

Academics

1. Subjects Taught

- Control Systems
- Electronic Devices & Circuits
- Computer Communication Networks
- JAVA Programming
- Digital System Design
- Linear Algebra and Applications
- Linear Integrated Circuits
- Digital electronics lab
- Linear Integrated Circuits Lab
- HDL Lab
- Design and Implementation Lab
- Simulation Lab
- Communication Lab
- Advanced Communication Lab
- Microcontroller lab
- Networking Lab

2. R&D Projects Executed

PG Projects Guided

- “Secured charity and organ organ donation tracking system using blockchain technology”- Yashwanth Kumar G N (2022)
- “ROAD ACCIDENT PREDICTION USING MACHINE LEARNING” – Chirag P (2022)
- “Fingerprint and Face recognition based ATM system using Raspberry Pi” – Kavyashree S (2021)
- “Proximity Warning System with Path Follower” - Prashanth Chikkannanvar (2020)
- “Framework for transactions in Electronic Data Interchange” - Pooja U (2020)
- “Automated Data Acquisition and Controlling System in Housing Machining Line using IoT” - POOJA T L (2019)

UG Projects Guided

- “Agronomy: Smart Agricultural Management System” – Shruthi R,Tejas S M, Poojitha R,Nithish Kumar G
- “Building Water and LPG Management System” - Bharath N, Hithesh S, Karthikeya Moleyar, Priyanka K N (2021)

- “Electromagnetic Hover Train” – Khalidabanu, Appurva Inamdar, Ashwini S B, Kiran V (2020)
- “Baby Health Monitoring System” - Ayesha Fathima, C.V.Lekha, Jeevitha.P.Swamy, Shimone.P.Vyas (2019)
- “Automated Inspection of Nuts and Bolts using Machine Vision Techniques” – Rahul Mohan, Rajath Jain, Sanjana Ravi, Shobha Devaraj Madival (2018).

3. List of Faculty development programs/Workshop conducted

- Ministry of Electronics and Information Technology, (MeitY), GOI sponsored 40 hour online FDP on “Analytical Techniques for Nanomaterials” organized by Electronics & ICT Academy, NIT Warangal and JSS Science Technology University from 18th July – 25th July 2022.
- TEQIP III Sponsored two week FDP on “Fabrication of Electronic Devices Using Nanomaterials” organized by the dept. of ECE, JSS Science and Technology University, Sri Jayachamrajendra College of Engineering from 24th August - 4th September 2020.
- TEQIP III Sponsored two days FDP on “Research Proposal Preparation” organized by the dept. of ECE, JSS Science and Technology University, Sri Jayachamrajendra College of Engineering from 5th & 6th September 2019
- TEQIP III sponsored one week FDP on “Development of Smart Sensor Technology Towards Electronic Applications” organized by the dept. of ECE, JSS Science and Technology University, Sri Jayachamrajendra College of Engineering from 4th – 8th February 2019
- TEQIP III sponsored two-day international workshop on “Recent Trends in Nanomaterials for Energy and Electronic Applications” organized by the dept. of ECE, Sri Jayachamrajendra College of Engineering from 11th - 12h January 2018.

4. List of Faculty development programs/Workshop attended

- Participated in a TEQIP II sponsored two day workshop on “Essential of Latex”, organized by dept. of E&C Sri Jayachamrajendra College of Engineering. On 5th & 6th September 2014.
- Participated in a TEQIP II sponsored two day workshop on “Modeling and fabrication of smart materials and Nano devices for sensor applications”. Organized by dept. of E&C Sri Jayachamrajendra College of Engineering. On 29th & 30th May 2015.

- Participated in a TEQIP II sponsored two day Faculty Development Program on “Speech Signal Processing and its Applications”, organized by the dept. of CSE, Sri Jayachamrajendra College of Engineering. On 6th & 7th November 2015.
- Participated in a TEQIP II sponsored five day Faculty Development Program on “Hands on course on FPGA and ASIC Design”, organized by the dept. of E&C, Sri Jayachamrajendra College of Engineering. On 28th December 2015 to 1st January 2016
- Participated in a one day workshop on “Experimentations with Analog Lab Kit” organized by NIE Institute of technology in association with Texas Instruments, Bengaluru on 8th January 2016.
- Participated in a TEQIP II sponsored Two day Faculty Development Program on “Recent Trends in Communication Technology” organized by the dept. of E&C, Sri Jayachamrajendra College of Engineering. On 29th January 2016 and 30th January 2016
- Participated in a TEQIP II sponsored four day Faculty Development Program on “Linear Algebra for Electrical Sciences” organized by the dept. of E&C, Sri Jayachamrajendra College of Engineering. from 26th February 2016 to 29th February 2016
- Participated in a TEQIP II sponsored five day Faculty Development Program on “Recent trends in Bio Medical Signal and Image Processing” organized by dept. of IT, Sri Jayachamrajendra College of Engineering from 10th March 2016 to 14th March 2016.
- Participated in a one day workshop on “Authors workshop on Publish or Perish” organized by TEQIP II, Sri Jayachamrajendra College of Engineering on 26th March 2016.
- Participated in a TEQIP II sponsored two day Faculty Development Program on “Advanced topics on control systems” organized by the dept. of E&C, Sri Jayachamrajendra College of Engineering on 1-2nd April 2016.
- Participated in a TEQIP II sponsored five day workshop on “Multimedia data analysis” organized by dept of ISE, Sri Jayachamrajendra College of Engineering from 26-30th April 2016.
- Participated in a TEQIP II sponsored six day Faculty Development Program on “Pedagogy of Instructional Design & Delivery System” organized by Sri Jayachamrajendra College of Engineering from 7-12th June 2016.
- Participated in a TEQIP II sponsored one week workshop on “Digital image processing: Basics to Recent Trends” organized by the dept. of CSE, Sri Jayachamrajendra College of Engineering from 13-17th June 2016.
- Participated in a TEQIP II sponsored two day workshop on “Research avenues in Biometrics and Forensic Science” jointly organized by the dept. of IT & MCA, Sri Jayachamrajendra College of Engineering on 24 & 25th June 2016.
- Participated in a AICTE sponsored one week Short Term Training Program on “Microelectronics: Fundamentals to Devices” from 11th - 16th July 2016 at Indian Institute of Technology, Madras.
- One day Special lecture on “How to do good Ph.D.?,” during the Pre-conference tutorial of the International conference on Cognitive computing & Information Processing on 10th August 2016 at SJCE.

- Participated in a TEQIP II sponsored one week workshop on “Advances in Pattern Recognition: An approach through MATLAB” organized by the dept. of ECE, Sri Jayachamarajendra College of Engineering from 31st Aug -4th Sept 2016.
- Participated in a TEQIP II sponsored one week workshop on “Internet of Things (IOT) and its Applications” organized by the dept. of ECE, Sri Jayachamarajendra College of Engineering from 8th - 12th Sept 2016.
- Participated in a TEQIP II sponsored one week workshop on “Computational Linear Algebra” organized by the dept. of ECE, Sri Jayachamarajendra College of Engineering from 7th to 11th Dec.2016.
- Participated in a one week workshop on “Strengths-Based Programmes” organized by Sri Jayachamarajendra College of Engineering from 28th Dec 2016 to 3rd Jan 2017
- Participated in a three day workshop on "Problem Solving and Learn to Code " at Sri Jayachamarajendra College of Engineering from 6th -8th Jan 2017.
- Participated in a TEQIP II sponsored one week workshop on “Programming Raspberry PI using Python” organized by the dept. of IT, Sri Jayachamarajendra College of Engineering from 25th - 29th Jan 2017.
- Participated in a MHRD sponsored two weeks GIAN program on “Energy, Sustainability and Life Cycle Risk Analysis” organized by the dept. of ECE, Sri Jayachamarajendra College of Engineering from 13th to 28th Feb 2017.
- Participated in a two day workshop on “Advances in Wireless Networks” organized by the dept. of ECE, Sri Jayachamarajendra College of Engineering from 3rd -4th October 2017.
- Participated in a two day workshop on “Research Methodology” organized by JSS Science & Technology University, Mysore from 18th - 19th November 2017.
- Participated in a MHRD sponsored one week GIAN program on “Development of Microstructure and Nanostructure by Physical Vapour Deposition for the Application of Optoelectronic Devices” organized by the dept. of Physics, National Institute of Technology, Durgapur from 22nd to 26th January 2018.
- Participated in a TEQIP III sponsored one day national workshop on “Advanced Analytical Techniques for Polymer Characterization” organized by department of Polymer Science and Technology, Sri Jayachamarajendra College of Engineering, Mysuru on 29th January 2018
- Participated in a MHRD sponsored two week GIAN program on “Theoretical and Practical aspects of the Industrial Internet of Things” organized by the dept. of MCA, Sri Jayachamarajendra College of Engineering, Mysuru from 5th to 16th February 2018.
- Participated in a two day “How to do Good Ph.D” and “Application of Latex in Research” conducted by JSS Science & Technology University from 17th -18th May 2018
- Participated in a MHRD sponsored two week GIAN program on “Multiscale Modeling of Heterogeneous Structures” organized by the dept. of CTM, Sri Jayachamarajendra College of Engineering, Mysuru from 4th to 16th June 2018.
- Participated in a TEQIP III sponsored one day national workshop on “Cyber Security and Forensics: Real-Time Challenges” organized by the dept. of CSE, Sri Jayachamarajendra College of Engineering in association with Cyber Crime Branch, Mysuru on 2nd July 2018.

- Participated in a MHRD sponsored two week GIAN program on “Emerging Intelligent Polymers Materials: from Science to Industrial Applications” organized by the dept. of PST, Sri Jayachamarajendra College of Engineering, Mysuru from 16th to 27th July 2018
- Participated in a TEQIP III sponsored one week workshop on “Recent Trends in Smart Materials and Their Applications” organized by department of Polymer Science and Technology and Dept of Physics , Sri Jayachamarajendra College of Engineering, Mysuru from 13th -17th Nov 2018
- Secured B+ grade in “ISSS foundation Course on Bio-MEMS”, conducted from 1st - 7th July 2019 by ISSS at Indian Institute of Science, Bangalore
- Participated in a TEQIP III sponsored one week FDP on “Digital and Analog – IC Design Flow using Cadence Tool” organized by department of Electronics and Communication, JSS Science and Technology University, Sri Jayachamarajendra College of Engineering, Mysuru from 8th - 12th July 2019.
- Participated in a TEQIP III sponsored five day workshop on “Semiconductor Device Modeling Using Visual TCAD & Genius 3D & SYMICA AMS IC Design Tool Kit ” organized by department of Electronics and Communication, JSS Science and Technology University, Sri Jayachamarajendra College of Engineering, Mysuru from 22nd - 27th July 2019.
- Participated in a TEQIP III sponsored five day workshop on “Next Generation Wireless Networks & the Technologies – A Practical Perspective” organized by department of Electronics and Communication Engineering, JSS Science and Technology University, Sri Jayachamarajendra College of Engineering, Mysuru from 19th - 23rd August 2019.
- Participated in one day workshop on “eSim, aFirst Course in the IoT Series for Teachers” organized by the Teaching Learning Centre ICT at IIT Bombay, held at Sri Jayachamarajendra College of Engineering, funded by PMMMNMTT, MHRD on 21st September 2019
- Secured A+ grade in “LaTeX101x: LaTeX for Students, Engineers, and Scientists” an online course conducted from 24th September – 2nd December 2019 offered by IITBombayX, an online learning initiative by IIT Bombay.
- Two week TEQIP Online Certification Course on “Digital Transformation in Teaching Learning Process” offered by Indian Institute of Technology, Bombay, 06th -22nd April, 2020.
- Webinar series on “Humanitarian Technologies” organized by IEEE Bangalore Section from 13th - 23rd April 2020.
- International FDP on “Develop the ability to write Research Proposal” organized by Adarsh Group of Institutions, Bangalore on 24th April 2020
- Online national workshop on “Fine Tuning Research Planning using Elsevier Tools: Science Direct, Scopus and Mendeley” organized by K J Somaiya College of Science and Commerce in collaboration with Elsevier on 25th April 2020.
- One week short term online course on “Use of Research & Analytics to Write a Good Research Outcome ” organized by RKCC Events Division, Amritsar from 26th April – 1th May 2020.

- Two day online workshop on “Power Train and Electromagnetic Transients” organized by the Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bangalore, in association with PWSIM Engg. Solutions Pvt Ltd. on 18th – 19th May 2020.
- One week FDP on “NBA and NAAC Accreditation Process ” organized by Internal Quality Assurance Cell(IQAC) M S Ramaiah Institute of Technology under AICTE Margadarshan Scheme from 4th – 8th June 2020.
- International webinar on “How to get research grants from UGC, AICTE” jointly hosted by MBITS & SMBS coordinated by S&H Dept. & Covid’19 Cell, MBITS on 9th June 2020.
- Webinar series on “Telemedicine, IOT and nanoscience” organized by GSSSIETW IEEE Student Branch in association with IEEE Bangalore Section and IEEE CAS Bangalore chapter from 10th – 12th June 2020.
- Three week online course on “Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials” conducted by Indian Institute of Remote Sensing(IIRS), ISRO Dehradun during 13th June – 1st July 2020.
- Course on “Nanotechnology and Nanosensors, Part1” an online non-credit course authorized by Technion-Israel Institute of Technology and offered through Coursera on 23rd June 2020,
- Duration of 5 weeks. Course on “Nanotechnology and Nanosensors, Part2” an online non-credit course authorized by Technion-Israel Institute of Technology and offered through Coursera on 1st July 2020, Duration of 5 weeks.
- Online quiz on “Java Programming” organized by Dept. of Computer Science and Engineering, VVCE Mysuru, on 4th July 2020 with 85%.
- Two week online FDP on “Applied Data Science” organized by Dept. of Electronics and Communication Engineering, BMS College of Engineering in association with IETE, Bangalore Centre from 6th -17th July 2020.
- One week workshop on “BIOSENSORS: Fundamentals to Advances, Scope & Applications” organized by Dept. of Electronics and Telecommunication Engineering and Dept. of Electronics and Communication Engineering, Ramaiah Institute of Technology, Bangalore from 3rd -8th August 2020.
- Course on “Signal Processing with Simulink” organized by MathWorks Training Services from 24th & 25th August 2020.
- Course on “Generating HDL code from Simulink” organized by MathWorks Training Services on 26th August 2020.
- Course on “DSP for FPGAs” organized by MathWorks Training Services from 27th & 28th August 2020.
- Course on “Fundamentals of Network Communication” an online non-credit course authorized by University of Colorado System and offered through Coursera on 4th October 2020, Duration of 5 weeks.
- Endowment lecture sponsored by SINTEX BAPL on “New opportunities in Sustainable Materials & Latest Technology Trends in Injection moulding for Automotive Market”

hosted by IPI Mysore chapter, c/o Dept. of PST, SJCE, JSSSTU, Mysuru on 12th October 2020.

- One week FDP on “Recent Trends in Advanced Materials and Applications” organized by Dept. of Physics, NIE, Mysuru from 19th – 23rd October 2020.
- Online Session on IEEE Xplore “Curating content from IEEE resources for learning & research” organized by EBSCO Information Services, India on 28th October 2020.
- Webinar on IEEE Xplore conducted by IEEE-SJCE Student Branch, JSS Science and Technology University, Mysuru in October 2020
- Two week AICTE funded FDP on “Pedagogical Training on Outcome Based Education(OBE)” organized by St. Peter’s Engineering College, Hyderabad from 1st – 14th December 2020.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Mathematics for Machine learning" from 18/1/2021 to 22/1/2021 at Sri Jayachamarajendra College of Engineering, JSS Science and Technology University.
- Participated in Two week e-FDP on “Advanced and New Generation Materials in Electrical and Electronics Engineering” Organized By CoE in Advanced Materials Research, Department of Electrical and Electronics Engineering in association with FET MJP, Rohilkhand University, Bareilly, U.P., from 8th Feb 2021 to 19th Feb 2021.
- Successfully completed Module 1 - Orientation towards Technical Education and Curriculum Aspects of National Institute of Technical Teachers Training And Research, AICTE in the month of February 2021.
- Successfully completed Module 2 - Professional Ethics & Sustainability of National Institute of Technical Teachers Training And Research, AICTE in the month of February 2021.
- Successfully completed Module 3 - Communication Skills, Modes & Knowledge Dissemination of National Institute of Technical Teachers Training and Research, AICTE in the month of February 2021.
- Successfully completed Module 5 - Technology Enabled Learning & Life-Long Self Learning of National Institute of Technical Teachers Training and Research, AICTE in the month of February 2021.
- Successfully completed Module 6 - Student Assessment and Evaluation of National Institute of Technical Teachers Training and Research, AICTE in the month of February 2021.
- Successfully completed Module 7 - Creative Problem Solving, Innovation and Meaningful R&D of National Institute of Technical Teachers Training and Research, AICTE in the month of February 2021.
- Successfully completed Module 8 - Institutional Management & Administrative procedures of National Institute of Technical Teachers Training and Research, AICTE in the month of February 2021.
- Attended the AICTE sponsored Online Short Term Training Programme on “Make in India: Through 3D Printing and Industry 4.0 for Indian Industries – Phase III” organized

by the Department of Mechanical Engineering, Kamaraj College of Engineering and Technology (Autonomous), Madurai, from 03.05.2021 to 08.05.2021.

- Successfully completed one day “Conference Organizers Workshop” organized by IEEE Bangalore Section, IEEE Mysore Workshop” organized by IEEE Bangalore Section, IEEE Mysore Subsection and IEEE Mangalore Subsection on 16th May 2021.
- Participated & completed successfully AICTE Training and Learning (ATAL), Academy Online Elementary FDP on "Nano-materials & Nanomechanics and their application in devices and sensors" from 28/6/2021 to 2/7/2021 at Indian Institute of Technology Hyderabad.
- Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Sustainable Green Composites: Design, Manufacturing and Characterization" from 09/08/2021 to 13/08/2021 at NIT Meghalaya.
- Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Fabrication and Characterization of Thin Films for Future Technological Applications" from 16/08/2021 to 20/08/2021 at The National Institute of Engineering.
- Participated in one week FDP on “Hands on training on origin software” , from 8th -14th Nov 21 conducted by origin pro software.
- Participated in one week FDP sponsored by Ministry of Electronics and Information Technology, (MeitY), GOI sponsored 40 hour online FDP on Wireless sensor network architecture design”, organized by NIT Warangal and NIE Mysuru from 15th -22nd June 2022
- Participated in one week FDP on Quantum physics leading to Photonics, from 10th -15th Oct 2022 GHRCE, Nagpur.