Osteoarthritis and related Knee Joint Diseases using Image Processing Methods, **submitted** to DST : EMR-SERB, in July 2017 Status: under evaluation

Research Supervisor

- Guiding 2 Ph.D. Scholars in the area of Medical Image Processing & Orthopedic Biomechanics under J.S.S. Science & Technology University, Mysuru 2017-18

Guided TEQIP funded UG Project: Title: Airport Automation System using GSM Network, 2014

Guided KSCST Funded UG Projects: 03

Academic projects guided: UG level: 40+, PG level: 20