

Academics

1. Subjects Taught

- Circuit Theory and Analysis
- Automotive Electronics and Electrical Systems
- Entrepreneurship and Management
- Electronic Devices and Circuits
- Digital Electronic Circuits
- Operation Research
- MEMS
- Microwaves and Antenna
- Human Resource Management
- Transmission Lines
- ULSI technology
- VLSI Design
- Digital Signal Processing
- Electronic Circuits
- Innovation Studies

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

- i. TEQIP-II sponsored one day entrepreneurship awareness program, Dept. of E & C Engineering, S. J. College of Engineering, Mysuru, 04th April 2014.
- ii. One day seminar on the “Simulation capabilities of COMSOL Multiphysics software”, 14th May 2014.
- iii. One day seminar on “Financial planning- an introduction”, Dept. of E & C Engineering in association with ICICI Bank Mysuru, S. J. College of Engineering, Mysuru, 26th March 2015.
- iv. Two days National workshop on “Simulation and fabrication of Nanomaterials and nanodevices for sensor applications”, Dept. of E & C Engineering, S. J. College of Engineering, Mysuru, 29th -30th May 2015.
- v. An invited lecture on “Entrepreneurship Awareness Program and Intellectual Property Rights”, Dept. of E & C Engineering S. J. College of Engineering, Mysuru, 06th April 2016.
- vi. Industrial visit to Supreme Plastisizers, Near RBI, Metagalli Industrial area, Mysuru on 20th April 2017. For II sem Industrial Electronics M.Tech students (2016-2017 batch) to formulate/solve problems associated with manufacturing processes and applying the LP techniques on real world problems in an organization.
- vii. TEQIP-III sponsored Two days International Workshop on “Recent Trends in Nanomaterials for Energy and Electronic Applications”, on 11th – 12th Jan 2018.

Title	Date	Amount claimed by TEQIP	Broad area	No. of participants	Natl/intl
Recent Trends in Nanomaterials for Energy and Electronic Applications	11-12 th Jan 2018	61, 728/-	Nanomaterials	53	Intl
Dept. of E & C, SJCE Mysuru					

- viii. TEQIP-III sponsored one week Faculty Development Programme on “Development of Smart Sensor Technology for Electronic Applications” from 04th – 08th Feb 2019.

Title	Date	Amount claimed by TEQIP	Broad area	No. of participants	Natl/intl
Development of Smart Sensor Technology for Electronic Applications Dept. of E & C, SJCE Mysuru	04 th – 08 th Feb 2019	1,66,573/-	MEMS sensor and smart materials	60 Extl:10	Natl

- ix. TEQIP-III sponsored invited talk on “Circuit Analysis using Laplace Transforms” on 05th Nov 2019. Total budget: 3200/-
- x. TEQIP-III sponsored two-week faculty development programme on “Fabrication of Electronic Devices using Nanomaterials” from 24th Aug to 04th Sep 2020.

Title	Date	Amount claimed by TEQIP	Broad area	No. of participants	Natl/intl
Fabrication of Electronic Devices using Nanomaterials	24 th Aug to 04 th Sep 2020	22,300/-	Development of electronic devices, nanomaterials	162 Internal : 53 Extl:109	Natl

- xi. Organized in a team induction programme and fresher’s day from 28th Dec to 4th Jan 2021 for the academic year 2020-2021, JSS S&TU (SJCE), Mysuru.
- xii. Half day training (offline) on “Usage of IEEE resources” for UG students, faculties and research scholars from 2.30 to 5.30 PM on 16th Feb 2021. Speaker: Mr. M.S. Srinivas, IEEE representative, EBSCO, Bengaluru. No. of participants 75, IS/CS seminar hall.

- xiii. Half day training (online) on “Usage of IEEE resources” for PG students from 2.30 to 4.30 PM on 09th Mar 2021. Speakers: Mr. M.S. Srinivas and Mr. Dhanu Pattanashetti, IEEE representative, EBSCO, Bengaluru. No. of participants 154. Link for the session to attendees:
<https://ebscoindia.webex.com/ebscoindia/onstage/g.php?MTID=eb57cf3152cafc1ee34b585f793119274>
- xiv. 7-day Hands-on training on “Origin-Pro” software in collaboration with Spark Institute of Advance Science (SIAS), Kerala from 8th to 14th Nov 2021.
- xv. 8-day online faculty development program on “Nanomaterials for Analytical Techniques”, organized by the Electronics and ICT Academy, NIT Warangal, in association with Department of ECE, JSS S&TU (SJCE), Mysuru from 18th to 25th July 2022.

3. Number of Ph.D students guiding/ guided details: Guiding

No. of students registered: 04, Completed: 01, Submitted: 01, Under progress: 02				
Sl. No	Name	Title of the research work	Year	Progress
1.	Prasenjit Biswas MSc, Engineering by research	A study on the suitability of silicone rubber for outdoor DC application (1CP13MEN09)	2013-2014 (FT) VTU (CPRI)	Completed
2.	N. Shivaprasad	Perovskite decorated polymer nano hybrids for photoelectronics	2015-2016 (PT)	Comprehensive completed
3.	Guruprasad. B	Performance Evaluation of Piezoresistive MEMS/NEMS Cantilever for the Detection of Volatile Organic Compounds in different Environmental Conditions	2016- 2017 (FT)	Viva exam pending
4.	Parvathy Bhaskar	Development of nano ZnO surge protectors for power applications	2018- 2019 (FT)	JSS STU (JSTD18EC E001)