

Academics

1. Subjects Taught:

- Basic Electrical Engineering
- Electrical and Electronics Measuring Instruments
- Power Electronics
- Electrical Power Transmission and Distribution
- Power Transmission and Distribution
- Power System Analysis and Stability-I
- Digital Image Processing
- Basic Electronics Laboratory
- Analog Electronics Laboratory
- Logic Design Laboratory
- Measurements and Simulation Laboratory
- Power Electronics Laboratory
- Control systems Laboratory
- Electrical DC Machines and Transformers Laboratory
- Electrical AC Machines and Induction Motors Laboratory

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

a. International Conferences Attended

- First National Conference On 'Image Processing, Pattern Recognition and Computer Vision', *PES College of Engineering*, Mandya [24-25th August 2009].
- Second International Conference on 'Signal and Image Processing (ICSIP-2009)', *Vidya Vikas Institute of Engineering and Technology*, Mysore [12-14th August 2009].

b. Workshops Participated

- One day Workshop on 'Intellectual Property Rights and Patenting', Conducted by **Sri Jayachamarajendra College of Engineering**, Mysuru, [21st February 2018].
- Workshop on 'Financial Management', Conducted by **Sri Jayachamarajendra College of Engineering**, Mysuru, [30th -31st July 2014].
- Workshop (ISTE) on 'Writing Effective Conference Papers' Conducted by **Indian Institute of Bombay (IIT-B)** [18th – 19th February, 2012].
- Workshop on 'Digital Image Processing', **I2IT, Pune**, Pune, Maharashtra [1- 5th October, 2010].

- Workshop on 'Video Analysis and Surveillance', Conducted by Center for Soft Computing Research, **Indian Statistical Institute (ISI), Kolkata**, Kolkata, West Bengal [6-10th July 2010].
- Workshop on 'Advances in Image Processing and Computer Vision', Conducted by Computer Science & Engineering Department, **NITTE Meenakshi Institute of Technology**, Bangalore [29-31st Jan 2009].
- Workshop on 'Electronics in Industrial Automation', conducted by Department of Electronics and Communication Engineering, Sri **Jayachamarajendra College of Engineering**, Mysuru, [16-21st July 2007].

c. Two week (15 days) AICTE sponsored FDPs

- Two Week AICTE sponsored Faculty Development Programme on “Soft Computing Techniques for the Engineering Research and its Applications (SCTERA’15)” during 8th -21st June, 2015, conducted by Department of Electronics and Communication Engineering, Sri Ramakrishna Engineering College, Coimbatore, Tamil-Nadu.
- Two Week AICTE sponsored short term course on “Recent Advances in Microwave Engineering” during 16th – 27th March, 2015, Department of Electronics and Communication Engineering, Madhav Institute of Technology & Science (MITS), Gwalior, MP.
- AICTE staff development programme on 'Image and Video Processing', Indian Institute of Technology (IIT), Kharagpur, Kharagpur, West Bengal [23rd Nov - 6th Dec 2009].
- Two Week AICTE sponsored Faculty Development Programme on 'Hands on Course on Spice and Virtual Instrumentation', Conducted by Department of Electronics and Communication Engineering, Sri Jayachamarajendra College of Engineering, Mysuru, [23rd July – 4th August 2007].
- Two Week AICTE sponsored Staff Development Programme on 'Soft skills and Efficiency Enhancement', Conducted by Department of Electronics and Communication Engineering, Sri Jayachamarajendra College of Engineering, Mysuru, [11th – 23rd July 2005].
- Two Week AICTE – ISTE Short Term Training Programme on 'Unix Operating System', Conducted by Department of Electronics and Communication Engineering, Sri Jayachamarajendra College of Engineering, Mysuru, [4th – 16th September 2000].

- Two Week AICTE sponsored Faculty Development Programme on 'Hands on Course on VLSI Design', Conducted by Department of Electronics and Communication Engineering, Sri Jayachamarajendra College of Engineering, Mysuru, [16th – 28th August 1999].
- Two Week AICTE sponsored Faculty Development Programme on 'Advances in Neural Computing', Conducted by Department of Computer Science & Engineering, Sri Jayachamarajendra College of Engineering, Mysuru, [26th July – 7th August 1999].

d. One week TEQIP sponsored FDPs attended

- One Week faculty development programme on "Internet of Things (IoT) and Its Applications" from 8th to 12th September 2016, conducted by Department of Electronics and Communication Engineering, Sri Jayachamarajendra College of Engineering, Mysuru.
- One Week (6 days) workshop on "Pedagogy of Instructional Design and Delivery System" from 12th to 17th July 2016, as TEQIP-II program, Sri Jayachamarajendra College of Engineering, Mysuru.
- One Week faculty development programme on "Recent Trends in Biomedical Signal & Image Processing" from 10th to 14th March 2016, conducted by Department of Instrumentation Technology, Sri Jayachamarajendra College of Engineering, Mysuru.
- One Week faculty development programme on "Hands on Course on FPGA and ASIC Design" from December 28th, 2015 - January 1st, 2016, conducted by Department of Electronics and Communication Engineering, Sri Jayachamarajendra College of Engineering, Mysuru.
- One Week "Management Capacity Enhancement Program-me (MCEP) for TEQIP Institutions" during July 27 -31, 2015 at IIM Lucknow -Noida Campus, Uttar Pradesh.
- One Week faculty development programme on "Nature Inspired Algorithms & Their Applications (NIATA-2015)" during July 13- 17, 2015, conducted by Department of Electrical Engineering, Delhi Technological University, Delhi.
- One Week Faculty Development Programme on "Research Methodology For Science, Engineering and Management" during 25th – 30th May 2015, conducted by Department of Mechanical Engineering, National Institute of Technology Calicut, Kerala State.

e. Training Undergone Abroad

- 20-sim AP Training Course, *Controllab Products B.V and ni2designs, Bangkok, Thailand*[9-15th March 2009].

3. R&D Projects Executed

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

- “Real time wireless monitoring system for 3-phase induction”, Abhishek R Hegde (4JC13EE001), Nambiar RahulAjit (4JC13EE032), Veeresh C G (4JC13EE056), Vishal kutappa AK (4JC13EE061), Vishnu Sharma HM (4JC13EE062), 2017.
- “Prototype of agricultural robot”, Aishwarya SC(4JC13EE003), Anish S Rao(4JC13EE006), Anitha SM(4JC13EE007), Monish HR(4JC13EE031), SanthoshAppachu(4JC13EE043), Vidyashree KR(4JC13EE057), 2017.
- “Android based human knee joint monitoring system”, DakshayiniB(4JC13EE014), HarikeshaV R(4JC12EE017), Lingaraj(4JC13EE022), Lalith Gowda R(4JC13EE024), Sushmith KN(4JC13EE054), 2017.
- “Brain tumor detection system using digital image processing”, Akash C B(4JC12EE004), Aravindsrinath(4JC12EE006), Deepakreddy(4JC12EE0010), Guru Prasad J R(4JC12EE013), KrishnaKanth K M(4JC12EE020), 2016.
- “Dynamic traffic management system”, Dhanyashree R (4JC12EE011), PaavanKumar H D (4JC12EE033), Phalguna (4JC12EE035), Syelandur (4JC12EE042), Rakshith D Isnehas (4JC12EE046), 2016.
- “Minimization of losses in the power system by the integration of distributed generator”, BhavyashreeH N (4JC12EE009), MamathaR (4JC12EE024), Megha HP (4JC12EE027), Priya A M (4JC12EE040), Yashaswini E G (4JC12EE065), 2016.
- “Design and development of advanced power supply failure notification system”, Kavan A B (4JC11EE028), Shivakumar C S(4JC11EE050), ShivanandaF Madiwalar (4JC11EE051), Vikas B S (4JC12EE410), Yogisha M (4JC12EE411), 2015.
- “Development of software tool for designing protection scheme for 66/11kv substation”, Manu M S (4JC11EE034), Pramod V (4JC11EE043), Asma M (4JC12EE402), Beerappa K (4JC12EE403), MaheshaR (4JC12EE407), 2015.
- “Design and development of enhanced security system for ATM’s”, Ashish(4JC11EE002), Arun H Desai(4JC11EE007), Sunilkumar(4JC11EE059), Abhinandan G(4JC12EE400), BhagavathiDevappa S Jalikatti(4JC12EE404), 2015.
- “Attendance recording system based on rfid using gsm network”, Arpana B M (4JC11EE010), Nisha C (4JC11EE012), Chaithra C (4JC11EE013), Chaithra B S (4JC11EE014), 2015.

PG Final Year Projects Guided (in the reverse chronological order)

- “Fault Detection in an Induction Motor using Motor Current Signature Analysis”, Abhinandan (4JC15EEM01), 2017.
- “Performance Analysis of MPPT based Photovoltaic System using Conventional DC-DC Converters”, Geethanjali M N(4JC15EEM04), 2017.