

Academics

1. Subjects Taught:

- Low Power VLSI
- VLSI Circuits and Systems.
- Digital Communication.
- Microwave and Antenna
- Power Electronics.
- Control Systems.
- Analog Electronic Circuits.
- Network Analysis.
- Multimedia Communication.
- Microcontrollers.
- Linear Integrated Circuits and its Applications.
- Field Theory.
- Electromagnetic Waves.
- CMOS VLSI Circuits.
- Computer Communication Networks
- Analog and Mixed mode VLSI Circuits.
- Real Time Embedded Systems.
- Quantum Computing and Communication

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

- National Workshop on “First National conference on Recent Trends in Communication & Computing - 2016”, 27th Feb. 2016.
- Faculty Development Program “One - Day Faculty Development Programme on Plagiarism Issues and Essential Tools for Research Write-ups”, 18th April, 2015.
- Faculty Development Program on “Wireless Networks & Testing”, 28th Aug to 1st Sept 2013.

3. List of Faculty Development Programme / Training / Workshop as a Resource Person.

- Faculty Development Program on “Introduction to VLSI design flow using Cadence” for technical staff. 24th to 26th June 2013.
- Faculty Development Program on “Microcontroller and applications” for technical staff. 22nd to 24th July 2013
- Faculty Development Program on “VLSI design using Cadence” for faculties. 1st Aug to 3rd Aug 2013

4. UG Final Year Projects Guided (in the reverse chronological order)

- “Natural scene text recognition for visually impaired” – Anjana R, Chetan Bale, Chethan Chinder, Jacinta jyrwa (2017).
- “Object detection using 3D mapping”, - Ajay Angadi, Apoorva subash, Ashish farande, Rohan kuntoji (2017).
- “Optical Image Stabilisation”. Kowshik R. E, Usha T, Vaishnavi H. R, Akshatha S. R (2016).
- “Analysis of energy harvesting using piezoelectric transducers”. – Gururaj R. K, Basavaraj B, Ashok C and Jayasurya P (2016).
- “GSM Based Digital Notice Board” – Chaitra N, Shweta A, Sunita A, Vindhya M.(2015)
- “GSM Based Energy Meter and billing Via SMS”.- Akshatha B. G, Anuradha M. N Roopini K, Sindhu G. (2015).
- “TVSD Metal detecting quadruped robot” – D Shayista Banu, Nikita M. W, Venkatesh A. W, Vinay P. G (2012)
- “Input Stage of Low Voltage Differential Signal (LVDS) Receiver Compliant to IEEE 1596.3 Std. for 2Gbps Signal Rate”. – Chethan Shettar, Kishan K L, Manoj Holeyennavar, Rajat Channappanavar (2011)
- “Automated Wheelchair An Aid for the mobility impaired”. - Swetha.H.Hooli Varun.M Veeresh.Savadi Supriya.Jadi (2011).