

Dr. Nagamani K.

[\[Go Back\]](#)

Designation :	Professor & HoD
Educational Qualification :	M.Tech., Ph.D.
Experience:	Teaching: 21 Years R&D: 5 Years
Research area:	Image Compression, Wireless communication, IoT.
Email-ID:	nagamanik@rvce.edu.in

Professional Membership:

1. IEEE SENIOR MEMBER, NO 94839025
2. Fellow IETE F-502973.
3. ISTE LIFE MEMBER , LM 100038 registered in 2014
4. EXECOM MEMBER of IEEE SIGNAL PROCESSING SOCIETY (2022 & 2023)
5. EXECOM MEMBER of IEEE SENSORS COUNCIL MEMBER
6. SECRETARY of IEEE SENSORS COUNCIL BANGALORE CHAPTER 2023 & 2024

Awards & Achievements:

1. **BEST PAPER AWARD** in the Track Signal Processing for the paper Progressive Image Transmission over coded OFDM system with LDPC , TEQUIP -II Sponsored National Conference on Wireless, Signal Processing and Embedded systems , 21st-22nd June 2023,
2. **Certificate of Excellence Award** for SAMSUNG PRISM Worklet ID:21VI11RV , AI DL Shot Learning based speaker adaptive voice cloning and Speech synthesis , May -Nov 2023
3. **Jury member of the HackeZee-2024**, Hardware Design Contest organized by Joy of Engineering Lab (JoEL) at PES University on 23 Oct 2024

4. Appreciation letter received, felicitated from **ISTE Chapter 2014** for publishing papers in journal and conferences and for the award of the PhD Degree in Sept. 2014.
5. Appreciation letter received, felicitated from **RSST Trust** for publishing papers in journal and conferences and for the award of the PhD Degree in Feb. 2015.
6. Appreciation letter received, felicitated from **RSST Trust** for publishing papers in in Scopus indexed journal and conferences on 26th January 2018.
7. **Excellence Award** for the **SAMSUNG PRISM** Worklet ID: CPCS09RV On “Block-Chain based Person Authentication on IoT devices for Smart Home Applications”.
8. Certificate of appreciation, for demonstrating valuable mentoring for Hackathon "CodXPress" a section-level hackathon organized by the **IEEE Bangalore section**. A TWO-DAY SECTION-LEVEL HACKATHON ACROSS FIVE LOCATIONS OVER KARNATAKA 29-30 APRIL, 2023.
9. **Seize the Moment** Photo of the Month recognition:, IEEE BANGALORE SECTION January 2023.

Project Guided:

Number of UG projects guided: **30**

Number of PG projects guided: **40**

Research Profile:

Projects Sanctioned:

Proposal Sanctioned from AICTE: Modernization and Removal of obsolescence, on the title "**Modernization of wireless Communication Laboratory with full-fledged testing and Characterization of passive and active circuits for 5G and Allied technologies.**"

Sanctioned amount **Rs.15,97,650/-Lakhs for two years , 2021-2022. I year Grant received is Rs. 12,78,120/-Lakhs**

PI : Dr. K Sreelakshmi, CO PI: **Dr. NAGAMANI K**, CO PI:Dr. B ROJA REDDY

Proposals Submitted:

1. Proposal Submitted on 23rd FEB 2022 for VGST Karnataka Fund for Infrastructure Strengthening in Science & Technology (K-FIST L2), Enhancement of Wireless Communication Lab. PI : Dr. NAGAMANI K, CO PI : Dr. K SARASWATHI, for Rs 20,0000/-lakhs.

2. Proposal Sent to One Plus Design Company , for establishing Centre of Excellence in 5G & Allied Technologies, Dr. K Sreelakshmi, Dr. K Nagamani Dr. K Saraswathi, 1.5 Crore during 2020
3. AICTE on 26 Dec 2020FDP on Microwave Technology and Antenna Design for Wireless communication system” Dr. Nagamani K , Dr K Saraswathi, Dr. Bhagya R, 6,90,800.
4. Department of Science and Technology (DST) New Delhi , “Smart Waste management and Segregation for SustainableEnvironment”, Dr. Bhagya R (PI), Associate Prof, Dept of TCE,Dr. Nagamani K, Professor, Dept of TCE Dr. Saraswathi K, Associate Prof, Dept of TCE , Mr Somesh Nandi Scientific Officer, 50,21,250 , July 26th 2020
5. Government Of IndiaDepartment Of Science And Technology (Interdisciplinary Cyber Physical Systems (ICPS) Division) Ministry of Science & Technology Speciall call for the proposal under Schedule Caste Sub-Plan (SCSP)/Tribal Sub-Plan (TSP) “Skill development in Design, Analysis & Simulation of circuits, devices and systems in Wireless communication system for the present Engineering Education”, proposed for conducting Two weeks workshop from -6th July to 17Th July 2020. PI- Dr. K Nagamani, Co PI- Dr. K Sreelakshmi, 10,19000, Applied on 26th November 2019.
6. VGST for Karnataka Fund for Infrastructure Strengthening in Science & Technology (K-FIST L2), ENHANCEMENT OF WIRELESS AND RF LAB, PI- Dr. K Nagamani Co PI- Dr. B RojaReddy, Dr. Bhagya R, Mr. T P Mithun, 43,00,000.00, Applied on 4th October 2018

Ph.D Guidance: Ph. D. Degree awarded for **2 scholars**, Currently Guiding **1 research scholars** under VTU.

Courses taught :

1. Wireless Communication
2. Advanced Communication
3. Wireless Sensor Networks
4. Error Control Coding.

Publications:

Type	No.
International Journals:	32
International Conferences:	19
National Conferences:	11
Books/Book Chapters	3

Details of Scopus Indexed/WoS/IEEE /Google Scholar /ICI/Qs publications (in last three years):

International Journals

1. Sandhya , Nagamani K, Real time 4G band data Acquisition using NI USRP hardware for Performance Evaluation of Spectrum Sensing Techniques in Cognitive Radio Systems using ML-based Algorithms ,International Journal of Communication Networks and Information Security,Volume 16, Issue 3, pages 480-492,2024.
2. Nanditha Krishna,Nagamani K.,Optimizing glaucoma diagnosis using fundus and optical coherence tomography image fusion based on multi-modal convolutional neural network approach, **International Journal of Electrical and Computer Engineering (IJECE)(Q3)**
p-ISSN 2088-8708, e-ISSN 2722-2578
[.2024.http://doi.org/10.11591/ijece.v14i4.pp4005-4017](https://doi.org/10.11591/ijece.v14i4.pp4005-4017)
3. Nanditha Krishna,Nagamani K.,A Deep Learning Model for Neural Network Optimization for Glaucoma Classification Using Fundus and OCT Feature Fusion **Journal of Electrical Systems (Q3) 20-2s 332-347, 2024**
4. Sinha, A., Nagamani, K. (2023). Hosting an API Documentation Portal Using Swagger and Various AWS. In: Uddin, M.S., Bansal, J.C. (eds) Proceedings of International Joint Conference on Advances in Computational Intelligence. **IJCACI 2022**. Algorithms for Intelligent Systems. **Springer**, Singapore. https://doi.org/10.1007/978-981-99-1435-7_37
5. Nagamani K, Monisha R, 4th International Conference on Innovative data communication Technology and Application, “Physical Layer Security Using Cross Layer Authentication for AES- ECDSA Algorithm”, Published in Elsevier, Science Direct ,Procedia Computer Science 215 (2022) 380–392
6. Implementation and Analysis of real time signals Spectrum Sensing Techniques for Cognitive Radio Networks GIS science Journal International VOLUME9,ISSUE 12,Page no:1169 to page no:1181. Published in SPRINGER LECTURE NOTES SERIES,2023
7. Nagamani K,Selvakumar Periyasamy Cloud Computing and Networking for SmartFarm AgriTech, Journal of Nanomaterials, 10/6/2022.(Q2 Journal)
8. R. Pruthu , Veluri Sai Teja, K. Nagamani’Applications of Blockchain in Cryptocurrency: Bitcoin and Dogecoin, in the International Journal of Research in Engineering, Science and Management Volume 4, Issue 7, July 2021.
9. Nagalakhmi Pranitha, Dr. Nagamani K, “5G Roadmap”Wutan Huatan Jisuan Jishu[WHJJ Journal]UGC- CARE- GROUP-II JOURNAL , Volume XVI , Issue V, May 2020.
10. Nagalakhmi Pranitha S, Dr. Nagamani K, “5G Roadmap with modulation ”, International Journal of Research and Analytical reviews (IJRAR), Volume 7, Issue 2 , May 2020.
11. Nagalakhmi Pranitha S, K. Nagamani’ ‘Implementation of Resource Allocation Algorithm for Cognitive Radio Systems’, ‘International Journal of Innovative Technology and Exploring Engineering (IJITEE)’, ISSN: 2278-3075 (Online), Volume-9 Issue-7, May 2020, Page No. 897-902.
12. Sandya H B, Dr. Nagamani K , “Spectrum Sensing in Cognitive Radio using SVM and KNN Algorithms”, Wutan Huatan Jisuan Jishu[WHJJ Journal]UGC- CARE- GROUP-II JOURNAL , Volume XVI , Issue VI, June 2020.
13. "Neural network algorithm applied to detection Of edges of ocean image," Sunitha H.N & Nagamani k, International Journal of Electronics and Communication Engineering (IJECE) ISSN(P): 2278-9901; ISSN(E): 2278-991X Vol. 3, Issue 5, Sep 2014, 51-58.

14. "Low Power Image Encryption Using AES Algorithm," Sugnyani Patil, Mrs.Nagamani K, International Journal of Advance Research (IJOAR), Volume 1, Issue 6, June 2013, ISSN- 2320-9194
15. "Comparison of SPIHT, Classical and Adaptive Lifting Scheme for Compression of Satellite Imageries," Nagamani.K, Dr. A G Ananth, Dr. K V S Ananda Babu, Computer Networks and Communications (Netcom) Lecture Notes in Springer Electrical Engineering, Volume 131, Page No. 275-281, 2013.
16. "Evaluation of SPIHT Compression Scheme for Satellite Imageries based on statistical parameters," Nagamani.K and Dr. A G Ananth, International Journal of Soft Computing and Engineering, Vol2, Issue-2, Page no 127-130, May 2012. ISSN: 2231-2307
17. "Fractal Image Compression Technique Using Fixed Level of Scaling," Nagamani K and Mallikarjuna Swamy M L, International Journal of Engineering Research and Development, Volume 1, Issue 4 (June 2012), PP.44-48 ISSN: 2278-067X
18. "Analysis of SPIHT algorithm for Satellite Image Compression," Nagamani.K and Dr. A G Ananth, Advance Computing: An International Journal (ACIJ). Vol.2, No.5, September 2011. Page no.25-31. DOI:10.5121/acij.2011.2503
19. "Comparison of SPIHT and lifting scheme image compression techniques for satellite imageries," Nagamani.K and Dr. A G Ananth, International Journal on Computer Applications, Volume 25, July 2011. Page no 7-12. ISSN: 0975-8887 Impact Factor: 0.835
20. "EZW and SPIHT Image Compression Techniques for High Resolution Satellite Imageries," Nagamani.K and Dr. A G Ananth, International Journal of Advanced Engineering Technology Computer Application, Vol II / Issue II / April –June 2011, Pages 82-86. E-ISSN:0976-3945.
21. "Image compression techniques for high resolution satellite imageries using classical lifting scheme," Nagamani.K and Dr. A G Ananth, International Journal on Computer Application, Vol 15, No.3, Feb 2011. Pages 25-28. ISSN: 0975-8887 Impact Factor: 0.835
22. "Study of embedded zero tree wavelet (EZW) compression techniques for high and low resolution satellite imageries," Nagamani.K and Dr. A G Ananth, International Journal of Technology and Engineering System, Vol No.2, July –Sept 2010, Pages 141-145. ISSN: 0976-269X Impact Factor: 1
23. Sunitha H.N & Nagamani K, "Neural network algorithm applied to detection Of edges of ocean image," published in International Journal of Electronics and Communication Engineering (IJECE) ISSN(P): 2278-9901; ISSN(E): 2278-991X Vol. 3, Issue 5, Sep 2014, 51-58.
24. "Comparison of SPIHT, Classical and Adaptive Lifting Scheme for Compression of Satellite Imageries," Nagamani.K, Dr. A G Ananth, Dr. K V S Ananda Babu, Computer Networks and Communications (Netcom) Lecture Notes in Springer Electrical Engineering, Volume 131, Page No. 275-281, 2013.
25. Sugnyani Patil, Mrs.Nagamani K, "Low Power Image Encryption Using AES Algorithm," International Journal of Advance Research (IJOAR), Volume 1, Issue 6, June 2013, ISSN- 2320-9194
26. Nagamani.K and Dr. A G Ananth, "Evaluation of SPIHT Compression Scheme for Satellite Imageries based on statistical parameters," published in International Journal of

Soft Computing and Engineering, Vol2, Issue-2, Page no 127-130, May 2012. ISSN: 2231-2307

27. Nagamani K and Mallikarjuna Swamy M L, "Fractal Image Compression Technique Using Fixed Level of Scaling," published in International Journal of Engineering Research and Development, Volume 1, Issue 4 (June 2012), PP.44-48 ISSN: 2278-067X
28. Nagamani.K and Dr. A G Ananth, "Image compression techniques for high resolution satellite imageries using classical lifting scheme," International Journal on Computer Application, Vol 15, No.3, Feb 2011. Pages 25-28. ISSN: 0975-8887 Impact Factor: 0.835
29. Nagamani.K and Dr. A G Ananth, "EZW and SPIHT Image Compression Techniques for High Resolution Satellite Imageries," International Journal of Advanced Engineering Technology Computer Application, Vol II / Issue II / April –June 2011, Pages 82-86. E-ISSN: 0976-3945.
30. Nagamani.K and Dr. A G Ananth, "Comparison of SPIHT and lifting scheme image compression techniques for satellite imageries," International Journal on Computer Applications, Volume 25, July 2011. Page no 7-12. ISSN: 0975-8887 Impact Factor: 0.835
31. Nagamani.K and Dr. A G Ananth, "Analysis of SPIHT algorithm for Satellite Image Compression," published in Advance Computing: An International Journal (ACIJ). Vol.2, No.5, September 2011. Page no.25-31. DOI:10.5121/acij.2011.2503
32. Nagamani.K and Dr. A G Ananth, "Study of embedded zero tree wavelet (EZW) compression techniques for high and low resolution satellite imageries," International Journal of Technology and Engineering System, Vol No.2, July –Sept 2010, Pages 141-145. ISSN: 0976-269X Impact Factor: 1

International Conferences

1. Kori Madhura Jagadish, Nagamani K, **Secured Information Transmission Using Audio Video Steganography**", 7th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS 2023), 2nd-4th November 2023, Organized at RVCE
2. Nanditha Krishna, Dr. Nagamani.K, **"Understanding and Visualization of Different Feature Extraction Processes in Glaucoma Detection"**, 4th International e-Conference on Intelligent Circuits and Systems (ICICS-2022) Organized by School of Electronics and Electrical Engineering at Lovely Professional University, Punjab, April 8-9th, 2022.
3. Dr. Nagamani K, Deepthi Datta, **"Removal of Revoked X.509 certificates and their sub-hierarchies to support Multi CI Scenarios"**, IoT Based Control Networks and Intelligent Systems (ICICNIS 2021), Kerala, India, June 28-29, 2021.
4. Dr. Nagamani K, Manasa K, **"Packet Traffic Arbiter Interface for Dual-Mode Bluetooth Controller"**, IoT Based Control Networks and Intelligent Systems (ICICNIS 2021), Kerala, India, June 28-29, 2021.
5. K Nagamani, Charan Kumar A M, **"Design and Simulation of Energy Efficient Routing Protocols for Underwater Wireless Sensor Networks"**, Fourth International

conference on Electrical, Computer and Communication Technologies (ICECCT2021),15-17th September 2021.,Erode, Tamilnadu, India.

6. Nanditha Krishna, Dr. Nagamani.K "**Assorted Image Processing Techniques for Retinal OCT in Glaucoma Detection**",2nd International Conference on IoT Social, Mobile, Analytics and Cloud in Computational Vision and Bio-Engineering,29th-30th October 2020.,Published in Elsevier.
7. Nanditha Krishna, Dr Nagamani.K, "**Glaucoma Diagnosis Using State of Art Image Analysis Techniques: A Comprehensive Survey**",5th International Conference on Inventive Computation Technologies (ICICT 2020),26-28th Feb 2020.
8. Nagashree Upadhy, Srikanth Shankaranarayana, Dr. Nagamani K, "**PlantUML to model System-On-Chip Use-Cases**", IEEE's Global Conference for Advancement in Technology (GCAT) 2019,Bangalore, India,18th-20th Oct 2019.
9. Laxmi khichadi, Dr. Nagamani.K, "**Performance Evaluation of Power over Ethernet in an Ethernet Switch**",4th International Conference on Communication and Electronics systems (ICCES 2019),PPG Institute of Technology, Coimbatore,17-19th July 2019.
10. Laxmi Khichadi, Siva Ganesh Kumar, Dr. Nagamani.K, "**Building a Cloud Solution for Energy Management using Raspberry Pi**",4th International conference on Communication and Electronics systems(ICCES-2019) Organized by PPG Institute of Technology, Coimbatore, 17-19th July 2019.
11. Bhavana, Shrivibhu, Dr. Nagamani.K, "**Analyzing and Implementing Smart Energy metering system using IoT**",4th International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT-2019),May 17th & 18th, 2019.
12. Sandhya H B, Dr. Nagamani.K, Shavanthi L, "**Thorough Review of Cognitive Radio Spectrum Sensing Methods in Communication Networks**",7th IEEE International Conference on Communication and Signal Processing Melmaruvathur, April 3rd - 5th, 2018.
13. Usha P, Dr. K Nagamani, "**Design, Simulation and Implementation of UWB Wearable Antenna**",2018 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2018),May 18th & 19th, 2018.
14. Shavanthi. L, Dr. K Nagamani, Sandya H B, "**Implementation of DVB Standards using Software-Defined Radio**",2018 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2018),May 18th & 19th, 2018.
15. Yashoda J K, Nagamani K, "**Automation Framework Design to enhance the capabilities of IMS Functional Testing**",International Conference on Smart Technologies and Management for Computing, Communication, Controls, Energy and Materials (ICSTM 2017),Vel Tech Dr.RR & Dr.SR University, Avadi, Chennai, Tamil Nadu, India, Aug 2nd – 4th, 2017.
16. Sneha U, Manoj P, and Nagamani K, "**Design of High-Speed FPGA based Data Acquisition System**",International conference on Signal, Image Processing, Communication and Automation,In association with IEEE in JSS Academy of Technical Education, 6th and 7th July 2017.
17. Asif S, Pradeep Kumar B, Dr. CM Ananda, Dr. Nagamani. K, "**A New Approach for Mixed Bandwidth Deterministic Communication using Ethernet**",Fourth

International Conference on Advances in Computing, Communications and Informatics (ICACCI-2015), ICACCI-2015.

18. Nagamani.K and Dr. A G Ananth, "**EZW and SPIHT Image Compression Techniques for High Resolution Satellite Imageries.**", II International Conference on Multimedia and Content Based Image Retrieval, PES Institute of Technology, Bangalore, 21 -23 July 2010.
19. Nagamani.K and Dr. A G Ananth, "**Study of EZW Compression Techniques for High and Low Resolution Satellite Imageries**", II International Conference on Computing, Communication and Networking Technologies, Karur, Tamilnadu, 29 – 30 July 2010., Published in IEEE Xplore.

Collaborative works carried out with academia and industry:

Project Competitions Judged:

1. **JUDGE IN THE IDEATHON** during the Induction Programme for First year students of 2019 admission, in RVCE on 6 Jan 2020.
2. **JUDGE for STATE LEVEL PROJECT MODEL EXHIBITION “INCEPTRA”** on 3-May 2019 at Department of Telecommunication Engineering, Bangalore Institute of Technology, Bengaluru.
3. **JUDGE for STATE LEVEL PROJECT MODEL EXHIBITION “INCEPTRA”** on 3-May 2019 at Department of Telecommunication Engineering, Bangalore Institute of Technology, Bengaluru.
4. **JUDGE** in the State level Project Exhibition in Visvesvaraya Industrial & Technological Museum, organises 'Engineering Fair' in which the students of Industrial Training Centres and Polytechnics will display their innovative projects 6th March 2020.
5. **JUDGE** in the OPEN DAY PROJECT EXHIBITION , PRADARSHANA in MSRIT, on 6 th -7 th July 2022.
6. **BOE MEMBER:** Invited as Board of Examiner(BOE) in Ramaiah Institute of Technology, Dept. of Electronics and Communication Engg., on 20th May 2020.
7. Deputed to attend the Indian Mobile Congress IMC Lead 2019 from 9 th to 12 th October to PES UNIVERSITY as a mentor for our students to participate in the event where they got selected to represent in India Mobile Congress, 2019, in Delhi between 14th & 16th October 2019.
8. Proctor in IEEE Xstream 2020 during 9 th Dec 2020 at IEEE Xtreme 14.0 programming competition hosted by team administrator.
9. MoU with EDUTECH on 12 th July 2020
10. Samsung Project: Completed Project under SAMSUNG PRISM in the Worklet ID: CPCS09RV On “Block-Chain based Person Authentication on IoT devices for Smart Home Applications”, guiding five students. Certificate of excellence received.
11. Industrial visit to Baharat Electronics Limited , Arranged / Coordinated Industry Institute Interaction, on 27/4/2022 along with UG (10) and PG (12) students.
12. Visit to BIEC - Bengaluru International Exhibition Centre, 10th Mile, Tumkur Road, Madavara Post, Dasanapura Hobli, Bangalore 562 123, INDIA on 21/09/2022 (In order

to get exposure on technological advancements, curriculum changes both internationally and nationally)(II sem PG DC students -7)

13. Visit to IISc with UG students to the 5G Lab on 16 th January 2023, total 35 students of 5 th sem ETE were present.
14. Visit to LRDE with other staff : To meet DRDO scientist to discuss about: New curriculum for MTech course. Add new industry related elective subjects on 16/08/2022

BOE Member:

1. **BOE MEMBER:** Board of Examiner (BOE) in BMS college of Engineering, Dept. of Telecommunication Engg. Since 9th DEC 2019.
2. **BOE MEMBER:** Board of Examiner (BOE) in Ramaiah Institute of Technology, Dept. of Electronics and Communication Engg., Since 20th May 2020c

Reviewer in IEEE International Conferences and Journals:

1. Worked as Organizing committee member/ Reviewer for the Third IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies & Optimization Techniques (ICEECCOT-2018), GSSSIETW, Mysuru held during 14th & 15th December, 2018.
2. Worked as Organizing committee member/ Reviewer for the Fifth International Conference on Applied Science, Engineering and Technology, ICASET-18, 17th -18th May 2018 Anekal Bangalore.
3. Working as Organizing committee member/ Reviewer for the Fourth International Conference on Electrical, Electronics, Communication, Computer Technologies & Optimization Techniques (ICEECCOT-2019), GSSSIETW, Mysuru during 13 ,14 December 2019.
4. Reviewer of RV Journal of Science Technology Engineering Arts and Management (RVJSTEAM), a bi-annual peer reviewed journal of RV College of Engineering 2020.
5. Reviewer in International Conference on Electronics, Computing and Communication Technologies, CONECCT is a flagship conference of the IEEE Bangalore Section, India. CONECCT - 2021 is its 7th edition and held during JULY 9 - 11, 2021. (5 papers)
6. Reviewer in 2nd IEEE International Conference for Emerging in Technology (INCET 2021) technically co- sponsored by the IEEE Bangalore Section, hosted by Jain College of Engineering, Belgaum, Karnataka, India held during 21st -23rd May 2021.
7. Reviewer for the IEEE Region 10 Humanitarian Technology Conference 2021, *September 30 to October 2, 2021*
8. Reviewer for the 5th International Conference on Computational Systems and Information Technology for Sustainable Solution, Organized by RV College of Engineering®, Bengaluru, Financially Co-Sponsored by IEEE Bangalore Section,

Technically Co-Sponsored by Florida International University, 16th to 18th December 2021.

9. Reviewer for the IEEE International Conference on Mobile Networks and Wireless Communications (ICMNBC) on 3 - 4 December 2021 in association IEEE Bangalore Section, SSIT, Tumkuru.

Sessions Chaired:

1. Session Chair in 2nd International Conference on Networking, Embedded and Wireless Systems (ICNEWS - 2024), technically co sponsored by IEEE, during 22nd & 23rd August 2024, Dept. of ECE, BMSCE
2. Session Chair at the 5th International Conference on Circuits, Control, Communication and Computing (14C 2024) held during 4th 5th October, 2024 at M. S. Ramaiah Institute of Technology, Bangalore, India and technically co-sponsored by IEEE, Bangalore section.
3. Session Chair in the IEEE International conference CONNECT 2024 , BANGALORE SECTION (IEEE SENSORS COUNCIL BANGALORE CHAPTER TRACK H) 11th-13th July 2024
4. Track Chair in the IEEE International conference CONNECT 2024 , BANGALORE SECTION (IEEE SENSORS COUNCIL BANGALORE CHAPTER TRACK H) 11th-13th July 2024
5. Session Chair for the 8th IEEE International Conference CSITSS 2024 organized by RVCE held during 7nd to 9th Nov 2024.
6. Track Chair for Cyber Physical systems in the 8th IEEE International Conference CSITSS 2024 organized by RVCE held during 7nd to 9th Nov 2024.
7. Co-Chair for the 7th IEEE International Conference CSITSS 2023 organized by RVCE held during 2nd to 4th Nov 2023.
8. Technical Chair for the 7th IEEE International Conference CSITSS 2023 organized by RVCE held during 2nd to 4th Nov 2023.
9. Reviewer in the 7th IEEE International Conference CSITSS 2023 organized by RVCE held during 2nd to 4th Nov 2023.
10. Co-Chair in the IEEE International conference CONNECT 2023 , BANGALORE SECTION (IEEE SENSORS COUNCIL BANGALORE CHAPTER TRACK H) 14-16 th July 2023
11. Technical CO-Chair for the IEEE CONNECT 2023, BANGALORE SECTION (IEEE SENSORS COUNCIL BANGALORE CHAPTER TRACK H) 14-16 th July 2023
12. Program Committee member and Reviewer in the World Conference on Artificial Intelligence Advances and Applications (WCAIAA 2023) 18 th -19 th March 2023

13 Reviewer in the IEEE International Conference on Integrated Circuits and Communication Systems (ICICACS-2023) 24th -25th Feb 2023, IEEE BANGALORE SECTION AND

NORTH KARNATAKA SUB SECTION.

14. Program Committee Member and Reviewer for the International Conference on Computer Vision and Robotics (CVR-2023) 24th -25th Feb 2023.

15 Chair for the 4th International Conference on Circuits, Communication, and Computing I4C-2022, 22 Dec 2022.

16. IEEE International Conference on Knowledge Engineering and Communication systems 28th -29th Dec 2022. BioMed Research International Journal, 3rd May 2022.

17 International Conference on Electronics, Computing, and Communication Technologies, CONECCT 2022. 8th -10th July 2022, Bangalore.

18. Reviewer and TPC member in “Computational Systems and Information Technology for Sustainable Solutions [CSITSS – 2022]

19. IEEE MYSURUCON 2022-The 2nd Edition of the Mysore Subsection Flagship International Conference on 16th & 17th October 2022.

20. 2022 IEEE World Conference on Applied Intelligence and Computing (AIC 2022) Organized by Rajkiya Engineering College, Sonbhadra, and Soft Computing Research

Society June 17-19, 2022.

21. Reviewer for the IEEE Sponsored Conference, International Conference on Data Science and Information System (ICDSIS-2022) during 29-30 July 2022 Organized by Malnad College of Engineering, Hassan.

22. Chaired the session in the Track 3 Agriculture and Food Security on 1st October from 10.30 to 12.00 pm in IEEE Region 10 Humanitarian Technology Conference 2021 held during September 30 to October 2, 2021

23. Chaired a session during paper presentation in the National Conference on “Communication Standards and Systems” on account of World Telecommunication & Information Society Day Celebrations during 17 - 18 May 2019.

24. Chaired a session during paper presentation in the National Conference on ICT and Society on the occasion of World Telecommunication and Information society Day during 15th-17th May 2017, organized by Department of Telecommunication Engineering, RVCE.

25. Chaired a session during paper presentation in the National Conference on Artificial Intelligence and Society on the occasion of World Telecommunication and Information society

Day during 17th -18th May 2018, organized by Department of Telecommunication Engineering, RVCE.

Invited Talks Delivered:

1. Delivered an Invited talk on Course Design in the workshop on **Pedagogical Skills Development** organized by R V College of Engineering, Bangalore, Under TEQIP Sub 1.2, held during July 4th -9th 2016
2. Delivered an Invited talk on Question Paper setting and Assessment in the workshop on **Pedagogical Skills Development** organized by R V College of Engineering, Bangalore, Under TEQIP Sub 1.2, held during July 25th -30th 2016.
3. Delivered an Invited talk on **LabView Basics** for the Tequip-II Sponsored work shop on Virtual Instrumentation in Biomedical signal processing and systems, in collaboration with IT, EC and TC from 1st to 3rd April 2013, RVCE, Bangalore.
4. Delivered an Invited talk on **Impact of Internet of Things at present and in future prospects**, at Government Engineering College, Ramanagara on 10th July 2021.
5. Delivered an expert lecture on Applications of SDR in IoT in workshop on the Future of 5G with SDR under the IEEE RVCE SPS student chapter and IEEE Bangalore SPS chapter in association with DSCE during 4th to 8th April 2022, RVCE, Bangalore.
6. Delivered an expert lecture on Introduction to Qualnet and Hands on session handled in workshop on the Future of 5G with SDR under the IEEE RVCE SPS student chapter and IEEE Bangalore SPS chapter in association with DSCE during 4th to 8th April 2022, RVCE, Bangalore.

Technical events Organized :

Workshops/FDP's Organized:

1. Organized Authorship workshop, under IEEE SPS BANGALORE CHAPTER, IEEE SENSORS COUNCIL BANGALORE CHAPTER, IEEE RVCE SPS STUDENTS CHAPTER, 18th May 2023.
2. Organized the INDUSTRY CONCLAVE ON OPPORTUNITIES AND CHALLENGES IN SENSORS, ROBOTICS, AUTOMATION AND SIGNAL PROCESSING, Departments of Electronics and Telecommunication Engineering & Electronics and Instrumentation Engineering, in Association with IEEE RVCE SPS Student Chapter & IEEE RVCE Sensors Council Student Chapter on 10th and 11th Feb 2023.
3. Organized the 5 days Hands-on workshop on Future of 5G with SDR under the IEEE RVCE SPS student chapter and IEEE Bangalore SPS chapter in association with DSCE during 4th to 8th April 2022.
4. Coordinated a three day Tequip-II Sponsored work shop on Virtual Instrumentation in Biomedical signal processing and systems, in collaboration with IT, EC and TC from 1st to 3rd April 2013, RVCE, Bangalore.

5. Coordinated/ Organized Five day Faculty Development Program On Design of of RF and Digital Communication systems, under TEQIP 1.2.1, COE Macro Electronics on 3rd Feb. to 7th Feb 2014.
6. Coordinator and Organized One week FDP on “Emerging Technologies in Short Range Wireless Communication” 02 July 2018 to 06 July 2018 and Invited speakers from IIT and IISc Professors and participants from outside faculty members 42, in house 8 faculty and students 2. Total 52 participants.
7. Organized One Week Online Hands-on Workshop on “5G NEW RADIO” Under the IEEE RVCE Signal Processing Student Chapter in association with CADENCE DESIGN SYSTEMS, MATHWORKS AND KEYSIGHT TECHNOLOGIES From 14th to 19th September 2020
8. Organized One Week Online Workshop on “Signal Processing and Applications” Under the IEEE RVCE Signal Processing Student Chapter Hands-On from CoreEL Technologies (I) Private Limited and RVCE From 1st to 6th February 2021.
9. Organized the 5 Days Online Hands- on Workshop on “5G Wireless Communication systems” during 25th October to 29th October 2021 under the IEEE RVCE SPS Student Chapter.

Technical talks/Webinars Organized:

1. Coordinator and Organized One Day Workshop on the **5G Technologies** on 16th October 2019 under RVCE IEEE Student Chapter, IEEE COMSOC.
2. Organized an Expert lecture on “ **Wireless technologies, Global and Indian perspective**” by Mr. PATHY from KEYSIGHT TECHNOLOGIES on 10th Jan 2020 from 10.00 m to 11.00 am in Telecom seminar hall for both UG, PG students and Faculty.
3. Organized Webinar on 5G Technology and Its Applications on 8th June 2020, 9.00AM to 10.00AM
4. Organized Webinar on INVISIBLE DESIGN”, Date & Time: 24th July 2020 & 10.00 AM - 12.00 PM.
5. Organized Webinar on “Sensing and Signal Processing for Autonomous Navigation” on 8-August -2020 on the Occasion of Inauguration of the IEEE RVCE SPS Student Chapter.
6. Organized webinar on ROAD MAP TO CARREER IN MACHINE LEARNING, 10th July 2021 under IEEE RVCE SPS CHAPTER,

