Courses Taught :

1. C++ and Data Structures
2. Microprocessors
3. Transducer and Instrumentation I
4. Analytical Instrumentation
5. Lasers and Optical Instrumentation
6. Biomedical Instrumentation
7. Aircraft Instrumentation
8. Digital Image Processing
9. Computer Networks
10. Operating Systems
11. Big Data Analytics
12. Network analysis
13 BIOMEMS AND NANOTECHNOLOGY
14. Health Care Data Analytics

UG Labs
1. Logic Design Lab
2. Microprocessor Lab
3. Instrumentation Lab
4. Electronics lab
5. Process Instrumentation Lab
6. Analog Electronics Lab
7. Python and Raspberry Pi Lab
8. Control System Lab

WORKSHOP CONDUCTED:

1. One week online FDP on "**Research Avenues in Healthcare Technology**" from 21st to 25th July 2020

2. Five Day Workshop on **Programming Raspberry Pi Using Python** from 25th – 29th Jan 2017 Sponsored under TEQIP Phase – II

3. Two day "**Hands-on Workshop on Raspberry Pi**" for the students of sixth semester E&I, from 1st to 2nd April 2019.

4. Workshop on **"Testing and servicing of Electronic Lab Equipments"** for Technical Staff from 09th - 11th October 2014 Sponsored under TEQIP Phase – II

WORKSHOPS AND CONFERENCES ATTENDED:

Two week

1. Two week online Faculty Development Programme on "**Fabrication Of Electronic Devices Using Nanomaterials**" organized by Department of Electronics and communication engineering , Sri Jayacharamarajendra college of Engineering , Mysore, from 24th August to 4th September 2020.

2. Two week online faculty development program on "**Applied Data Science**"organized by the Department of Electronics and Communication Engineering, BMS College of Engineering in association with the IETE, Bangalore Centre, Bangalore from 6thJuly to 17th July 2020.

3. Two week online faculty development program on "**Development Programme on Python**"organized by the Department of Electronics and Communication Engineering, JSS Academy of Technical Education, NOIDA in association with the IIT, Bombay, funded by National Mission on Education through ICT, MHRD, Government of India from 22nd June to 04th July 2020.

4. Two week TEQIPonline course on "**Digital Transformation in Teaching Learning Process**" conducted by IIT Bombay, During 14th Feb to 6th Mar 2020.

5. Two week AICTE sponsored faculty development program on "**Implications of IoT using Android Applications**"**,** organized by Dr. AIT, Bengaluru, from 15th – 27th July 2019.

6. Two week GIAN (Global Initiative of Academic Networks) course on "**Theoretical And Practical Aspects Of The Industrial Internet Of Things**", Conducted at Sri Jayachamarajendra College of Engineering, Mysuru, from 5th to 16th February 2018.

7. Two weeks FDP on "**Biomedical signal processing and analysis for cognitive neuroscience study**"**,** (sponsored by AICTE) organized by Department of Electronics and Communication Engineering, PDA college of Engineering, Kalaburagi, from 1st to 12th January 2018.

8. Two week workshop on "**Introduction to Research Methodologies**" conducted by IIT Bombay under the National Mission on Education through ICT(MHRD, Govt. of India) at Amrita School of Engineering, Bengaluru from 25th June to 4th July 2012

One week

1. One week online FDP on **"Sensors Applications through Internet of Things"** AICTE Training and Learning (ATAL) Academy organized by Dept. of E&I, University B D T cpllege of Engineering(CONSTITUENT COLLEGE OF VTU BELAGAVI).Davanagere from 20th to 24th October 2021.

2. One week online FDP on **"Instrumentation, Signals and Images for the Evaluation of Physiological Systems"** AICTE Training and Learning (ATAL) Academy organized by National Institute of Technology Tiruchirappalli. from 16th to 20th August 2021.

3. One week online FDP on on **" An insight to Biomedical Instrumentation, Biomedical Signal and Image Processing with hands on experiance and LabVIEW Programming"** AICTE Training and Learning (ATAL) Academy organized by Poojya Doddappa Appa College of Engineering, Kalaburagi. from 02nd to 06th August 2021.

4. One Week Workshop on **"Digital Forensics and Investigations"** jointly organized by Department of Master of Computer Applications, Computer Science and Engineering and Information Science and Engineering, M S Ramaiah Institute of Technology, Bangalore. . from 9th to 13th August 2021.

5. One week Indo - US SPARC online workshop on "**Application of Electrotherapy in Healthcare**" jointly organized by IIT Kharagpur and Purdue University, USA, from 10th May to 14th May 2021.

6. One week online workshop on "**Academic and research writing**" organized by department of ECE, ATME College of Engineering, Mysuru on 25th ,26th March and 29th March to 31st March 2021

7. One Week Online FDP on "**Mathematics for Machine learning**", AICTE Training and Learning (ATAL) Academy organized by Sri Jayachamarajendra College of Engineering, JSS Science and Technology University, Mysuru from 18th January to 22nd January 2021.

8. Six days AICTE Sponsored Online Short Term Training Program (STTP) on "**Pedagogy for effective use of ICT in Engineering Education**" organized by the Department of Electronics & Instrumentation Engineering, Dr. AIT, Bengaluru from 23rd November to 28th November 2020.

9. One week online webinar series on "**Healthy Lifestyle Management during and after COVID Scenario**" , organised by the Department of Physical Education and COVID Cell,SJCE, JSS S&TU, Mysuru, from 19th to 23rd October 2020.

10. One week online FDP on **"Recent Trends in IoTs and Cloud Computing"** AICTE Training and Learning (ATAL) Academy organized by Government Engineering College, Hassan, from 12th October to 16th October 2020.

11. One week online FDP on "**Artificial Intelligence and Machine Learning Applications in Biomedical Engineering**" AICTE Training And Learning (ATAL) Academy organized by University BDT College of Engineering, Davanagere, from 21st September to 25th September 2020.

12. One Week online FDP on **"Assessment and Evaluation in Higher Education"** organized by CREATES, IISER Bhopal, MHRD, Government of India from 27th August to 4th September 2020.

13. One week online Faculty Development Programme on **"Blockchain Technology and its Applications"**, held during 17th August to 21st August 2020 organized by Dept. of Information Science and Engineering in association with Dept. of IT, NITK, Surathkal.

14. One week online Faculty Development Programme on " **Concepts, Methods, Challenges and Future Directions in Medical Image Analysis using Machine Learning**" organised by the Department of Electronics and Instrumentation, SJCE , JSS S&TU, Mysuru, from 10th August to 14th August 2020, under TEQIP Phase III.

15. One week online Faculty Development Programme on " Data analytics using R" organised by the Department of Information science and Engineering , VVCE, Mysuru, from 10th August to 14th August 2020.

16. One week online faculty development program on **"Cyber-security: ways to safeguard everyone from cybercrime"** organized by the Department of Biotechnology under TEQIP phase III, SJCE, Mysuru, from 03rd August to 7thAugust 2020.

17. One week online faculty development program on **"Demystify Design Thinking in Multidisciplinary Engineering : IT Approaches"** organized by the Department of Information Science and Engineering, Computer Science and Engineering and Master of Computer Applications, RIT, Bangalore from 27th July to 1st August 2020.

18. One week online faculty development program on **"LaTeX and its Applications for Researchers"** organized by the Department of Information Science and Engineering, VVCE, Mysuru, from 20th July to 24th July 2020.

19. One week online faculty development program on **"Advances in Artificial Intelligence, Machine Learning and Robotics"**organized by the Department of Electronics and Communication Engineering, VVCE, Mysuru, from 6th July to 10th July 2020.

20. One week STTP though ICT Mode on "**Digital System and Programmable Logic Control (PLC)"**organized by NITTR, Kolkata, from 22^{nd}June to 26th 2020.

21. One week online faculty development program on **"Data Science and IOT"** organized by the Department of Computer Science and Engineering, SECAB Institute of Engineering and Technology, Vijayapura in association with ISTE from09^{th} June to 13th June 2020.

22. One week faculty development program on **"Deep Architecture Advances in Machine Learning for Biometrics"** organized by the Department of Electronics and Instrumentation and Department of Computer Applications, SJCE, Mysuru, from 10th Octto 15^{th}Oct 2019.

23. One week workshop on "*Recent Advances in Electronics, Instrumentation and Control Engineering*" organized by the Department of Electronics and Instrumentation, SJCE, Mysuru, from 22nd Aug to 26th Aug 2019.

24. One week ISSS foundation course on **"Bio-MEMS"**, conducted at IISc., Bangalore from 1st - 7th July 2019.

25. One week faculty development program on **"Characterization of materials by Advanced analytical Techniques",** organized by Department of Polymer Science and Technology, Sri Jayachamarajendra College of Engineering, JSSSTU, Mysuru, during 17th – 21st June 2019.

26. One week workshop on **"Development of Smart Sensor Technology Towards Electronic Applications",** organized by Department of Electronics and Communication, Sri Jayachamarajendra College of Engineering, JSSSTU, Mysuru, on 4th and 8th February 2019.

27. Seven day training program on **"Data Analytics, Machine Learning and Applications in Engineering",** Sri Jayachamarajendra College of Engineering, JSSSTU, Mysuru, during 10th – 16th January 2019.

28. One week workshop on **"Analysis of Biomedical Signals and their Mathematical Modelling",** Sri Jayachamarajendra College of Engineering, JSSSTU, Mysuru, during 24th – 28th December 2018

29. Five day Workshop on **"Computational Linear Algebra"**, (Sponsored by TEQIP-II) conducted by Department of Electronics & Communication Engineering, Sri Jayachamarajendra College of Engineering, Mysuru, from 7th to 11th December 2016.

30. Five day Workshop on **"Internet of Things(IoT) and Its Applications"**, (Sponsored by TEQIP-II) conducted by Department of Electronics & Communication Engineering, Sri Jayachamarajendra College of Engineering, Mysuru, from 8th to 12th September 2016.

31. Five day Workshop on **"Advances in Pattern Recognition: An approach through MATLAB"**, (Sponsored by TEQIP-II) jointly organized by Department of Electronics & Communication Engineering and Department of Electrical and Electronics Engineering, Sri Jayachamarajendra College of Engineering, Mysuru, from 31th August to 4th September 2016.

32. Five day Workshop on **"Digital Image Processing: Basics to Recent Trends"**, organized by department of Computer Science and Engineering, Sri Jayachamarajendra College of Engineering, Mysuru under TEQIP-II from 13th June to 17th June 2016.

33. Six day Workshop on **"Pedagogy of Instructional Design and Delivery System"** conducted by Sri Jayachamarajendra College of Engineering, Mysuru under TEQIP-II from7th June to 12th June 2016.

34. Five Day FDP on **"Recent Trends in Biomedical Signal and Image Processing"**, (Sponsored by TEQIP-II) conducted by Department of Instrumentation Technology, Sri Jayachamarajendra College of Engineering, Mysore from 10th to 14th March 2016.

35. Five day Workshop on **"Linear Algebra for Electrical Sciences"** (Sponsored by TEQIP-II) conducted by Department of Electronics & Communication Engineering, Sri Jayachamarajendra College of Engineering, Mysuru, from 26th Feb to 29th Feb 2016.

36. Five day **"Hands on Course on FPGA and ASIC Design"** (Sponsored by TEQIP-II) conducted by Department of Electronics & Communication Engineering, Sri Jayachamarajendra College of Engineering, Mysuru, from 28th Dec 2015 to 1st Feb 2016.

37. One week Faculty Development Programme on **"Embedded System Design using ARM 7 and TMS320C6713"** Sponsored under TEQIP Phase II **from 14th - 18th July 2014** organized by Department of IT, SJCE, Mysore

38. One week faculty development program on "**Recent advances in medical imaging techniques**" from 26th March to 30th March 2012 at GSSS Institute of Engineering and Technology for Women, Mysore.

39. Five day FDP on **"Automotive Fundamentals for Designing Embedded systems"** from 20-02-2010 to 24-020-2010, organized by Dr. AIT and Robert Bosch, Bangalore.

Four Day

1. Four day Webinar series on **"Outcome Based Education – A New Perspective"** organized by the Department of Information Science and Engineering, VVCE, Mysuru, from 27th July to 30th July 2020.
2. Four day Webinar series on **"Outcome Based Education – A New Perspective"** organized by the Department of Information Science and Engineering, VVCE, Mysuru, from 27th July to30th July 2020.

Three Day

1. Three day online FDP on "**Intellectual property rights and patents"** organized by IEEE Computer Society Student chapter, VVCE, Mysuru from 8th to 10th April 2021.

2. Three day online faculty development program on **"Recent Trends in Photonics"** organized by the Department of Electronics and Communication Engineering, Dayananda Sagar University, Bengaluru from 30th June to 2nd July 2020.

3. Three day Webinar series on **"Telemedicine, IOT and Nano Science"** organized by GSSSIETW IEEE Bangalore Section and IEEE CAS Bangalore Chapter from 10th June to 12th June 2020.

4. Three day workshop on **"Foundation Course on Data Analytics & Learning"**, Sri Jayachamarajendra College of Engineering, JSSSTU, Mysuru, from 5th to 7th July 2018.

Two Day

1. Two day Journal Citation Report(JCR) Certification Series organized by the Clarivate on 15th and 17th june 2021

2. Two day workshop on **"Biomedical Signal Acquisition and Analysis**" , organised by the Department of Electronics and Instrumentation, SJCE , JSS S&TU, Mysuru, from 26th to 27th August 2020, under TEQIP Phase III.

3. Two day seminar on **"Industry Institution Interaction and Research Meet in the area of Electronics and Instrumentation Engineering and Healthcare Engineering",** organized by Department of Electronics and Instrumentation, Sri Jayachamarajendra College of Engineering, JSSSTU, Mysuru, on 26th and 27th April 2019.

4. Two day workshop on **"Hands on Practice with Visual TCAD"**, organized by Department of Electronics and Communication, Sri Jayachamarajendra College of Engineering, JSSSTU, Mysuru, on 8th and 9th March 2019.

5. Two day Workshop on **"Research Methodologies"**, conducted by JSS Science and Technology University, Mysuru , from 18th to 19th November 2017.

6. Two day Workshop on **"Research Avenues in Biometrics and Forensic Science",** (Sponsored by TEQIP-II) conducted by Department of Instrumentation Technology and Master of Computer Applications, Sri Jayachamarajendra College of Engineering, Mysuru, on 24th and 25th June 2016.

7. Two day Workshop on **"Advanced Topics in Control Systems"**, (Sponsored by TEQIP-II) conducted by Department of Electronics & Communication Engineering, Sri Jayachamarajendra College of Engineering, Mysuru, on 1st and 2nd April 2016.

8. Two day Workshop on **"Recent Trends in Communication Technology"** (Sponsored by TEQIP-II) conducted by Department of Electronics & Communication Engineering, Sri Jayachamarajendra College of Engineering, Mysuru, from 29th Jan to 30th Jan 2016.

9. Two day Workshop on **"Speech Signal Processing and its Applications"** (Sponsored by TEQIP-II) conducted by Department of Information Science, Sri Jayachamarajendra College of Engineering, Mysuru on 6th & 7th Nov 2015.

10. Two day workshop on **"Challenges in medical imaging"** from 22nd march to 23rd March 2013 organized by Department of IT, SJCE, Mysore . And Philips Electronics India Ltd.

11. Two days ISTE workshop on **"Aakash for education"** from 10th Nov to 11th Nov 2012 conducted by IIT Bombay under the National Mission on Education through ICT(MHRD, Govt. of India) at Sri Jayachamarajendra college of Engineering.

12. Two day workshop on **"Rehabilitation Engineering"** under TEQIP from 20-12-2008 to 21-12-2008, organized by the department of IT, SJCE, Mysore.

One Day

1. One Day Online Webinar Programme on **'Webinar on INTRODUCTION TO MEMS, PLATFORMS & SERVICES OF INFABTECH'** held at Nitte Meenakshi Institute of Technology 23rd July 2021.

2. One day webinar on "**Trustworthiness and reliability of Engineering and IT Professionals**" organized by Department of Electronics and communication engineering, Dr. Ambedkar Institute of Technology, Bengaluru on 12th July 2021.

3. One day webinar on "**HAMARA TEJAS - India's own 4th Gen Fighter"** organized by Department of Electronics and communication engineering, Dr. Ambedkar Institute of Technology, Bengaluru on 24th June 2021.

4. One day webinar on "**Complexity and Excitement of Aerospace Control"** organized by Department of Electronics and communication engineering , Dr. Ambedkar Institute of Technology, Bengaluru on 18th June 2021.

5. One day webinar on "**Role of Dr. B.R. AMBEDKAR and his Vision towards Women Empowerment and Education"** organized by Department of Electronics and communication engineering , Dr. Ambedkar Institute of Technology, Bengaluru on 12th June 2021.

6. One day webinar on "**NEP 2020: Engineering Education"** conducted by Internal Quality Assurance Cell (IQAC), BVCOE, Navi Mumbai **on** 13th March 2021**.**

7. One Day Workshop on "**ML in Engineering and Science"**, organized by Department of Electronics and communication engineering , Sri Jayacharamarajendra college of Engineering , Mysuru on 18th February 2021.

8. One Day webinar on "**How to Write an Effective Technical Paper"**, organized by GSSSIETW, IEEE student branch in association with IEEE Bangalore section and CAS Bangalore chapter on 24th August 2020.

9. One day National Webinar on "**Deep Learning Models and Applications"**organized by Department of ISE, Dr. AIT, Bengaluru on 18th July 2020.

10. One day Webinar on "**Embedded System and IOT"**, organized under Citronics Club by the Department of ECE, City Engineering College, Bangalore on 13th July 2020.

11. One day Webinar on "**Importance of Medical Equipment Testing and Calibration"**, organized by Department of BME, KLE Dr. M S Sheshagiri College of Engineering and Technology, Belagavi on 4th July 2020.

12. One day National Webinar on "**Deep Learning Models and Applications"**organized by Department of ISE, Dr. AIT, Bengaluru on 18th July 2020.

13. One day Webinar on "**Embedded System and IOT"**, organized under Citronics Club by the Department of ECE, City Engineering College, Bangalore on 13th July 2020.

14. One day Webinar on "**Importance of Medical Equipment Testing and Calibration"**, organized by Department of BME, KLE Dr. M S Sheshagiri College of Engineering and Technology, Belagavi on 4th July 2020.

15. One day Webinar on "**IEEE Projects on Emerging Technologies"**, organized by GSSSIETW IEEE Student Branch in association with IEEE Bangalore Section and CAS Bangalore Chapter on 29th June 2020.

16. One day Webinar on "**Medical Oxygen Concentrator (Application & Hardware)**", organized by Department of ETE and IE, AISSMS Institute of Information Technology, Pune in association with Top Biomed on 27th June 2020.

17. One day Webinar on "**Myths and the Reality of 5G",** organized by IEEE BIT, Student Branch and IEEE Bangalore section, on 27th June 2020.

18. One day Webinar on "**Satellite Image Processing: Feature Extraction",** organized by Department of ECE, Bangalore Technological Institute, Bengaluru on 27th June 2020.

19. One day Webinar on "**Research Funding Agencies and How to Write Good Proposals**", organized by Department of CSE, Angadi Institute of Technology and Management, Belagavi on 26th June 2020.

20. One day Webinar on "**Low Power Design Techniques for Digital Circuits",** organized by IEEE CAS Society Bangalore chapter in association with IEEE Bangalore Section held on 26th June 2020.

21. One day Webinar on "**Industry 4.0**", Department of EIE, GSSSIETW, Mysuru on 25th June 2020.

22. One day Webinar on "**Image Processing and Deep Learning using MATLAB**", organized by the Department of ECE, NIE, Mysuru on 25th June 2020.

23. One day Webinar on "**Power for CMOS VLSI circuits",** organized by IEEE CAS Society Bangalore Chapter in association with IEEE Bangalore Section held on 20th June 2020.

24. One day Webinar on "**Wholistic Development**", organized by VaNIEta Abhyudhaya Ladies Club, NIE, Mysuru on 12thJune 2020.

25. One day Webinar on "Current Trends IoE, IoT&IoNT**",** organized by Department of ECE, SJBIT, Bangalore on 8th June 2020.

26. One day Webinar on "**Cyber Security Awareness**", organized by NIE-CSI Student Branch in association with Cyber Peace Foundation on 6th June 2020.

27. One day Webinar on "**Block Chain Technology**", organized by NIE-CSI Student Branch on 3rdJune 2020.

28. One day workshop on **"Stress Management"** an initiative under TEQIP – III, Equity Action Plan (EAP) organized by Department of Electrical and Electronics Sri Jayachamarajendra College of Engineering, JSSSTU, Mysuru, on 28th February 2019
.

29. One day Workshop on **"Technological Advances in M – Health and Diagnosis of Diseases Using Retinal Imaging"** conducted by JSS Research Foundation, Mysuru from 25th Jan 2016.

30. One day seminar on " **simulation capabilities of COMSOL Multiphysics".** on May 14, 2014, organized by Department of Electronics and Communication, SJCE, Mysore

31. One day workshop on **"Breast Cancer - Its Cause, Detection And Therapy"** on 17th Feb 2014 organized by Department of Biotechnology SJCE, Mysore .

Coursera/NPTEL Online Certification Courses

1. Successfully completed twelve week NPTEL online course on **"Introduction to Embedded system design"** conducted by IIT, Jammu, during January–August 2021.

2. Successfully completed the three week Coursera onlinecourse on **"Data Collection and Processing with Python"** authorized by University of Michigan on 19th August 2020.

3. Successfully completed the three week Coursera onlinecourse on "**Open Source Software Development Methods"** authorized by The Linux Foundation on 26th August 2020.

4. Successfully completed the three week Coursera onlinecourse on "**Introduction to Big Data"** authorized by University of California San Diego on 27th July 2020.

5. Successfully completed the seven week Coursera onlinecourse on "**Python Data Structures"** authorized by University of Michigan on 10th July 2020.

6. Successfully completed the four week Coursera online course on "**Neural Networks and Deep Learning"**authorized by deeplearning.ai,on22ndJune 2020.

7. Successfully completed the seven week Coursera online course on "**Programming for Everybody"** authorized by University of Michigan on 20th June 2020.

8. Successfully completed the eight week NPTEL online course on **"Programming, Data Structure and Algorithms using Python"** conducted by IIT Madras, during Jan-Mar 2020.

9. Successfully completed the four week NPTEL online course on **"Real Time Operating System"** conducted by IIT Kharagpur, during Feb-Mar 2020.

10. Successfully completed twelve week NPTEL online course on **"Sensors and Actuators"** conducted by IISc, Bangalore, during July –Oct 2019.

ADDITIONAL INFORMATION:

- Guiding UG and PG projects
- Actively involved in BOS and BOE activities of the department
- Actively involved in conduction of Even Semester End Examination 2013
- Actively involved in the activities related to NBA
- Actively involved in the activities related to NAAC
- Nominated as Time Table coordinator of the department by The HOD.
- Took active participation in the organization of workshop on "Recent Trends in Biomedical Signal and Image Processing" organized by the department.
- Took active participation in the organization of workshop on "Embedded System Design using ARM 7 and TMS320C6713" organized by the department.
- Took active participation in the organization of workshop on "Challenges in medical imaging" organized by the department.
- Involved in the preparation of the documentation for ISO 9001/2008 certification.

PROJECTS GUIDED:

- UG PROJECTS – 18
- PG PROJECTS – 07