

Faculty Profile

Brief Profile (Few Paragraphs)



Personal Information

- **Name:** Dr. PRASANNA KUMAR S C
- **Designation:** Professor
- **Department:** Electronics AND Instrumentation Engineering
- **Email:** prasannakumar@rvce.edu.in
- **Phone:** 080-68188167

Google Scholar: <https://scholar.google.com/citations?user=fT48AyEAAAAJ&hl=en>

Research Gate:

LinkedIn: www.linkedin.com/in/dr-prasanna-kumar-s-c-769552124

ORCID: <https://orcid.org/0000-0002-1823-1291>

Domain of Expertise

Biomedical Engineering

Research Focus

1. **Primary Area:** Biomedical Engineering, Signal processing.
2. **Allied Areas:**
 - o Additive Manufacturing
 - o Nanomaterials, IoT for Health Care.

Academic Qualifications

- **Ph.D.:** Computer Science, Avinashilingam University, Coimbatore. 2009
- **M.Sc./M.Tech:** Bio-Medical Instrumentation. Mysore University 1997,
- **B.E./B.Tech:** Instrumentation Technology, Mysore University, 1991
- **Postdoctoral Research:** --

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration(From-To)
1.	Adichunchanagiri Institute of Technology, Chikmagaluru.	Lecturer	June 1997 – April 1 st May 1998
2.	RV College of Engineering, Bengaluru	Lecturer,	2 nd May 1998 – July 2005.
3.	RV College of Engineering, Bengaluru	Senior Lecturer	August 2005 – March 2007.
4.	RV College of Engineering, Bengaluru	Assistant Professor	April 2007 – December 2010.
5.	RV College of Engineering, Bengaluru	Associate Professor	January 2011 – February 2012.
6.	RV College of Engineering, Bengaluru	Professor	March 2012 – Till date.

Publications & Patents

Journal Publications

Q1 Rated

1. V. Vijayalakshmi¹ · D. Mahesh Kumar² · S. C. Prasanna Kumar³ · S. Veeramani⁴, Soil salinity prediction based on hybrid classifier: study on Bellary and Chamarajanagar district in Karnataka, Springer Publications, Published online 26 October 2023.
2. Dr. S C Prasanna Kumar, Mrs. Sushma S J, “An Efficient Random Forest (RF) Model for Breast Cancer Detection”, 2022

Q2 Rated

3. Vijayalakshmi Venugopal^{1*} , Doddananjedevaru Mahesh Kumar² , Veeramani Selvaraj³ , Shiradanahalli Chandrashekaraiah Prasanna Kumar⁴ Analysis of Salinity Indices Using SVM Based Approach of Ballari Town, India, Mathematical Modelling of Engineering Problems, Vol. 10, No. 5, October, 2023, pp. 1803-1810
4. Dr. Prasanna Kumar S C, Sushma S J, “A cost-sensitive logistic regression model for breast cancer detection” Imaging Science Journal, Taylor & Francis Journal, Published online: 21 Jan 2023, Pp 1-9, 2023. DOI: 10.1080/13682199.2022.2161697

International conferences and International Journals

1. Nitya N. Kulkarni, Nagaraja G. S, B. G. Sudarshan, S. C. Prasanna Kumar, S. Venkatesh, "Comparative Study of Deep Learning Models to Classify Arrhythmia" 8th IEEE International Conference on Computational Systems & Information Technology for Sustainable Solutions, 7th to 9th November, 2024, Organized by RV College of Engineering.
2. Dr. S C Prasanna Kumar, Anu V, "Design of Micropump for Microfluidic System Based Diabetes Management" International Journal of Innovative Science and Research Technology" Volume 4, Issue 5, May 2019.
3. Dr. S. C. Prasanna Kumar, Dr. A.H. Manjunatha Reddy, Anupama M Nayak, R. Rachana, Vishakh M M, "Segmentation of MRI Images of Gliomas Using Convolutional Neural Networks" Communicated to Computer Methods in BioMechanics and Biomedical Engineering Journal
4. Dr. Prasanna Kumar S C, Sushma S J, "A Novel Approach to Jointly Address Localization and Classification of Breast Cancer using Bio-Inspired Approach " International Journal of Electrical and Computer Engineering (IJECE), **Apr 2019. Scopus Indexed Paper.**
5. Dr. Prasanna Kumar S C, Rima Raj, Riya Saini, Snigdha Mishra, "IOT Based Pantry Management System" JETIR, Volume 7, Issue 8, August 2020.
6. Dr. S C Prasanna Kumar, Kavitha S N, "Multimodal biometric identification with the aid of advanced transforms and random forest classifier", International Transaction on Engineering & Science, Volume 1, Issue 3, Feb 2019, Pg:1-10.
7. Dr. S C Prasanna Kumar, Ashwini Kotrappa, K. Jyothi, Indraj N, Soumya B L, "Real Time Water Quality Monitoring System for Vrishabhavathi River of Bengaluru" International Journal of Advance Research and Innovative Ideas in Education" volume 5, Issue 3 2019, ISSN(O): 2395-4396
8. Dr. Prasanna Kumar S C, Ms. Snehabharathi S K, "A review of Depression Analysis Using Facial Cues" International Journal of Innovative Science and Research Technology, Volume 4, Issue 4, April 2019
9. Dr. Prasanna Kumar S C, Mr. William Thomas HM, Dr. D Jayadevappa, "Development of novel algorithm for the segmentation of brain tumor using hybrid approach" Journal of International Pharmaceutical Research, ISSN: 1674-0440, March 2019. Pp217-222. **Scopus Indexed Paper.**
10. Dr. Prasanna Kumar S C, G R Poornima, Efficient H.264 Decoder Architecture Using External Memory and Pipelining Indonesian Journal of Electrical and Computer Science, Vol. 12. No. 3. December 2018, ISSN: 2502-4752. DOI: 10.11591/ijeecs.v12.i3.pp995-1002. **Scopus Indexed Paper.**
11. Dr. Prasanna Kumar S C, Deepashree Devaraj, "Development of a hybrid framework to characterize red lesions for early detection of diabetic retinopathy", Indonesian Journal of Electrical Engineering and Computer Science, Vol. 13, No. 3, March 2019, ISSN: 2502-4752, DOI: 10.11591/ijeecs.v13.i3.pp962-973 **Scopus Indexed Paper.**
12. Dr. S. C. Prasanna Kumar, Deepashree Devaraj, Suma R, "Review on segmentation of exudates and microaneurysms for early detection of Diabetic retinopathy" Materials today proceedings, Volume 5, Issue 4, Part 3, 2018, Pages 10845-10850. ISSN: 2214-7853. (**Scopus indexed and Elsevier Publication**).

13. Dr. S. C. Prasanna Kumar, Deepashree Devaraj, Suma R, "Detection of Exudates through Local Binary Pattern in Diabetic Retinopathy" in Communications in Computer and Information Science 801, pp.29-39, DOI: 10.1007/978-981-10-9059-2_4. (**Scopus indexed and Springer Publication**)(**Book chapter**)
14. Prasanna Kumar S C, Sushma S J, "A Novel Approach to Jointly Address Localization and Classification of Breast Cancer using Bio-Inspired Approach " Paper accepted by International Journal of Electrical and Computer Engineering (IJECE) date of acceptance: 09 September 2018, **will be published in Apr 2019**
15. Dr. Prasanna Kumar S C, Dr. D Jayadevappa, William Thomas H M, "Automatic Brain Tumor Segmentation Using FPGA Platform", International Journal of Pure and Applied Mathematics, ISSN 1314-3395, Feb 2018.
16. Dr. Prasanna Kumar S C, G R Poornima, "4x4 Luminance Intra Prediction Modes for 264/AVC", International Journal of Electronics, Electrical and Computational System IJECS ISSN 2348-117X Volume 6, Issue 7 July 2017, Pp-500-504.
17. Dr. Prasanna Kumar S C, Dr. Basavaraj V Hiremath, K GunaShekar, Pancham Bopanna D, C Jayvardhan Chetty, "Identification of Efficient Patterns for the Detection of Lung Cancer" Grenze International Journal of Computer Theory and Engineering, volume 3, Issue 4, ISSN 2455-1694, Dec-2017, Pp 533-537.
18. Dr. Prasanna Kumar S C, Mrs. Sushma S J, "Multi-Stage Optimization Over Extracted Feature for Detection and Classification of Breast Cancer", Advances in Intelligent Systems and Computing - ISSN 2194-5357. Springer Series-Paper, January 2018, **Scopus Indexed Paper.**
19. Dr. Prasanna Kumar S C, Deepashree Devaraj, "Robust detection of Hard Exudates for Diagnosis of Non-Proliferative Diabetic Retinopathy using Integrated Approach", Advances in Intelligent Systems and Computing-ISSN 2194-5357. Springer Series-Paper, January 2018. **Scopus Indexed Paper.**
20. Dr. Prasanna Kumar S C, Harish Babu R, "Estimation of Cardiovascular Aging in Healthy and Diabetic Subjects Using Second Derivative Photoplethysmographic Signals" Published in "International Journal For Research in Applied Science and Engineering Technology" Volume 5 Issue XII (December 2017) UGC Approved Journal.
21. Dr. S. C. Prasanna Kumar, Basavaraj Hiremath, "Automated evaluation of breast cancer detection using SVM classifier", IJCSEIR, ISSN:2249-6831, vol 5, issue 1, pp:11-20, Feb 2015.
22. D Mahesh Kumar, S C Prasanna kumar, B G Sudarshan, D Jayadevappa, "Heart Rate Variability Analysis: A Review", International Journal of Advance Research in Science & Engineering, ISSN 2319-8354, Volume 03, Issue 01, January 2014.
23. D Mahesh Kumar, Prasanna Kumar S.C, B.G Sudarshan, Yadhuraj S.R, "A Study on Impact of Alcohol Among Young Indian Population using HRV Analysis", International Journal of Computer Science, Engineering and Information Technology, Vol. 4, No.4, August 2014.
24. D Mahesh Kumar, Prasanna Kumar S.C, B.G Sudarshan, Yadhuraj S.R, "HRV Analysis for the Study of Neurological and Cardiac Effects of Alcohol on Youth of India", International Journal of Computer

25. D Mahesh Kumar, Prasanna Kumar S.C, B.G Sudarshan, Yadhuraj S.R, "Analysis of HRV to Study the Effects of Tobacco on ANS Among Young Indians", International Journal of Electronics and Communication Engineering & Technology (IJECE), Volume 5, Issue 10, (October 2014). ISSN 0976 - 6464(Print) ISSN 0976 -6472(Online) Volume5, Issue 10, October (2014), pp. 65-73.
26. Dr. S. C. Prasanna Kumar, Gururaj, "Point of care drug administration through handheld mobile device",IJST,issue:4, ,issue 2249-9954,pp 592-595, july 2014.
27. Dr. S. C. Prasanna Kumar,"A review of various technologies and transmission modes for design and development of a transmission enabled glucometer", IJRET JOURNAL,volume:3,issue 6, june 2014.
28. Dr. S. C. Prasanna Kumar, Dr. B G Sudarshan, D Mahesh Kumar, D Jayadevappa," Heart Rate Variability Analysis: A Review", International Journal of Advance Research in Science & Engineering", Vol 3, Issue No. 1, January 2014,
29. Dr.Prasanna Kumar S.C. Deepashree Devaraj," Blood Vessels Segmentation with GUI in Digital Fundus Images for Automated detection of Diabetic Retinopathy", International Conference on Contemporary Computing and Informatics (IC3I), 978-1-4799-6629-5/14/ IEEE, pgs 915-920, 2014.
30. Raveendra Hegde, Dr. B G Sudarshan, Dr. S C Prasanna Kumar, Dr. B S Satyanarayanad,"Design and development of fall detector using fallAcceleration"International Journal of Research in Engineering and Technology, Volume 2 Issue 8–August 2013 Page No 57-61.
31. Raveendra Hegde, Dr. B G Sudarshan, Dr. S C Prasanna Kumar,Dr. Hariprasad S A, Dr. B S Satyanarayanad, "Technical Advances in Fall DetectionSystem – A Review",International Journal of Computer Science and Mobile Computing,Volume 2Issue 7 –July 2013,Page No 152-160.
32. Deepashree Devaraj, Dr.Prasanna Kumar S.C., Nagaveena Hebbbar,"Vessels Segmentation In Diabetic Retinopathy By Adaptive Median Thresholding",The International Journal Of Science & Technology,Volume 1Issue 1- July 2013 Page No 58-63.
33. Sanjeev Kumar, B.G Sudarshan, Dr. S C Prasanna kumar,"Review paper on Estimation of Arterial Stiffness by using PPG Signals",International Journal of Computer Trends and TechnologyVolume 2 Issue 3 May 2013,Page No 1362-1365.
34. Deepashree Devaraj, Dr.Prasanna Kumar S.C.,Manisha,"Automatic Exudate detection for the diagnosis of Diabetic Retinopathy",International Journal of Innovative Research and Studies,Volume 2 Issue 5- May 2013,Page No 657-669
35. Vidyashree, Dr B S Sathyanarayana, B.G Sudarshan, Dr. S C Prasanna kumar,"A review paper on Portable ECG System ",The Board of International Journal on Innovative Research and Development,Volume 2 Issue 3 May 2013,Page No 1262-1277
36. Hemanth Kumar.V , Dr. B.G Sudarshan, Dr. S C Prasanna kumar,"A Review of Different Analyzing Methods to Extract HRV Data"International Journal of Computer Trends and Technology ,Volume 4 Issue 4 –April 2013, Page No 951-954.
37. Dr. S.C.Prasanna Kumar, Dr. B.G.Sudarshan, Priyanka, " A review on different algorithms adapted for image enhancement with Retinex based filtering methods", International Journal of Innovative research & development, Vol 1,Issue 6, Sep 2012.
38. Dr. S.C.Prasanna Kumar, Dr. B.G.Sudarshan, Priyanka, "Development of algorithms for high resolution Retinex for image enhancement", International Journal of Innovative research & development, Vol 1, Issue 11, Sep 2012.
39. Dr. S.C.Prasanna Kumar, Dr. B.G.Sudarshan, Anupama," A review of different image diagnosing methods", ", International Journal of Innovative research & development, Vol 1, Issue 5, Sep 2012.
40. Dr. S.C.Prasanna Kumar, Dr. B.G.Sudarshan, Anupama," Wavelets Based Image dinoising implementation", ", International Journal of Innovative research & development, Vol 1, Issue 11, Sep 2012.
41. Chethan.G, Saurav Pratap Singh, Dr. Padmaja K.V, Dr. Prasanna kumar .S.C., "Instrumentation system for amperometric biosensor", Indian Journal of Applied Research, Vol 1, July 2012, pp 49-51.

42. Anand Jatti, S.C.Prasannakumar, Ramakanthkumar.P, "Segmentation and Analysis of Microscopic Osteosarcoma Bone Images" , International Journal of Electronics Communications and Electricals Engineering (IJECEE), ISSN: 2277- 7040, Vol. 2, Issue 7(July 2012), pp. 1-10.
43. Umashankar , Anand Jatti, S.C.Prasannakumar," Implementation of Advanced Speech Enhancement system on Tms320c6713 Dsk System", Indian Journal of Applied Research, ISSN-2249-55X, Vol1, Issue 12, Sep 2012.
44. Anand Jatti, S.C.Prasannakumar, Ramakanthkumar.P, "Segmentation and Analysis of Osteosarcoma Cancerous Bone Microarray Bone Images-1", Journal of IFRSA's International Journal of Computing (IJIC), p-ISSN: 2231-2153, ISSN:2230-9039, October 2011, Issue: 4, Vol 1, pp 603-609.
45. Mr. Prasanna Kumar. S.C, Dr. Ramakanth, "Optimization of multidimensional ambiguity function using global research algorithm – Genetic Algorithm", International Journal of Emerging Technologies & Applications in Engineering Technology & Science" July 2009, Vol-2, Issue 2 page No. 706 – 712.
46. Mr. Prasanna Kumar. S.C., Dr. Ramakanth, "Wave no. Integration for Generating an Acoustic Field in the measurement of Stratified sea bottom properties using propagator Matrix Approach", The International Journal of Computer Science and Information Security Journal November 2008, Vol-8 No.11, page 238-243.
47. Dr. Prasanna Kumar .S.C, Kavitha.S.N, Shahila.K, “Biometrics Secured Voting System with Finger Print Face and Iris Verification” 2nd International Conference (IEEE) on Computing Methodologies and Communication (ICCMC 2018) on 15-16, February 2018, IEEE ISBN: 978-1-5386-3452-3
48. Dr. Prasanna Kumar S C, Dr. Basavaraj V Hiremath, K GunaShekar, Pancham Bopanna D, C Jayvardhan Chetty, “Identification of Efficient Patterns for the Detection of Lung Cancer”, International Conference on signal, Image Processing, communication and Automation, 6-7, July 2017, JSS Academy of Technical Education, Bengaluru.
49. Dr. Prasanna Kumar S C, G R Poornima, “4x4 Luminance Intra Prediction Modes for H.264/AVC” 3rd International Conference on New Frontiers of Engineering, Science, Management and Humanities (ICNFESMH-2017) at Institution of Electronics and Telecommunication Engineers, Sector 30-B,Chandigarh, India on 29th July 2017, ISBN: 978-81-934083-9-1
50. Dr. Prasanna Kumar S C, G R Poornima, Dr. Ramachandran S, “In-Loop Filter for H.264/AVC” 2nd IEEE International Conference On Recent Trends in Electronics Information & Communication Technology (RTEICT), May 19-20, 2017, India
51. Dr. S. C. Prasanna Kumar et al., Detection od a Brain Tumor Using Segmentation and Morphological Operations from MRI Scan with FPGA. International Conference on Applied and Theoretical Computing and Commenication Technology, 29-31 October 2015, davangere Karnataka.
52. Dr. S. C. Prasanna Kumar et al., ”Functional module design for H.264 video ecoder”, International conference on networking information and communication-ICNIC-2014,Sri Venkateswara college of engineering, pp:497-500, 2014.
53. Dr. S. C. Prasanna Kumar et al, “Implementation of H.264 based real time video compression algorithm for under water channel”, IJECET,vol 5,issue 4, pp 43-49,issn-0976-6464, April 2014.
54. Nikita, Sindu Tiwari, Supreeta , Dr. S.C.Prasanna Kumar , "Brain Computer Interface for communication and control", International Conference on Computer Science and Engineering, 28th April 2013.
55. Chaitra M S, B G Sudarshan, Dr. Prasanna Kumar, "Ultrasound imaging system: A Review", International Conference on Computer Science and Informatics- Hyderabad 9th March 2012.
56. Tejaswini S, B G Sudarshan, Dr. Prasanna Kumar,"Design of Inexpensive User Friendly Digital Vital Monitoring System", International Conference on Computer Science and Informatics- Hyderabad 9th March 2012.
57. Krishna Bai S, B G Sudarshan, Dr. Prasanna Kumar, "Design of an ECG System-Review", International Conference on Computer Science and Informatics- Hyderabad 9th March 2012.

58. Anand Jatti, S.C.Prasannakumar, Ramakanth kumar.P "Advanced Intelligent System for Image Processing of Bone Segmentation", ICCC conference held at R.V. College of Engineering, Bangalore, India during 21-23 Nov 2011.
59. Tabitha Janumala, Dr. S.C.Prasanna Kumar "Stress monitoring using Zigbee Protocol" 4th International Conference on Environmental and Research ICER-11 ,Surath, Dec, 2012
60. Sriganesh A. Damle, Dr.S.C.Prasannakumar, Dr.N.Pradhan," fMRI image processing with auditory stimulus ", International Conference on Emerging Trends in Engineering-2011, pp 332-336.
61. Mr. Prasanna Kumar. S.C, Dr. Ramakanth, "Generating an Acoustic Field for measurement of horizontal stratified sea bottom properties using wave no. Integration with direct Global Matrix Approach " at the International Conference on Signal Processing ICSP 2008 , Bangkok , Thailand.
62. Prasanna Kumar, Dr. Ramakanth "Geoacoustic parameter estimation from Marine Data in shallow water", International conference on Computer, Communication, Control & Instrumentation, NOV 2007, RVCE, Bangalore, India
63. Prasanna Kumar, Padmaja K.V. Shreedevi Kulkarni, " Training an amputee to balance weight equally on both legs using a Digital differential force plate", International conference on Computer, Communication, Control & Instrumentation, NOV 2007, RVCE, Bangalore, India

National Conference

1. Dr. S. C. Prasanna Kumar et al, Detection of a brain Tumor Using Segmentation and Morphological Operations From MRI scan, National Conference on Electronics and Communications (NCEC-2015), 28th & 29th August 2015.
2. Anand Jatti, S.C.Prasannakumar, Ramakanthkumar.P, "Qualitative and Quantitative Human Bone Image Analysis" , National Conference on Emerging Trends in Bio-Medical Signal Processing (ETBMSP-11), organized by Department of Instrumentation Technology, R.V.College of Engineering, Bangalore, Karnataka, pp 39-41, 2011.
3. Shriganesh A Damle, Dr. Prasanna Kumar S C, Dr. N Pradhan, "Fmri Image Processing Of Auditory Stimulus Spm Tool" , One Day National Conference On "Emerging Trends In Bio-Medical Signal Processing", 26 February 2011.
4. Bhagyalakshmi V, Dr N Pradhan, Dr B G Sudharshan, Dr Prasanna Kumar S C, "Understanding Autonomic And Dynamics Under Stress Using Non Linear Analysis Of Data" , One Day National Conference On "Emerging Trends In Bio-Medical Signal Processing", 26 February 2011.
5. Shashikiran Bisleri, Ravindra Munvar, Dr Prasanna Kumar S C, "A Simple And Novel Based Approach For Ecg 'R Peak' And 'Heart Rate' Detection For Low Power Embedded Application" , One Day National Conference On "Emerging Trends In Bio-Medical Signal Processing", 26 February 2011.

Books/Book Chapters

1. **Anupama M. Nayak¹, R. Rachana¹, M. M. Vishakh², S. C. Prasanna Kumar², Praveen Kumar Gupta¹, Sumathra Manokaran¹, and A. H. Manjunatha Reddy, ‘Segmentation of MRI Images of Gliomas using Convolutional Neural Networks’, River Publishers, 2022.**
2. DeepashreeDevaraj, Dr. S. C. Prasanna Kumar, Suma R, “Review on segmentation of exudates and microaneurysms for early detection of Diabetic retinopathy” Materials today proceedings, Volume 5, Issue 4, Part 3, 2018, Pages 10845-10850.ISSN: 2214-7853. (Scopus indexed and Elsevier Publication).
3. DeepashreeDevaraj, Dr. S. C. Prasanna Kumar, “Robust detection of Hard exudates for diagnosis of Non-Proliferative Diabetic Retinopathy using Integrated approach”in Advances in Intelligent Systems and Computing, August 2017, Vol.614, pgs. 525-534. DOI:10.1007/978-3-319-60618-7_52.(Scopus indexed and Springer Publication).
4. DeepashreeDevaraj, Dr. S. C. Prasanna Kumar, Suma R, “Detection of Exudates through Local Binary Pattern in Diabetic Retinopathy” in Cognitive Computing and Information Processing, CCIS 801, pp.29-39, DOI: 10.1007/978-981-10-9059-2_4. (Scopus indexed and Springer Publication)

5. **V. Vijayalakshmi¹ · D. Mahesh Kumar² · S. C. Prasanna Kumar³ · S. Veeramani⁴, Soil salinity prediction based on hybrid classifier: study on Bellary and Chamarajanagar district in Karnataka, Multimedia Tools and Applications, 2023.**

Patents[Filed / Published / Granted]

1. **“Design and Development of Automatic Medication Dispensation and Alerting”, 432493, 22/05/2023. – Granted**

R & Grants & Consultancy Projects

Ongoing & Completed Research Projects

1. Device for ANS Dysfunctioning using HRV analysis, Sponsored by DST Nidhi Prayas SJCE-STEP, Mysore – **Rs. 7 Lakhs** – Co-Principal Investigator, Completed
2. **“Methods of Geoacoustic Parameter Estimation from Marine Reverberation Data”,** Sponsored by NRB, New Delhi - **Sanction letter No. DNRD/05/4003/NRB/179. For Rupees 19.84 Lakhs,** Principal Investigator from RVCE. - Completed
3. **“DESIGN AND FABRICATION OF PRINTED CIRCUIT BOARD” Training programme** Sanctioned by Department of Science and Technology, New Delhi. Through letter no.13/37/2006-NEB.dt. 07.09.2006. - Completed

Ongoing & Completed Consultancy Projects

- NIL

Professional Memberships

- Life member of ISTE

Awards & Recognitions

Nil

[Student Supervision

- Ph.D. Candidates: 11, AWARDED 10
- M.Tech/M.Sc. Students: 15
- Undergraduate Research Mentees: 32

Professional Roles

- **Editorial Board:** Nil
- **Chair/Committee Member:** Finance Chair – CSITSS – 23

Stage committee Head CSITSS – 24

Industry Advisor: Nil

Teaching

Core Courses:[Current semester]

- EI245AT - Sensors and Actuators
- 21HS71 – Constitution of India and Professional Ethics
- 21HS61B – Principles of Management and Economics
- 18EI36 – Measurement and Process Instrumentation
- 18EI6D2 – Bio-Medical Instrumentation
- 18MBS31 – Medical Imaging Techniques
- 10IT36 - Electronic Measurements And Instrumentation
- IT7T4 - Optical Instrumentation.
- IT6T3 - Microcontrollers
- IT406 - Electronic Instrumentation
- EC45 - MICROPROCESSORS (8085)
- IT-6E1 - Remote Sensing and Telemetry
- 06EC45 - FUNDAMENTALS OF HDL
- IT54 - MICROPROCESSORS-8086
- IT751 - Product Design Technology
- 07IT36 - MICROPROCESSOR and MICROCONTROLLERS
- 14LBI 41 - Bio-MEMs and NANOTECHNOLOGY

Advanced/Lab Courses:

- Printed Circuit Board Design Lab
- Digital Electronics Lab.
- Microprocessors & Microcontrollers Lab.
- Data Converters Lab
- HDL Lab

Professional Roles

Responsibilities

Academic:

- HoD (30.01.2012 to 31May 2015),
- Chief coordinator, Autonomous Examination Valuation Center, RVCE (2009 to 2011)

Administrative:

- General Secretary of Sports, RVCE (2007 – 2009, 2022 – till date)
- IQAC Member (2017 – 2022),
- Department NBA Coordinator 2024 NBA.

External Connect

- PMG Member, STPI Bengaluru
- BoE Chairman, VTU Belagavi, 2010-2011
- BoE Member, VTU Balagavi, 2011 – 2012.
- BoS Member Department of Electronics and Instrumentation Engineering, Basaveswara Engineering College, Bagalkote, Karnataka.
- BoS Member Department of Electronics and Instrumentation Engineering, SIT Tumkur
- BoS Member Department of Electronics and Instrumentation Engineering, Dr. AIT, Bengaluru.
- BoS Member Department of Electronics and Instrumentation Engineering, DSCE, Bengaluru.
- BoE Member, Department of Electronics and Instrumentation Engineering, MSRIT
- BoE Member, Department of Electronics and Instrumentation Engineering, SIT Tumkur
- BoE Member, Department of Electronics and Instrumentation Engineering, Dr. AIT Bengaluru.
- Academic Advisory committee member, Department of Electronics and Instrumentation Engineering, JSSATE, Bengaluru.