

Faculty Profile



Personal Information

Name: Dr.Madhumathy P

Designation: Associate Professor

Department: ECE

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Domain of Expertise

- Wireless communication
- IOT
- Sensor Networks
- AI and ML

Academic Qualifications

- **PhD (Information & Communication), Anna University (Highly Commended) 2015**
- **M E – Applied Electronics, AVIT Gold Medalist**
- **Master of Business Administration in HR, Madras University 2009**
- **B E Electronics and communication Engineering, Anna University 2006**

Professional Experience

Institute/College/Industry	Job Title	Duration (From- To)
RV Institute of Technology and Management	Associate Professor	Nov 2021 – Till date
Dayananda Sagar Academy of Technology and Management	Professor	Dec 2014 – Oct 2021
SMR East Coast College of Engineering & Technology	Assistant Professor	June 2012 – Oct 2014
New Horizon College of Engineering, Bangalore	Assistant Professor	July 2011 – June 2012
Shri Andal Alagar College of Engineering	Assistant Professor	July 2006 – March 2011

RESEARCH GRANTS RECEIVED

- **International Collaboration Grant (2024-2025)**

Global Wales Partnerships Fund -10 Lakhs

University: Cardiff Metropolitan University, Wales

Topic: Population health and biotech - Collaborative ideas for research and development among countries to accelerate advancements in AI for healthcare.

Projects Executed: 4

Collaborative University: RVITM, IIITD, KLE University, SDM Medical College.

- Received research fund of 5 lakhs amount for conducting the project “Greenhouse monitoring system” from **Vision group of science and technology**, Karnataka in 2018-2020
- Principal Investigator of Project QUADCOPTER- Unmanned Aerial Vehicle, Sponsored by Techmind solutions Pvt.Ltd., Bangalore
Reference Number: Ref. No. QUAD/2017-04/01
Started on: 5/07/2021 Duration: 6 Months Amount: 2 lakhs

EXECUTIVE SYNOPSIS

- Represented the university and the department on over 100 national and international forums including conferences, symposiums, workshops, ministries meetings, and discussions.
- Outstanding consulting skills and proficiency in enhancing research protocols
- Strong analytical, critical thinking, and problem-solving skills
- Ability to collaborate and influence a student team for excelling in the research
- Excellent communication skills with troubleshooting, problem defining & solving capabilities
- Received certificate of excellence in Journal Advances in Research in recognition in outstanding contribution to the quality of the journal on 11th August 2022.
- Received Excellence in Review and outstanding Reviewer awards and currently reviewing for more than 16 International Journals and conferences
- Received awards and appreciation for involvement and dedication as a session chair for more than 22 conferences.

SPECIAL ACHIEVEMENTS

- Editor on the board of following Journal:
 1. International Journal of Image Processing and Smart Sensors
 2. International Journal of Artificial Intelligence of Things (AIoT) in Communication Industry
- Received research fund of 5 lakhs amount for conducting the project greenhouse monitoring system from Vision group of science and technology, Karnataka
- Received Young women educator and scholar award in 8th National Women’s Day Awards & Celebrations 2021 powered by NFED, Coimbatore, Tamil Nadu
- Conducted a session and played as Mock reviewer related to NBA work
- Received certificate of excellence in Journal of engineering research and reports for reviewing
- Acted as publication chair for international IEEE conference.
- College coordinator for AICTE-INAE Distinguished Visiting Professorship Scheme, NBA, NAAC.
- Recognized Research Supervisor for guiding Ph.D. and M.S Students by Visvesvaraya Technological University.
- Recourse person for Awareness Program on National Instrumentation, Introduction to wireless communication, Back propagation and Resilient propagation algorithm, Basic Electronics, graphical programming, data acquisition and hardware programming using NI LabVIEW, Intellectual property rights, NS2- Network Simulator, Generation of mobile communication, Routing in Adhoc Networks and Wireless Sensor Networks at various engineering colleges.

INTERNATIONAL COLLABORATIVE RESEARCH

Funding for Knowledge Exchange and Collaborative Research & Innovation in collaboration with Cardiff Metropolitan University and IIIT Dharwad.

1. Conducted International workshop on "Leveraging Advancements in AI Technologies for Health Care" on 28.10.2024 & 29.10.2024 in collaboration with Cardiff school of technologies.
2. Organized research Ideathon workshop on "AI and Mobile Health Technology for Aging Populations; NLP for health care" on 21st November 2024 in partnership with Cardiff Metropolitan University and IIIT Dharwad.
3. Organized Networking Event "Advancing Population Health: Fostering Collaboration Between Industry, Academia, and Healthcare Practitioners" on 12th December 2024 in partnership with Cardiff Metropolitan University and IIIT Dharwad.

Completed the following projects:

- Obstructive Sleep Apnea (OSA); IoT-based Contactless Vitals Monitoring
- Digital Intervention Therapies: Cognitive Impairment Solutions (Dementia, ASD, Parkinson's Disease)
- Analysis of Cardio Vascular Diseases using ECG, PPG.
- Brain Tumour detection and Knee MRI Segmentation from MRI/CT scan images
- Early Diagnosis through OCT and connecting with CVD, Diabetes, liver, and kidney diseases

NOTABLE CAREER

International Patent Granted

1. Ganesh Babu, Madhumathy P, Umamaheshwari, Mohan Kumar "Machine learning for moist convection: modeling novel method of aqua condensation using renewable energy" with Patent number: 2020103276, 23rd day of December 2020
2. Madhumathy P; Umamaheshwari R; Deepa; Ramashini; Malik ; Suma M R; Ishita; Ambika Naik ; Shweta Bharath Kumar S "Continuous labelling assessment of products to improve efficiency of reverse logistics by deep learning model" with patent number 2020101729 2nd day of September 2020
3. Madhumathy P "Self-optimized system and method using a fuzzy genetic algorithm" with patent number 2020101729 on 23/05/2021.

Patents Published

1. Sumithra Devi K A, Madhumathy P, Applied and published a Patent on "Integrated and Automated Smart Sericulture System" (Application no.: 201941026953) 05/07/2019
2. Madhumathy P, Applied and published a Patent on "Smart greenhouse monitoring system using CPLD" with docket number 37765 (Application no.: 201941017531) 2/05/2019
3. Madhumathy P, Rakshith, Applied and published a Patent on "Portable plotter" on 30/07/2018 with the docket number 55165 (Application no.: 201841028554)"

International Book Published

1. Ramashini Milani, Krishani, Madhumathy P "Acoustic-Based Applications for Vertebrate Vocalization" ISBN 978-3-030-85772-1, Published January 2022, by Springer.
[Acoustic-Based Applications for Vertebrate Vocalization | SpringerLink](#)
2. Madhumathy P, "Wireless Sensor Networks Routing protocol Overview" with catalog Number V963306, ISBN :9783346315564, Grin Publisher, Germany, 2020
[Wireless Sensor Networks. Routing Protocol Overview - GRIN](#)
3. Madhumathy P "Fundamentals of Wireless Sensor Networks", on 12/11/2020 with ISBN Number 978-620-3-04020-3, Lap Lambert Academic Publishing
[Fundamentals of WSN \(An overview\) / 978-620-3-04020-3 / 9786203040203 / 6203040207 \(lap-](#)

National Books Published

1. Madhumathy P, Kavitha N, Isitha “Computer Communication Networks” Published by Booh Doula Publications with ISBN number 978-81-937245-1-4, April 2019
2. Madhumathy P, Cluster network Routing Fundamentals, Design and Applications in WSN, Charulatha publications, ISBN:978-86-6347-18-6, August 2018
3. Madhumathy P, Routing and security in WSN ,Theory and practice, Charulatha publications, with ISBN:978-93-5437-018-2, March 2017

Book Editor

1. Madhumathy P, Vinoth Kumar, Umamaheshwari P, “Principles of machine learning and IOT systems: Insight paradigm” CRC Press Taylor and Francis Group, 2021
<https://doi.org/10.1201/9781003194415>

Science Citation Index Publication (Q1 & Q2)

1. Devasenapathy, P. Madhumathy, "Transmission Efficient Grid Based Synchronized Model for Routing in Wireless Sensor Networks Using Bayesian Compressive Sensing", published in SN Computer science, Dec 2023. **Q2 Journal**
2. Sivasankar, S., Devasenapathy, D., Madhumathy, P. *et al.* Design and modeling of graph theory approach based routing algorithm. *Int J Interact Des Manuf* (2023). (SCI, IF 2.71 **Q2 Journal**) **springer** <https://doi.org/10.1007/s12008-023-01468-5>
3. Madhumathy P, Devasenapathy, et. al Optimizing design and manufacturing processes with an effective algorithm using anti-collision enabled robot processor *Int J Interact Des Manuf* (2023). **Q2 Journal**
4. Ishita Banerjee, P. Madhumathy, "QoS enhanced energy efficient cluster based routing protocol realized using stochastic modeling to increase lifetime of green wireless sensor network", (Springer) Wireless Networks, October 2022 (SCI, IF 2.6) <https://doi.org/10.1007/s11276-022-03124-4> **Q2 Journal**
5. Suma M R, Madhumathy P, “Brakerski-Gentry-Vaikuntanathan fully homomorphic encryption cryptography for privacy preserved data access in cloud assisted Internet of Things services using glow-worm swarm optimization”, Transactions on Emerging Telecommunications Technologies. August 2022 Wiley Publication (SCI, IF 1.59 Q1 Journal) <https://doi.org/10.1002/ett.4641>, **Q1 Journal**
6. Madhumathy P and Dig vijay, "Deep learning-based photo acoustic imaging for noninvasive imaging", Multimedia tools and application (Springer) January 2022 (SCI, IF 2.75). <https://doi.org/10.1007/s11042-022-11903-6> **Q2 Journal**
7. Suma M R, Madhumathy P, "An optimal swift key generation and distribution for QKD" scientific and technical journal of Information technologies, Machines and optics (Elsevier), Vol. 22 No 1, January–February 2022 (WOS, Scopus). DOI: 10.17586/2226-1494-2022-22-1-101-113 **Q2 Journal**
8. Madhumathy.P, Sivakumar D “Modelling and Simulation of a Novel Relay Node Based Secure Routing Protocol Using Multiple Mobile Sink for Wireless Sensor Networks” is published in Scientific World Journal, Volume 2015, Article ID 495945, 9 pages, IF 1.92 (SCI Indexed), 2015. <https://doi.org/10.1155/2015/495945> **Q2 Journal**
9. Madhumathy.P, Sivakumar D “Enabling energy efficient A Multiple Mobile Sink Based Data Gathering in Wireless Sensor Networks” is published in China Communication, Oct 2014, Vol 10 No. 11, IF 2.77 (SCI Indexed), 2014, <https://doi.org/10.1109/CC.2014.6969791> **Q1 Journal**

- Obtained University **Gold Medal** (First Rank) in Master of Engineering course.
- Received best paper award from IETE Madras chapter
- Successfully completed IEEE Region 10 sponsored conference organizers education workshop organized by IEEE Bangalore section, 2018
- Received best paper award for “Automated smart sericulture system using wireless sensors” in Third national conference on convergence of science, technology and management- NCCSTM 2017.

- Received best paper award for “Detection of humps and potholes on roads and notifying the same to the drivers” presented in International conference on electrical and electronics engineering (ICEEE) held at Bengaluru, 2016.
- Received best paper award for “Smart Ambulance Service System” presented in International Conference on Advances in Applied Engineering and Technology organized by Syed Ammal Engineering College, 2015.
- Achieved 100% result in VTU and Anna University UG exams
- Guided student Project entitled “Smart speaker” & “Smart greenhouse monitoring system” got selected as one of the top 10 finalists out of more than 2000 registrations in 8th ELASIA 2019, Bangalore June 2019.
- Guided student Project entitled “Hybrid Cloud – A Secure Cloud Enabled IoT Architecture” won First prize in project Exhibition held in at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka, May 2018.
- Guided student Project entitled “Acquisition and mining of agricultural data using ubiquitous sensors with internet of things” won First prize in project Exhibition held in at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka, May 2017

Research Committees

- Member, Board of Studies, Government College of Engineering, Bargur, Tamilnadu, India, 2022
- Member, Board of Studies, Vivekananda College of Engineering and Technology for Women, Tamilnadu, India, 2018
- Member, Doctoral Committee, VIT University, Vellore, Chennai
- Member, Doctoral Committee, Anna University, Tamilnadu.
- Member, Doctoral Committee, VTU, Belgaum, Karnataka.
- Ph.D. Thesis Examiner and Valuation for Anna University, Chennai
- Examiner for Ph.D. Viva-voce: 11
- Ph.D. Thesis Evaluated: 10
- Ph.D. Thesis Evaluated for Karunya University, Coimbatore, Tamilnadu

FUNDED PROJECTS GRANTED BY KARNATAKA GOVERNMENT & NOTABLE PROJECTS

A Complex Programmable Logic Device Based Green House Monitoring System for Agriculture

The main focus of this project is to develop a system to provide autonomous control for temperature, soil moisture and humidity in an agriculture land in the green house. With the help of this project, the farmers will be relieved from the basic maintenance issues of watering the plants during sunny days at regular intervals and untimely need to switch on the pump set. This system also helps farmer in keeping the plants in warm conditions during winter and snowfall etc. based on the environmental conditions.

Outcome of the Project:

- Received research fund of 5 lakhs amount for conducting the experiments in the institution from VGST, Karnataka.
- Developed mainly to help the farmer in agriculture with wireless technology to sense and Control the basic environmental parameters such as Temperature, Humidity and Soil Moisture.
- Design thinking approach for designing and developing the greenhouse system for agriculture in minimum cost.

Portable plotter

Computers have gotten faster; phones have become magical portals to nearly every piece and type of information on the planet. Concurrently, modern technology has become easier and more intuitive.

Printing, however, is the exception to the rule. They remain bulky and inefficient. Thus, we are taking a small step in breaking this and making them small and portable. We focus on making the plotter device more consumer friendly and easy to use for the general public.

The outcome of the Project:

- The project proposal was selected for further funding and continuation at IIT, Madras
- An Integrated portable plotter device which is easily carried, Battery operated (no power cords) and simple to use wireless device for plotting.
- The entire pen mechanism itself can be replaced by something like laser module and the device can be used as an engraver.
- Patent Publications for depicting the results for using wireless device for plotting.
- The plotter is not restricted to only paper. Since the device is made modular, with the right attachments, it can be used to plot on any materials and surfaces.
- The device is designed such that it can move on the work surface easily without any boundaries.

Integrated and Automated Smart Sericulture System

The Prevailing technologies are dominating due to automation. With the proposed system an even better technology that is capable of monitoring sericulture farm against the odd and outdated practices followed by the sericulture cultivates is invented. This system uses microcontroller integrated with GSM module along with sensors and food feeder and medicine sprayer for the better yield of silk.

The outcome of the Project:

- An Integrated and Automated smart sericulture system with micro controller programmed using Embedded C, GSM, Sensors and motor driving circuits to enable food feeder and medicine sprayer.
- Design and development of automated control system to the agriculturists utilizing wireless sensors, microcontroller and GSM.
- This innovation gives a thought regarding giving automation in sericulture cultivate in collaboration with Karnataka State Sericulture Research and Development Institute, Bangalore.
- Published a Patent for depicting the results for developing young silkworm rearing machine

SMART INDIA HACKATHON

- Development of easy operating systems for persons with locomotor disability, Theme Name: Smart Automation, Team Name: Binary Flash, Smart India Hackathon, Team Leader Name: C SAI ANJAN, Team Mentor Name: Dr MADHUMATHY P
- Wearable sensor for sports biomechanics applications, Team Name: Solution Inc., Smart India Hackathon, Team Leader Name: Aishwarya T, Team Mentor Name: Dr MADHUMATHY P
- Smart Irrigation system for precision farming System, Theme Name: Agriculture, Food Tech, Team Name: AquaTech_Innovators, SmartIndia Hackathon, Team Leader Name: Sudhanva, Team Mentor Name: Dr MADHUMATHY P
- Waste to Energy management System, Team Name: Idea Forge, Smart India Hackathon, Team Leader Name: Vajramanasa Palguna, Team Mentor Name: Dr MADHUMATHY P

LIST OF PUBLICATIONS

International Journals

1. C. R., N. D. S., M. P., S. Sivasankar, Design of WDM (Wavelength Division Multiplexing) Systems, Advance Research in Analog and Digital Communications, vol. 2, no. 1, pp. 1-7, Jan. 2025.
2. Likheet Shetty, Madhumathy P., Karthik Shenoy "Cutting-edge Advances in Visible Light Communication Technologies and Applications, International Journal of Digital Electronics and Microprocessors Vol.1 Issue 1, 2025

3. Y. Nikhila, S. Solomon, M. P, "6G Wireless Networking Systems," International Journal of AI and Machine Learning Innovations in Electronics and Communication Technology, vol. 1, no. 1, pp. 1-8, Jan. 2025.
4. H. P. M., L. C. Krishna, M. P., H. Kumar, "Optical Fiber Communication System for Increased Reliability," Journal of Electronics and Telecommunication System Engineering, vol. 2, no. 1, pp. 1-8, Jan. 2025.
5. Charan Teja H., Bharath Gowda K. N., Madhumathy P., "Advanced Design and Performance Analysis of 64-Bit 6T SRAM," Journal of Advance Electrical Engineering and Devices, vol. 3, no. 1, pp. 1-9, Jan. 2025.
6. Ankitha H. M., Issac Samuel Paul, Madhumathy P., Shashank S. Rao, "Simulation and Implementation of Li-Fi Communication System International Journal of Artificial Intelligence of Things (AIoT) in Communication Industry "Vol. 1 No. 1 (2025)
7. Sowmya SriSusrarla, Syeda Rakshanda Sadaf, Madhumathy P, "Water Cleaning Robotic ARM", Indiana Journal of Multidisciplinary Research, Vol.04, Issue.03, July 2024
8. Akshay Hiremath, Kumar Rai, Ajay, Madhumathy P "Image Segmentation for Brain Tumor Prognosis" Indiana Journal of Multidisciplinary Research, Vol.04, Issue.03, July 2024.
9. Disha D, Rohit Y Mayavanshi, Sathvik Shridhar Prabhu, Tejas C, Madhumathy P, published a paper titled Automated Greenhouse using IoT and CNN, International Journal Of Scientific Research In Engineering And Management (IJSREM) VOLUME: 07 ISSUE: 05 | MAY - 2023 SJIF 2023: 8.176 ISSN: 2582-3930
10. Shashidhara B P , Shreya N , Sristi Malashetti , Priyanka Panduranga Palekar Madhumathy P published a paper titled BANK LOCKER SECURITY SYSTEM USING EMBEDDED SYSTEM, Vol-9 Issue-3 2023 IJARIE-ISSN(O)-2395-4396 in ijarie
11. Semi supervised CNN based vehicle type classification, GIS SCIENCE JOURNAL, VOLUME 9, ISSUE 12, 2023
12. P. Madhumathy, "Neural Network based ADN Network", GIS SCIENCE JOURNAL, VOLUME 9, ISSUE 12, 2022 (**Scopus**)
13. S. Sivasankar, Madhumathy P., Shashank S, Tushar Arora published a paper Graph Theory Approach for Load Balancing in Wireless Sensor Network, in Journal of Sensor Research and Technologies , Volume 5 Issue 1, 2022
14. Suma M R, Madhumathy P, "An optimal swift key generation and distribution for QKD" scientific and technical journal of Information technologies, Machines and optics (Elsevier), Vol. 22 No 1, January –February 2022 (wos, Scopus). DOI: [10.17586/2226-1494-2022-22-1-101-113](https://doi.org/10.17586/2226-1494-2022-22-1-101-113)
15. Isitha, Madhumathy P, "Study on Predictive Maintenance based Approaches for Designing Routing Protocols in Wireless Sensor Network", Published in Solid State Technology, Vol. 6, Issue 5, pp. 6891-6898, 2020. (ISSN 0038:111X). (Scopus indexed <https://www.solidstatetechnology.us/index.php/JSST/article/view/6591>)
16. Suma M R, Madhumathy P, "Hybrid cloud- Intra domain data security and to address the issues of interoperability" is published in International journal of recent technology and engineering, Vol 8, Issue IS 5, ISSN:2277-3878 Pg:340-344, 2019 (Scopus indexed) [International Journal of Soft Computing and Engineering \(ijrte.org\)](https://www.ijrte.org/)
17. Ambika, Suma, Madhumathy P, "Air quality monitoring system through mobile in metropolitan city" published in Lecture notes on data engineering and communication systems Pp:862-879, 2019 (Springer) (Scopus indexed) [Air Quality Monitoring System Through Mobile Sensing in Metropolitan City | SpringerLink](https://www.springerlink.com/)
18. Isitha, Madhumathy P "Study on Energy-Efficient and Lifetime-Enhanced Clustering Algorithm-Based Routing Protocols in Wireless Sensor Network" published in Emerging Research in Computing, Information, Communication and Applications, Advances in Intelligent Systems and Computing 882, (Springer) 2019, (Scopus indexed) https://doi.org/10.1007/978-981-13-5953-8_1
19. Suma M R, Madhumathy P, "Acquisition & Mining of Agricultural Data Using Ubiquitous Sensors with Internet of Things" published in Lecture notes of data engineering and communication (Springer) 2018, (Scopus indexed) [Acquisition and Mining of Agricultural Data Using Ubiquitous Sensors with Internet of Things | SpringerLink](https://www.springerlink.com/)

20. Narayana, Deeksha, Madhumathy P “A low cost and flexible zigbee system for logistics using WSN” published in International journal of innovative research in information security Issue 07,volume 5,September 2018 [A Low Cost and Flexible Zigbee System For Logistics Using Wireless Sensor Networks | PDF | Wireless Sensor Network | Bluetooth \(scribd.com\)](#)
21. Madhumathy P, Kavitha N, Raghu “Automatic Object Counting Method for Silkworm Eggs Using Image Processing” published in International Journal of Trend in Research and Development Volume-5 | Issue-4 August 2018 [International Journal of Trend in Research and Development \(ijtrd.com\)](#)
22. Madhumathy P, Saurabh Singh, Shivam Shukla, 4unni Krishnan “Detection of humps and potholes on roads and notifying the same to the drivers” is published in International Journal of Management and Applied Science, Volume-3, Issue- 1, Special Issue-2, Jan.-2017 [www.iraj.in/journal/journal_file/journal_pdf/14-340-1489215387130-133.pdf](#)
23. Madhumathy P, Harshitha B.S, Mounika G, Mala R “Smart Transport System” International Journal of Industrial Electronics and Electrical Engineering, Volume-5, Issue-1, Jan.-2017 [IJIEEE International journal | Peer reviewed, indexed journal](#)
24. Madhumathy P, Prashanth G, Rashmi B.R, Sri Lekha “Eye movement detection for paralyzed patient using pressure sensor” is published in International Journal of Scientific & Engineering Research, Volume 7, Issue 11, November-2016 ISSN 2229-5518 , (scopus indexed) [eye movement detection for paralyzed patient using pressure sensor \(ijser.org\)](#)
25. Madhumathy, Adarsh.A ,Kishor.N,Rakshith B.K “GSM and IoT for monitoring air pollution caused due to vehicles” International Journal of Science, Engineering and Management (IJSEM) Vol 1, Issue 7, November 2016 [radio frequency identification based smart security system for monitoring the \(technoarete.org\)](#)
26. Madhumathy P,Sharada, “Smart *Ambulance Service System*”is published in International Journal of Applied Engineering Research (IJAER), Volume 10, Number 55 (2015) (scopus indexed) [IJAER, International Journal of Applied Engineering Research, \(ripublication.com\)](#)
27. Madhumathy P , Sivakuamr D “Mobile Sink Based Reliable and Energy Efficient Data Gathering in WSN” is published in Journal of Theoretical and Applied Information Technology, 10th March 2014. Vol. 61 No.1 IF 1.71 (scopus indexed) [Journal of Theoretical and Applied Information Technology - March 2014 Volume 61 No 1 \(jatit.org\)](#)
28. Madhumathy P , Sivakuamr D “Power Efficient Data Aggregation in Wireless Sensor Networks” is published in International Journal of Advanced Computer Technology, ISSN:2320-0790,May 2014
29. Madhumathy P , Sivakuamr D “Energy Efficient Data Collection in WSN using Mobile Sink” is published in International Journal of Advanced Computational Engineering and Networking, ISSN: 2320-2106, Volume-1, Issue-10, Dec-2013
30. Madhumathy P “A Comparative Analysis of Clustering based Routing Technique for WSN” is published in International Journal of Scientific & Engineering Research, Volume 3, Issue 10, October-2012

International Book chapters published

1. Madhumathy P, Kavitha N & Madhumathy P, “Internet of things Based Health Monitoring and Tracking System for Soldiers” in the book Intelligent IoT for Advanced Healthcare Systems, 29 January 2022 <https://doi.org/10.1002/9781119769293.ch9>
2. Isitha Banerjee & Madhumathy P, IOT based health monitoring system for speech impaired person using assistive wearable accelerometer” in the book “Intelligent IoT for Advanced Healthcare Systems” 29 January 2022 <https://doi.org/10.1002/9781119769293.ch7>
3. R. Raja, V. Sudha, Balachandra,Madhumathy P, “LCL-T Filter Based Analysis of Two Stage Single Phase Grid Connected Module with Intelligent FANN Controllers” in the book Principles of machine learning and IOT systems: Insight paradigm” CRC Press Taylor and Francis Group, <https://doi.org/10.1201/9781003194415>
4. K. Vidhya, Ganesh Babu, Thilakavathi, P. Madhumathy,“Non-uniform data reduction technique with edge preservation to improve diagnostic visualization of medical images” in the book Principles of machine learning and IOT systems: Insight paradigm” CRC Press Taylor and Francis Group, Jan 2022 <https://doi.org/10.1201/9781003194415>

5. Banerjee, I., Madhumathy, P. (2022), "IoT Based Agricultural Business Model for Estimating Crop Health Management to Reduce Farmer Distress Using SVM and Machine Learning", in Internet of Things and Analytics for Agriculture, Volume 3. Studies in Big Data, vol 99. Springer https://doi.org/10.1007/978-981-16-6210-2_8
6. Madhumathy, P., Nitish Kumar, H.K., Pankhuri, Supreeth Narayan, D.S. (2021). IoT Based Regional Speed Restriction Using Smart Sign Boards. In: Ahmed, K.R., Hassanien, A.E. (eds) Deep Learning and Big Data for Intelligent Transportation. Studies in Computational Intelligence, vol 945. Springer, Cham. https://doi.org/10.1007/978-3-030-65661-4_10
7. Roopashree, Anitha J Madhumathy P, "Machine learning approach: Enriching the knowledge of Ayurveda from Indian Medicinal Herbs in the book Challenges and applications of Data analytics in social perspectives" (ISBN:290719-084254),November 2020 (IGI Global) <http://dx.doi.org/10.4018/978-1-7998-2566-1.ch012>
8. Prasad, S.B., Madhumathy, P. (2021). Long Term Evolution for Secured Smart Railway Communications Using Internet of Things. In: Das, S., Das, S., Dey, N., Hassanien, AE. (eds) Machine Learning Algorithms for Industrial Applications. Studies in Computational Intelligence, vol 907. Springer, Cham. https://doi.org/10.1007/978-3-030-50641-4_16
9. Kavitha, N., Madhumathy, P. (2020). Development of an IOT-Based Atmospheric Fine Dust Monitoring System. In: Dey, N., Mahalle, P., Shafi, P., Kimabahune, V., Hassanien, A. (eds) Internet of Things, Smart Computing and Technology: A Roadmap Ahead. Studies in Systems, Decision and Control, vol 266. Springer, Cham. https://doi.org/10.1007/978-3-030-39047-1_12
10. Ishita, Banerjee, Madhumathy, P. and Kavitha, N.. "3. Brain tumor image segmentation and classification using SVM, CLAHE, and ARKFCM". *Intelligent Decision Support Systems: Applications in Signal Processing*, edited by Surekha Borra, Nilanjan Dey, Siddhartha Bhattacharyya and Mohamed Salim Bouhlel, Berlin, Boston: De Gruyter, 2019, pp. 53-70. <https://doi.org/10.1515/9783110621105-003>
11. Ishita, Banerjee, Madhumathy, P "IOT based fluid and heartbeat monitoring for advanced health care" for book classification techniques for medical image analysis and computer aided diagnosis (Elsevier) volume 4, Chapter 8 (ISBN: 978-0-12-818004-4),2019 Scopus Indexed <https://doi.org/10.1016/B978-0-12-818004-4.00008-X>
12. Ishita, Banerjee, Madhumathy, P 'Implementation of Quick Response for Health care monitoring' in Book Title: Emerging Intelligent Techniques in Engineering & Technology published by Apple Academic Press, Globally Distributed by CRC Press. Chapter 3, 2021. <https://doi.org/10.1201/9781003187059>
13. Kavitha N & Madhumathy P, "Internet of things Based Health Monitoring and Tracking System for Soldiers" in the book Intelligent IoT for Advanced Healthcare Systems, 29 January 2022 <https://doi.org/10.1002/9781119769293.ch9>
14. Isitha Banerjee & Madhumathy P, IOT based health monitoring system for speech impaired person using assistive wearable accelerometer" in the book "Intelligent IoT for Advanced Healthcare Systems" 29 January 2022 <https://doi.org/10.1002/9781119769293.ch7>
15. R. Raja, V. Sudha, Balachandra, Madhumathy P, "LCL-T Filter Based Analysis of Two Stage Single Phase Grid Connected Module with Intelligent FANN Controllers" in the book Principles of machine learning and IOT systems: Insight paradigm" CRC Press Taylor and Francis Group <https://doi.org/10.1201/9781003194415>
16. K. Vidhya, Ganesh Babu, Thilakavathi, P. Madhumathy, "Non-uniform data reduction technique with edge preservation to improve diagnostic visualization of medical images" in the book Principles of machine learning and IOT systems: Insight paradigm" CRC Press Taylor and Francis Group, Jan 2022 <https://doi.org/10.1201/9781003194415>

17. Banerjee, I., Madhumathy, P. (2022), "IoT Based Agricultural Business Model for Estimating Crop Health Management to Reduce Farmer Distress Using SVM and Machine Learning", in Internet of Things and Analytics for Agriculture, Volume 3. Studies in Big Data, vol 99. Springer, Singapore. https://doi.org/10.1007/978-981-16-6210-2_8
18. Kavitha, N., Madhumathy, P. (2022). A Wireless Sensor Architecture for Efficient Water Quality Measurement and Monitoring Using the IoT. In: Rani, S., Sai, V., Maheswar, R. (eds) IoT and WSN based Smart Cities: A Machine Learning Perspective. EAI/Springer Innovations in Communication and Computing. Springer, Cham. https://doi.org/10.1007/978-3-030-84182-9_10
19. Madhumathy, P., Prasad, S.B. (2022). Design of a WSN Platform for Internet of Things Applications. In: Rani, S., Sai, V., Maheswar, R. (eds) IoT and WSN based Smart Cities: A Machine Learning Perspective. EAI/Springer Innovations in Communication and Computing. Springer, Cham. https://doi.org/10.1007/978-3-030-84182-9_11
20. P. Madhumathy, Shweta Babu Prasad, Chapter 3 - Recent advancements in AC microgrids: a new smart approach to AC microgrid monitoring and control using IoT, Editor(s): Josep M. Guerrero, Ritu Kandari, Microgrids, Academic Press,2022,Pages 67-88,ISBN 9780323854634, <https://doi.org/10.1016/B978-0-323-85463-4.00002-2>.

International Conferences

1. Madhumathy P, "Detection of mango leaves disease" in international conference on Distributed computing and optimization techniques organized by SJBIT. 15th & 16th March 2024.
2. Suma M R, Madhumathy P, "Intra Domain Data Security and to Address the Issues Of Interoperability in Hybrid Cloud", World sensor congress organized by center for materials for electronics technology, Kerala,8-10th March,2022
3. Isitha , Madhumathy P, "Study on various applications of multi-agent cluster based routing protocols in green IOT", World sensor congress organized by center for materials for electronics technology, Kerala,8-10th March,2022
4. Isitha , Madhumathy P "Exploration of various LEACH protocols for lifetime improvement of wireless sensor network", in International Virtual Conference on Emerging Frontiers in Control and Communication Technologies, August 2020, MSACE Chennai, ICECCT 2020.
5. Isitha , Madhumathy P "A Perusal of Energy Efficient and Secure Multi-CH based Clustering Routing Protocol with enhanced QoS for Wireless Sensor Network" at IEEE WIECON-ECE 2020, Bhubaneswar, India.
6. Isitha , Madhumathy P "An agent cluster based routing protocol for enhancing lifetime of WSN" in First IEEE International conference on advanced technology in intelligent control,environment,computing and communication engineering on 19th and 20th March 2019, DSATM Bangalore
7. Suma M R, Madhumathy P "Hybrid cloud- Intra domain data security and to address the issues of interoperability" in SITAMS International conference on innovations in engineering, technology and science (springer) on 28th and 29th October 2018, Chitoor, Andra Pradesh
8. Ambika, Suma, Madhumathy P "Air quality monitoring system through mobile in metropolitan city" presented a paper in International Conference on Intelligent data communication technologies and internet of things (springer) (ICICI 2018) held on 7-8 August 2018 at confyy at coimbatore,Tamil Nadu, India.
9. Isitha , Madhumathy P "Study on Energy Efficient and Lifetime Enhanced Clustering Algorithm Based Routing Protocols in Wireless Sensor Network" presented a paper in International Conference on Emerging Research in Computing, Information, Communication and Applications, ERCICA 2018 (springer) held on 27-28 July 2018 at Nitte Meenakshi Institute of Technology (NMIT)
10. Suma M R, Madhumathy P "Acquisition & Mining of Agricultural Data Using Ubiquitous Sensors with Internet of Things", presented a paper in 2018 Springer International conference on Computer Networks and Inventive Communication Technologies (ICCNCT - 2018) held on 26-27 April 2018 at RVS Technical campus, Coimbatore.
11. Suma M R, Madhumathy P "Analysis of Sense Amplifier Circuits in Nanometer Technologies", presented a paper in Fourth International Conference on Signal Processing, Communications and

Networking (ICSCN 2017) held at MIT, Anna University, Chennai on 16-18th March 2017.

12. Madhumathy P, Saurabh Singh, Shivam Shukla, 4unni “Detection of humps and potholes on roads and notifying the same to the drivers” presented a paper in International conference on electrical and electronics engineering (ICEEE) held at Bengaluru on 11th December 2016.
13. Madhumathy P, Harshitha B.S, Mounika G, Mala R “Smart Transport System” presented a paper in International conference on electrical, electronics & communication engineering (ICEECE) held at Mysore on 13th November 2016.
14. Paper entitled “A review on underwater wireless communication system” presented a paper in Sri sairam College of engineering, Bangalore, on November 2016.
15. Madhumathy, Adarsh.A ,Kishor.N,Rakshith B.K “GSM and IoT for monitoring air pollution caused due to vehicles” presented a paper in International conference on chip, circuitry, current, coding, combustion & composites (i7C-2016) on 10th &11th November 2016.
16. Madhumathy, Adarsh.A ,Kishor.N,Rakshith B.K “Smart Ambulance Service System” is presented in International Conference on Advances in Applied Engineering and Technology organized by Syed Ammal Engineering College, Ramanathapuram from May 14th – 16th 2015.
17. Madhumathy P, Sivakuamr D “Secure Routing Protocol in Heterogeneous WSN”, presented in International Multi Track Conference on Sciences, Engineering and Technical Innovations held at CT Institute of Engineering, Management & Technology, Punjab, June 2014.
18. Madhumathy P, Sivakuamr D “A Security Protocol for Data Fairness in Wireless Sensor Networks” has been presented at the International conference on Industrial Electronics and Electrical Engineering which was held at Bangkok on 24th May 2014.
19. Madhumathy P, Sivakuamr D “Integration of Dynamic Topology Adaptation and Opportunistic Routing for Wireless Mesh Networks” has been published in International Conference on Architecture, Software Systems and Green Computing 2014, which was held at Aarupadai Veedu Institute of Technology, Chennai on 8th May, 2014. PP 651-655.
20. Madhumathy P, Sivakuamr D “A Routing Protocol to Improve Triangular Problem for Mobile Sink in WSN” has been presented and published in IEEE Sponsored International Conference on Recent Trends in Information Technology, which was held on 9th April, 2014 at MIT, Anna University, Chennai.
21. Madhumathy P, Sivakuamr D “A Routing Protocol to Prevent Data Collision for Mobile Sink in WSN” has been presented and published in IETE 45th Mid term Symposium on Broadband Technologies and Services for Rural India MTS 14, which was held on 4th and 5th April, 2014.
22. Madhumathy P, Sivakuamr D “ Reliable Data Gathering by Mobile sink for Wireless Sensor Networks” has been presented and published in IEEE sponsored International Conference on Communication and Signal Processing , which was held at Adhiparasakthi Engineering College, Melmaruvathur on 3-5 April, 2014.
23. Madhumathy P, Sivakuamr D “Energy Efficient Data Collection in Wireless Sensor Networks using Mobile Sink” has been presented at the International Conference on ICEECSME, 24th November 2013, Hyderabad, India. ISBN: 978-93-82702-40-5 organized by IRAJ.
24. Madhumathy P, Sivakuamr D “An Energy Efficient Fuzzy System for Green Communication in WSN” presented in International Conference on Green Technology in Engineering and Applied Sciences held at Adhiparasakthi engineering college, Melmaruvathur.

National Conferences

1. N Kaushik ,Madhumathy P, Presented a paper titled “Detection of Phishing Attacks: Web Crawling vs LSTM” in NCEC-2024 on 3rd of January 2024, at DSCE, Bangalore.
2. Sathvik, Greeshma, Madhumathy P Presented a paper “Scientific Calculator” in NCEC-2024 on 3rd of January 2024, at DSCE, Bangalore.
3. Bhuvan S Ellur , J Anitha ,Anil Kumar B ,Madhumathy P, Presented a paper titled “HBV Reactivation in Primary Liver Cancer Using Machine Learning” in NCEC-2024 on 3rd of January 2024, at DSCE, Bangalore
4. Ankit Param , Uma Guruprasad , Madhumathy P, Presented a paper titled “VoIP security enhancement” in NCEC-2024 on 3rd of January 2024, at DSCE, Bangalore
5. Jayanthi Pavan Sathvik , Greeshma Bharath , Madhumathy P , S. Sivasankar, Presented a paper titled “Scientific Calculator” in NCEC-2024 on 3rd of January 2024, at DSCE, Bangalore

6. Anusha P Dayananda , Aiman Sabar , S. Sivasankar ,Madhumathy P , Presented a paper titled “An application of the fuzzy logic approach to selecting stocks in the stock market” in NCEC-2024 on 3rd of January 2024, at DSCE, Bangalore
7. Abhay R S, T Aishwarya, P Hemasree,Remidi Sahith Reddy, Dr. Madhumathy P, published a paper titled IoT-Based Telemedicine Health Analysis System – A Literature Survey in National conference on Digital technology and engineering,RVITM 28th April 2023.
8. T Aishwarya ,P Hemasree, Madhumathy P, "Smart Mirror using RaspberryPi",National Conference on Emerging Trends in Electronics and Automation (NCETEA-22), organized by SRM Valliammai Engineering College, chennai, 24th May 2022
9. Dr. Madhumathy P, Sowmya Sri , Syeda Rakshanda sadaf , Harshitha S K , Surya A C“ Water Cleaning Robotic Arm” in the 2nd National Conference on Digital Technology & Engineering in RVITM on 2nd & 3rd May 2024.
10. Dr. Madhumathy P, Akshay Hiremath “Image segmentation for Brain Tumor Prognosis” in the 2nd National Conference on Digital Technology & Engineering in RVITM on 2nd & 3rd May 2024.
11. P Hemasree, T Aishwarya ,Madhumathy P, "Motion Detection using MEMS for Navigation System", National Conference on Emerging Trends in Electronics and Automation (NCETEA-22), organized by SRM Valliammai Engineering College, chennai, 24th May 2022
12. Madhumathy P “An approach for the secure management of hybrid cloud–edge environments” in sixth national conference on convergence of science, technology and management- NCCSTM 2020 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 27th May 2020
13. Madhumathy P “Smart mirror using Raspberry Pi” in sixth national conference on convergence of science, technology and management- NCCSTM 2020 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 27th May 2020
14. Madhumathy P “Face recognition based attendance system using raspberry Pi” in sixth national conference on convergence of science, technology and management- NCCSTM 2020 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 27th May 2020
15. Madhumathy P “WSN based natural hazardous monitoring and protecting for crops also moral support for farmer using natural renewable resource” in fifth national conference on convergence of science, technology and management- NCCSTM 2019 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 10th May 2019.
16. Madhumathy P “wireless monitoring controller for agriculture” in fifth national conference on convergence of science, technology and management- NCCSTM 2019 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 10th May 2019.
17. Madhumathy P “Smart Speaker” in fifth national conference on convergence of science, technology and management- NCCSTM 2019 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 10th May 2019.
18. Madhumathy P “Hybrid Cloud – A Secure Cloud Enabled IoT Architecture” in fourth national conference on convergence of science, technology and management- NCCSTM 2018 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 3rd May 2018.
19. Madhumathy P “Portable Plotter” in fourth national conference on convergence of science, technology and management- NCCSTM 2018 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 3rd May 2018.
20. Madhumathy P “Structural health monitoring framework based on IOT” in fourth national conference on convergence of science, technology and management- NCCSTM 2018 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 3rd May 2018.
21. Madhumathy P “No reference and full reference image quality assessment for neural networks ” in fourth national conference on convergence of science, technology and management- NCCSTM 2018 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 3rd May 2018.
22. Madhumathy P “Automated smart sericulture system using wireless sensors” in Third national conference on convergence of science, technology and management- NCCSTM 2017 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 19th May 2017.
23. Madhumathy P “Acquisition and mining of agricultural data using ubiquitous sensors with internet of things” in Third national conference on convergence of science, technology and management- NCCSTM 2017 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 19th May 2017

24. Madhumathy P "Internet of things based architecture of web and smart home interface using GSM" in Third national conference on convergence of science, technology and management- NCCSTM 2017 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 19th May 2017.
25. Madhumathy P "Energy efficient protocol to increase network lifetime in WSN" in Third national conference on convergence of science, technology and management- NCCSTM 2017 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 19th May 2017.
26. Madhumathy P "Power saving scheme for multi hop sensor networks" in Third national conference on convergence of science, technology and management- NCCSTM 2017 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 19th May 2017.
27. Madhumathy P "zigbee based mine safety monitoring system with GSM" in National Conference on Convergence of Science, Technology & Management(NCCSTM-2016) at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 5th May 2016.
28. Madhumathy P "Eye monitored wheel chair control for people with quadriplegia" in National Conference on Convergence of Science, Technology & Management(NCCSTM-2016) at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 5th May 2016.
29. Madhumathy P "Optimization in fault tolerant topology control process for multihop networks" in National Conference on Convergence of Science, Technology & Management(NCCSTM-2016) at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 5th May 2016.
30. Madhumathy P "Efficient and secure vector routing for mobile wireless adhoc networks" in National Conference on Convergence of Science, Technology & Management(NCCSTM-2016) at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 5th May 2016.
31. Madhumathy P "Accident Prevention and Detection System" in National Conference on Convergence of Science, Technology & Management(NCCSTM-2016) at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 5th May 2016.
32. Madhumathy P "Micromachined High Q Substrate Integrated Multicavity Filter" has been selected and presented in First National Conference on Green Computing Technologies at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 7th May 2015.
33. Madhumathy P "Intelligent Ambulance Transport System" has been selected and presented in First National Conference on Green Computing Technologies at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 7th May 2015.
34. Madhumathy P "Power Efficient Data Aggregation in Wireless Sensor Networks" has been selected and presented in Fourth National Conference on Advanced Computing Applications and Technologies (NCACT-2k14) at Easwari Engineering College, Chennai, on May 7, 2014.
35. Madhumathy P "A Novel Data Flow Testing Approach using Ant Colony Optimization" has been presented in the National Conference on Emerging Trends and Technology in Computer Science on 14th March 2014 at Shri Andal Alagar College of Engineering, Mamandur
36. Madhumathy P "Real Time Data Updation and Web Traffic Reduction using Green Ajax" has been presented in National Conference on Networking, Image Processing and Multimedia on 8th Sep 2012 at KSIT ,Bangalore.
37. Madhumathy P "Self-Healing on Automatic Computing Systems" has been presented in the National Conference on Recent Advances in Technology has been presented on 21st and 22nd March 2012 at T.John Institute of Technology, Bangalore
38. Madhumathy P, Sivakumar D "Minimization of Vertical Handoff by SCTP Protocol in a Heterogeneous Wireless Network" has been selected and presented in National Conference on Power, Information and Communication at Adhiparasakthi Engineering College, Melmaruvathur, on 24th March 2011.
39. Madhumathy P "Autonomic Automatic Computing" has been presented in National Conference on Intelligent Computing and Communication Networks on 5th April 2011 at Sengunthar Engineering College.
40. Madhumathy P "Automatic Computing" has been presented in the National Conference on Engineering Science and Technology held on 26th Feb 2011 at Dhanalakshmi Srinivasan college of Engineering and Technology.
41. Madhumathy P "Providing Authenticity and Integrity for DICOM Images" has been accepted and published in National Conference on Networking, Communication Systems and Signal Processing at Karpaga Vinayaga College of Engineering and Technology, Maduranthakam on 31st March 2010.

42. Madhumathy P “Video Denoising using Threshold Estimation” has been selected and presented in National Conference on Communication and Informatics at Sri Venkateswara College of Engineering, Chennai on 5th & 6th of May 2009.
43. Madhumathy P “High Performance Voice Verification System using Wavelets and Neural Networks” has been selected and presented in National Conference RTAC at Thiagarajar School of Management, Madurai on 17th & 18th April 2009

CONSULTANCY

1. Principal Investigator of Project Wireless Sensor Network for Monitoring Applications, Sponsored by Techmind solutions Pvt.Ltd., Bangalore
Reference Number: Ref. No. WSN/2019-06/04A
Started on: 16/09/2019 Duration: 3
Months Amount: 60,000
2. Principal Investigator of Project Developed Web UI in HTML5, CSS3, Loyal Pouch Technologies, Bangalore
Reference Number: Ref. No. AR/007/2018C
Started on: 30/06/2018 Duration: 2
Months Amount: 25,000

CERTIFICATIONS

1. Fundamentals of Network communication, online Course, University of Colorado, Coursera. Completed on 24th May 2020.
2. Introduction to TCP/IP, online Course, Yonsei University, Coursera. Completed on 29th May 2020.
3. Peer to Peer protocols and local area networks, online Course, University of Colorado, Coursera. Completed on 27th May 2020.
4. Programming for everybody, online Course, Michigan University, Coursera. Completed on 1st June 2020
5. Secured 95% in Faculty program on NBA conducted by Bharati Vidyapeeth College of Engineering, Navi Mumbai ,May 2020
6. NI Labview, myRIO and myDAC 5 weeks course from VI Solutions, Bangalore
Completed in October 2018.
7. Machine Learning, 11 weeks online Course, Stanford University, Coursera. Completed on 14th October 2016 (96% Grade)
8. Estimation for wireless communication, MIMO, OFDM, Cellular and Sensor, 8 weeks NPTEL MOOC from IIT Madras, India. Networks, Completed in March 2016 (Topper with 97% score).
9. Successfully Completed the course on “Design Thinking for Beginners ” offered by Simplilearn, March 2022
10. Completed certification course on “Build your own Chatbot”, cognitiveclass.ai Powered by IBM Developer Skills Network on December 7, 2022.
11. Completed certification course on “Artificial Intelligence crash course” by Cursa from 26/11/2022 to 02/12/2022.
12. Completed certification course on “Machine Learning ON ramp”, Powered by Mathworks on September 10, 2023.
13. Completed certification course on “Build your own Chatbot”, cognitiveclass.ai Powered by IBM Developer Skills Network on December 7, 2022.
14. Completed certification course on “Artificial Intelligence crash course” by Cursa from 26/11/2022 to 02/12/2022.
15. Completed certification course on “Build your own Chatbot”, cognitiveclass.ai Powered by IBM Developer Skills Network on December 7, 2022.
16. Completed certification course on “Machine Learnin ONramp”, Powered by Mathworks on September 10, 2023.
17. Completed certification course on “Data analysis on NumPy and python” Powered by Scaler Data science
18. successfully completed the module “Gen AI use in the research workflow”, on Monday 23 September,

2024 Presented by Elisenda Aguilera-Cora, Doug Feldner

19. Successfully completed the Course “Introduction to Cybersecurity Awareness” on 12th August 2024, by HP LIFE!

INVITED TALKS/GUEST LECTURES

1. Invited as a keynote speaker and gave a talk on Electronics & Communication engineering Emerging techniques in NCEC-2024 on 3rd of January 2024, at DSCE, Bangalore.
2. Invited as session speaker for Six days Physical mode Faculty Development and Training Programme on “CEC331- 4G/5G COMMUNICATION NETWORKS” from 29.01.2024 to 03.02.2024, sponsored by Anna University at Loyola-ICAM College of Engineering & Technology, Chennai
3. Recourse person in one day workshop on Awareness Program on National Instrumentation on 13/03/2021 at Dayananda Sagar Academy of Technology and Management, Bangalore
4. Delivered a Lecture on “Introduction to wireless communication” at Shri Andal Alagar College of Engineering, Mamandur, June 8, 2020
5. Delivered a lecture on Back propagation and Resilient propagation algorithm” in Modern optimization tools in engineering filed, AICTE sponsored 6 days STTP, at Valliammai Engg. College, Chennai, on 16/11/2020 to 21/11/2020
6. Delivered a Lecture on “Basic Electronics” in five days Faculty Development Training Programme on Electron Devices at Valliammai Engg. College, Chennai, on 11/05/2020 to 15/05/2020
7. Recourse person in two days workshop on “graphical programming, data acquisition and hardware programming using NI LabVIEW” held on 4th and 5th November 2019 at Dayananda Sagar Academy of Technology and Management, Bangalore
8. Delivered a Lecture on “Intellectual property rights” held at Dayananda Sagar Academy of Technology and Management, Bangalore, 2018
9. Delivered a Lecture on “NS2- Network Simulator” for an AICTE QIP Short-Term Course” for MCA teachers on Computer Networks, at T.John Institute of Technology, Bangalore, July 2015
10. Delivered a Lecture on “Generation of mobile communication”, at New Horizon College of engineering, March, 2012.
11. Delivered a Lecture on “Routing in Adhoc Networks and Wireless Sensor Networks” at Shri Andal Alagar College of Engineering, Mamandur, March 2010

INTERNATIONAL RECOGNITIONS

Reviewer (Journals)

- International Journal of Ambient Computing and Intelligence (IJACI) -IGI Global
- IEEE Access, IET Image Processing
- Imaging Science Journal-Taylor & Francis
- Computer Standards & Interfaces (CSI)- Elsevier
- Information Sciences (INS)- Elsevier
- Journal of Systems and Software (JSS)- Elsevier
- Journal of Information Security and Applications (JISA)- Elsevier
- International Journal of Synthetic Emotions (IJSE) - IGI Global
- International Journal of Rough Sets and Data Analysis (IJRSDA) - IGI Global
- Asian journal of mathematics and computer research
- Asian journal of Research in computer science
- British journal of applied science and technology

Reviewer (Conferences)

1. Received certificate of excellence in outstanding contribution to the quality of the book in BP International.
2. Received certificate as reviewer form Cluster computing, Springer Nature, 30th October 2024.
3. Received certificate as reviewer form Signal, Image and video Processing, Springer Nature, 13th November 2024.
4. Received certificate as reviewer form Journal of cloud computing, Springer Nature, 30th September 2024.

5. Reviewer in International Joint Conference on Computer science and software Engineering organized by CSCRN 2024
6. Reviewer in IEEE International Conference on Applied Intelligence and sustainable computing organized by, Shri Dharmasthala Manjunatheshwara College of Engineering & Technology, Dharwad, 2023
7. Received certificate for serving 21st International Joint Conference on Computer science and Software Engineering,2024
8. Received certificate as reviewer for IEEE International conference, Organized BY BITS Pillani , UAE Campus, on 9th-11th December 2024.
9. Reviewer in International Multi-Conference on Advances in Information Technology, Communication and Energy Systems-AITCES 2024, organized by Dr. Ambedkar Institute of Technology, Bengaluru during 23rd to 24th January 2024
10. Received certificate as reviewer form WSEAS Transactions On Environment and Development
11. Received certificate of excellence in outstanding contribution to the quality of the book in BP International.
12. Received certificate of excellence in Journal Advances in Research in recognition in outstanding contribution to the quality of the journal
13. Participated as a reviewer in the peer review process for the International Journal of Electronics and Letters (Taylor and Francis group) on 31st October 2022.
14. Received certificate of excellence in outstanding contribution to the quality of the book in BP International.
15. Received certificate as reviewer form WSEAS Transactions On Environment and Development
16. Reviewer in IEEE International Conference on The Confluence of Advancements in Robotics, Vision and Interdisciplinary Technology Management IC-RVITM'23 organized by RV Institute of Technology and Management, Bangalore during 28th & 29th November 2023
17. Received certificate of excellence in outstanding contribution to the quality of the book in BP International.
18. Received certificate as reviewer form WSEAS Transactions On Environment and Development
19. Reviewer in IEEE International Conference on data science and network security organized by Kalpataru Institute of Technology Tiptur during 28th & 29th July 2023
20. Participated as a reviewer in the peer review process for the International Journal of Electronics and Letters (Taylor and Francis group) on 31st October 2022.
21. Received certificate of excellence in outstanding contribution to the quality of the book in BP International.
22. Received certificate as reviewer form WSEAS Transactions On Environment and Development
23. Reviewer of Asian Journal of Advances in Research
24. Acted as publication chair for first international IEEE conference ICATIECE 2019
25. First IEEE International conference on advanced technology in intelligent control, environment, computing and communication engineering,19-20th March 2019
26. Third IEEE International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques (ICEECCOT-2018), GSSS Institute of Engineering and Technology for Women, Mysore, India, 14th-15th December 2018.
27. Second IEEE International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques (ICEECCOT-2017), GSSS Institute of Engineering and Technology for Women, Mysore, India, 15th-16th December 2017.
28. Second International Conference on Smart Trends for Information Technology and Computer Communications (SmartCom 2017), 18-19 August, 2017, Pune.
29. IEEE International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques (ICEECCOT-2016), GSSS Institute of Engineering and Technology for Women, Mysore, India, 9th-10th December 2016.
30. International Conference on Advanced Trends in VLSI and Signal Processing (ICAVSP-2014), K.S. Institute of Technology, Bangalore, India, 13th -14th August 2014.

Session Chair (Conferences)

- Session chair in 4th Asian conference of Innovation in Technology (*ASIANCON*) organized by IEEE Bombay Section, during August 23 & 25, 2024
- Session chair in 3 day national conference on Electronics and communication engineering sponsored by IEEE WOMEN WING, DSCE, Bangalore January ,3-5th 2024
- Session chair in 4th National Conference on “Communication and Data Science - 2024 (NCCDS-2024)” on 25th April 2024, in association with IETE, ISTE organized by GSSS Institute of Engineering & Technology for Women, Mysore.

- Session chair in Third IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2024) during 26th & 27th April 2024 in association IEEE Bangalore Section. organized by Ballari Institute of Technology and Management, Ballari, Karnataka
- Session chair for 2nd National Conference on Digital Technology & Engineering in RVITM on 2nd & 3rd May 2024.
- Session chair in Evolutionary Algorithms And Soft Computing Techniques (*EASCT-2023*) organized by RV Institute of Technology and Management, Bangalore during October 20 & 21, 2023
- Session chair in IEEE International Conference on The Confluence of Advancements in Robotics, Vision and Interdisciplinary Technology Management IC-RVITM'23 organized by RV Institute of Technology and Management, Bangalore during 28th & 29th November 2023
- Session chair in 3rd International Conference on Microelectronics, Computing Systems, Machine Learning & Internet of Things (MCMI-2022) organized by ISVE at Advanced Regional Telecom Training Centre, BSNL, Hazaribag Road, Ranchi-835217, Jharkhand, India during Sept. 17 -18th 2022 in Virtual Mode.
- Session chair in ICOECA-22 Springer Conference held on 3/2/2022 at RVITM
- Chaired a session at the sixth national conference on convergence of science, technology and management NCCSTM 2020 held on 27th May 2020
- Chaired a session at the fifth national conference on convergence of science, technology and management NCCSTM 2019 held on 10th May 2019
- Chaired a session at the fourth national conference on convergence of science, technology and management NCCSTM 2018 held on 3rd May 2018
- Chaired a session at the third national conference on convergence of science, technology and management NCCSTM 2017 held on 19th May 2017
- Acted as judge for PROJECT EXPO-2017 organized by T.John Institute of Technology, Bangalore
- Chaired a session at the national conference on convergence of science, technology and management NCCSTM 2016 held on May 5th 2016.
- Acted as a Judge for the national level conference organized by Dayananda Sagar Academy of Technology and Management, Bangalore which was held on 7th May, 2015.
- Acted as Review Committee Member for national level conference conducted by DSATM, Bangalore held on 7th May 2015.
- Acted as Judge for 3rd National Conference on Recent Advances in Technology and Engineering which was held on 26th March 2014 at T.John Institute of Technology, Bangalore.
- Judged the Project exhibition at New horizon college of engineering, organized by the Department of ECE, Bangalore, on May 2015.

CONTRIBUTIONS TO THE ORGANIZATION

1. NBA Coordinator
2. College IEEE conference coordinator
3. Dept. Research Coordinator
4. Project coordinator for the year
5. Conference coordinator for the year

6. Project Exhibition coordinator
7. Project symposium coordinator
8. FDP coordinator
9. IPR coordinator
10. Test Coordinator
11. Academic Audit committee member
12. Department assessment committee member
13. ISTE Student chapter coordinator

WORKSHOP/CONFERENCES/SEMINAR CONDUCTED

- Organized “ElectroVerse-Innovate, Code, Compete” technical knowledge and innovation , on 27/11/2024, 6th-floor Auditorium, RVITM.
- Organized a Technical Talk on GENERATIVE AI IN HEALTH CARE AND EDGE DEVICES on 24/01/2024 to all 6th Semester Students.
- Department coordinator for 2nd National Conference on Digital Technology & Engineering organized by RVITM on 2nd & 3rd May 2024.
- Publication member coordinator for IEEE International Conference on The Confluence of Advancements in Robotics, Vision and Interdisciplinary Technology Management IC-RVITM’23 organized by RV Institute of Technology and Management, Bangalore during 28th & 29th November 2023
- Electronic and communication Exchange (ECX) forum is Inaugurated on 24th January 2024 with the faculty coordinator Dr.Madhumathy P
- Conducted inter-department non-technical quiz competition event for students named “Mind Fest” on May 26th 2022 in RVITM under NDLI Club in RVITM.
- Conducted two days technical event for students named “E- Technophilia” on February 2 & 3, 2022 in RVITM. Various events conducted under this are Tech Art, E Vision, Fake it, E Ideathon, C Blitz, Quizzard, Best of E waste, Techno Gaz in RVITM.
- Co-ordinator for National Level “Research conclave” held on 10th April 2021 at Dayananda Sagar Academy of Technology and Management, Bangalore
- Organised a workshop on “Awareness Program on National Instrumentation” held on 13/03/2021 at Dayananda Sagar Academy of Technology and Management, Bangalore
- Organised a geust lecture on “Fuzzy Logic in soft computing Techniques” held on 12th November 2020 at Dayananda Sagar Academy of Technology and Management, Bangalore
- Co-ordinator for “Sixth national conference on convergence of science, technology and management- NCCSTM 2020” held on 27th May 2020 at Dayananda Sagar Academy of Technology and Management, Bangalore.
- Acted as publication chair for first international IEEE conference ICATIECE 2019
- Co-ordinator for “fifth national conference on convergence of science, technology and management NCCSTM 2019” held on 10th May 2019 at Dayananda Sagar Academy of Technology and Management, Bangalore.
- Co-ordinator for five days FDP on “Embedded system design, IOT & IOT security protocols” organized by Dayananda Sagar Academy of Technology and Management, Bangalore from 16th to 20th Jan 2019
- Co-ordinator for “Two days workshop on “IOT and Embedded System Design Digital Shark Technologies in Association with Texas Instruments” on 27th and 28th October 2018
- Co-ordinator for “Fourth national conference on convergence of science, technology and management- NCCSTM 2017” held on 3rd May 2018 at Dayananda Sagar Academy of Technology and Management, Bangalore.
- Co-ordinator for “Third national conference on convergence of science, technology and management- NCCSTM 2017” held on 19th May 2017 at Dayananda Sagar Academy of Technology and Management, Bangalore.
- Co-ordinator for “National conference on convergence of science, technology and management

NCCSTM 2016” which was held on 5th May 2016 at Dayananda Sagar Academy of Technology and Management, Bangalore.

- Co-ordinator for “National Conference on Green Computing Technologies NCGCT 2015” which was held on 7th May 2015 at Dayananda Sagar Academy of Technology and Management, Bangalore.
- Guest lecture on Wireless Sensor Networks at SMR East Coast College of Engineering & Technology, January, 2014
- Faculty Development Program on Writing Research Proposals at SMR East Coast College of Engineering & Technology, 2013
- Two days Workshop on ARM Processors at New Horizon College of Engineering October 2011.
- Two days Workshop on Wireless Embedded System at New Horizon College of Engineering December 2011.
- Inauguration of IETE students Forum (ISF) at Shri Andal Alagar College of Engineering, July 2008.
- Entrepreneurship Development Awareness Program at Shri Andal Alagar College of Engineering, March 2008.
- 17th ISTE State Level Faculty Convention at Shri Andal Alagar College of Engineering, January 2008.

WORKSHOP/CONFERENCES/SEMINAR ATTENDED

- Attended 6 day Online FDP on “Developing Research supervision skills” from 23rd to 28th September, at National Institute of Technology, Calicut.
- Attended 6 day Online FDP on “Django Development Bootcamp” from 15th to 27th July, 2024, Pragathi Engineering college, Surampalem.
- Attended one week online Faculty Development Programme and workshop on “Integrating Interdisciplinary Research for Innovation and Sustainable Development” jointly organized by Karunya School of Management (NAAC A++ Accredited), Coimbatore and CMAOI Association from August 19, 2024 to August 23, 2024
- Attended 6 day Online FDP on “Developing Research supervision skills” from 23rd to 28th September, at National Institute of Technology, Calicut.
- Attended 5 day FDP on “Outcome based Education” on 25th, 27th, 30th September and 3rd, 4th October 2023 at RV Institute of Technology and Management.
- Attended 7 day national level online FDP on Chat GPT, AI tools for educator- inline with OBE, on 19th – 26th July 2023 at St. Joseph’s college, Kerala.
- Attended 6 day national level online FDP on : Recent trends in nano science , materials and applications” from 26/02/2024 to 2/03/2024 at SITAMS ,Chennai (Hybrid mode)
- Attended 2 day national level online FDP from July 26th and 27th 2023 powered by India Edu Program executed by smart Bridge.
- Attended 2 day national level online FDP on “Recent trends is computing 3.0” organized by Vishwakarma Institute of technology, Oct 2023.
- Attended one week national level online workshop on Circuit and system design tools, on 27th – 3rd July 2023 at VIT, AP university.
- Attended webinar on “Empowering Engineering Excellence through MATLAB and Simulink” Organized by CoreEL Technologies on August 4th 2023.
- Attended Two Days Online INTERNATIONAL WORKSHOP on “Research Methodology” organized by D Y Patil Institute of MCA and Management, Akurdi, Pune scheduled from 29th to 30th September 2022.
- Attended webinar on “Internet of Robotics and Futuristic Drone Technology“ Organized by IEEE RAS AIT SBC on September 23rd 2022.
- Attended webinar on How to write an abstract and improve your article Organized by ELSEVIER Research Academy on November 7th 2022
- Attended webinar on "Writing Publishable Article In Reputable Journals“ Organized by QUVAE Research and Publications on November 4th 2022

- Attended seminar on Research Essentials: Fundamentals of writing research articles for high impact journals and Elsevier's Science direct Online, on Thursday 17 November 2022 Presented by Aishwarya naya Customer consultant
- successfully completed the workshop Creativity, activity, service During the Online - September 2022 event, from September 7, 2022 to October 5, 2022. The workshops were organized by the IB Online Professional Development department
- Attended 5 day FDP on "Electronic Devices and communication for Embedded System" in association with ISTE student chapter of SRM college of Engineering from 17th to 21st October 2022.
- Attended one-week FDP on "Amazon Web Services" Organized by RV Institute of Technology & Management, Bangalore in collaboration with Brainovision Solutions India Pvt.Ltd & All India Council For Technical Education – AICTE from 22nd August to 27th August 2022
- Attended 5 day FDP on "Outcome based Education" on 25th, 27th, 30th September and 3rd, 4th October 2023 at RV Institute of Technology and Management.
- Attended 7day national level online FDP on Chat GPT, AI tools for educator- inline with OBE, on 19th – 26th July 2023 at St.Joseph's college, Kerala.
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- Attended 5 day FDP on "Electronic Devices and communication for Embedded System" in association with ISTE student chapter of SRM college of Engineering from 17th to 21st October 2022
- Attended One week FDP on "NBA Accreditation and teaching learning in Engineering", from 21st to 25th February 2022 organized by Narasu's Sarathy Institute of Technology, Salem
- Attended AICTE-VTU Joint Teachers Training program on "An Overview of Teaching Techniques in Data Science and Analytics" from 25th to 29th April 2022.
- Attended One Week Online Training Program for Teachers On "An Overview of Teaching Techniques in Basics of Electronics and Communication Engineering" 13th – 17th December 2021, organized by VTU
- Two Day Online International Workshop on "Nanomaterial for Clean Energy and Space Astronomy (IWNCESA-2022)" on 22 and 23 February 2022, organized by the Department of Physics and Ethiraj College Astronomy Club, Ethiraj College for Women, in association with The Indian Science Congress Association, Chennai Chapter, Tamil Nadu
- Intellectual property workshop on patent filing, trademark, Industrial design held at Sahyadri college

of engineering and management, in association with VTPC and KSCST on 26th April 2022

- Workshop on Scientific and technical writing conducted by Nano science and technology consortium on 7/05/2022
- WHERE TO PUBLISH? YOUR RESEARCH DESERVES THE BEST held on 22 Feb 2022 from,IEEE Bangalore section
- Attended Seminar on “satellite image processing: Feature extraction” organized by Bangalore Technological Institute on 27th June 2020
- Attended IP Awareness/Training program under National IP Awareness Mission on 10/02/2022 organized by intellectual property office, Govt. of India
- Attended Two Day Online International Workshop on "Nanomaterials for Clean Energy and Space Astronomy (IWNCEA-2022)" on 22 and 23 February 2022, organized by the Department of Physics and Ethiraj College Astronomy Club, Ethiraj College for Women, in association with The Indian Science Congress Association, Chennai Chapter, Tamil Nadu
- Attended Intellectual property workshop on patent filing, trademark, Industrial design held at Sahyadri college of engineering and management, in association with VTPC and KSCST on 26th April 2021.
- Attended Workshop on Scientific and technical writing conducted by Nano science and technology consortium on 7/05/2022
- Attended webinar on WHERE TO PUBLISH? YOUR RESEARCH DESERVES THE BEST held on 22 Feb 2022 from 6 PM to 8 PM IST, IEEE Bangalore section
- Attended Seminar on “How to publish 50,000+ research & conference papers effectively using TYPESET research studio” organized by RIT central library of RIT, Islampur, Maharashtra on 22nd June 2020.
- Attended one week FDP on “Recent IT technologies, writing papers and funding proposals” organized by Rajrambapu Institute of technology along with IEEE Bombay section from 20th June to 24th June, 2020.
- Attended Seminar on “Power CMOS VLSI Circuits” organized by IEEE Bangalore section on 20th June 2020.
- Attended Seminar on “Learning locally, Impacting globally: Roles of people & technology in building the economy” organized by Rajiv Gandhi college of engineering, Chanrapur on 20th June 2020.
- Attended Seminar on “Telemedicine, IOT and Nanoscience” organized by GSSSIETW IEEE student chapter, Mysore on 12th June 2020.
- Attended Seminar on “LETpub Learning Nexus” research funding forum: How to guarantee grant success on 11th June 2020.
- Attended Seminar on “Art and Challenges of writing papers for IEEE transactions” organized by IEEE Bangalore section on 8th June 2020.
- Attended one week FDP on “Innovation design thinking & Entrepreneurship” organized by Sreenidhi Institute of Science and Technology, Hyderabad, from 01st June to 06th June 2020.
- Attended one week FDP on “Establishing research beyond the horizon” organized by N.K.T. National college of education for women from 26th May to 30th May 2020.
- Attended National Level Online Quiz on “E-Learning” Organized by department of Computer Engineering P.V.P.P. College of Engineering, Mumbai-22 dated 6/12/2020
- Attended technical quiz on fundamentals of Electronics conducted by ISTE Student chapter, SECAB Institute of Engineering and Technology, Vijayapur on 11/06/2020.
- Attended 2 days FDP on “Skill enhancement for Academicians” organized by Jain college of Engineering, Belagavi, 8th & 9th June, 2020.
- Attended webinar on “IoT Simulation Using TinkerCAD” Organized by Department of Electronics and Communication Engineering, CIT, NORTH CAMPUS, Bangalore on 9th June 2020
- Attended “OBE Lecture series 1” conducted by Winsun Global Tech on 6th and 7th June 2020.
- Attended e-Quiz “Braintronics” on 6/6/2020, with a passing score of 91% organized by Department of Electronics and Communication Engineering, Basaveshwar Engineering College (A), Bagalkot, Karnataka
- FDP on “Neural networks and Deep learning using python” organized by Reva University, Bangalore

1st to 5th June, 2020.

- Attended webinar on “Webinar series on AI and Data Science” organized by IEEE Bangalore section from May 30th, 2020
- Attended 2 days skill enrichment program on “Introduction to Swift programming language” organized by ATME College of Engineering, May 2020.
- Attended 3 days FDP on “Emerging Technologies in IT Industry” organized by Jain College of engineering, Belgavi May 2020
- Participated in “STEP on Three Amigos: Mouse clicks, Humans & Threats” organized by IEEE young Professional, Bangalore Section, BMSCE, 28th May 2020
- Attended AICTE Training on “Block chain” at national institute of technology, Warangal from 25/05/2020 to 29/05/2020
- webinar on “Advanced Embedded Systems Design for Emerging Technology” organized by SJB Institute of Technology 22/5/2020
- webinar on “Reference Management Tool for Research articles & Thesis” organized by IEEE Bangalore section on 20/5/2020
- webinar on “Data analytics and machine learning using python and R” organized by Cyper analytica on 18/5/2020
- webinar on “Digital Innovations and Transformations -reflect changes in society and business” organized by Karnataka State Council for Science and Technology, May 15th 2020.
- Attended and secured 95% in Faculty program on NBA conducted by Bharati Vidyapeeth College of Engineering, Navi Mumbai, May 2020.
- Attended webinar on “Introduction to cloud computing using Microsoft Azure ” organized by VMS College of Engineering, Ramachandrapuram, May 16th 2020
- Attended and secured 95% in “E Quiz on basic electrical” conducted by Dayananda Sagar Academy of Technology and Management, Bangalore on 16/05/2020
- Attended webinar on “Fundamentals of wind energy ” organized by Basaveshwar Engineering College, Bagalkot May 6th 2020
- Attended webinar on “Management and economics ” organized by University of Technology, Rajasthan May 5th 2020
- Attended webinar on “Rules of lockdown during COVID -19 ” organized by Deepshika teachers training college, Jaipur, May 2020
- Attended webinar on “E Learning skills Enhancement ” organized by University of Technology, Rajasthan
- Attended webinar and quiz on “COVID-19 Quiz contest ” organized by Regional college of Pharmacy Jaipur on 13/05/2020
- Attended webinar on “Research Skill Enhancement ” organized by University of Technology, Rajasthan on 13/05/2020
- Attended webinar on “Webinar series on satellite automation” organized by IEEE Bangalore section from 11/05/2020 to 13/05/2020
- Attended webinar on “Contemporary tools and techniques for teachers and researchers in higher education” organized by Cambridge institute of technology on 9/5/2020
- Attended webinar on “Virtual yoga, building resilience in body and mind” organized by IEEE Bangalore section on 28/04/2020
- Attended webinar on “NI LabVIEW Introduction” organized by Analog brains, Bangalore on 27/4/2020
- Attended webinar on “How to conduct online class to students” organized by Atal incubation Centre, PEC, Pondicherry on 8/4/2020
- Five day FDP on “Artificial intelligence – MLT & Deep learning using LabVIEW” organized by Dayananda Sagar Academy of Technology and Management, Bangalore from 28th January to 1st February 2020
- Five days training program on “cyber security” conducted by All India Council for Technical Education (ATAL Academy) from 2-12-2019 to 06-12-2019
- Five day FDP on “Graphical programming, data acquisition and hardware programming using NI

Labview” organized by Dayananda Sagar Academy of Technology and Management, Bangalore from 28th June to 2nd July 2019

- Attended 8th ELASIA 2019, An International Exhibition on “Power,Electrical, Controls and Lighting” ,BIEC, Bangalore, 22nd June 2019
- Five day FDP on “Embedded system design, IOT & IOT security protocols” organized by Dayananda Sagar Academy of Technology and Management, Bangalore from 16th to 20th Jan 2019
- 5 days Workshop on “NI LabVIEW myRIO course” organized by Dayananda Sagar Academy of Technology and Management, Bangalore from 13th to 17th October 2018
- Workshop on “IEEE IPR” Workshop 2018” held at VTU Belagavi on 25th August 2018.
- Workshop on “NI LabVIEW data acquisition using myDAQ” organized by Dayananda Sagar Academy of Technology and Management, Bangalore from 26th to 31st July 2018
- Workshop on “Teaching learning process” organized by Dayananda Sagar Academy of Technology and Management, Bangalore from 26th to 28th July 2018
- Workshop on “NI LabVIEW core 1 & core 2 courses” organized by Dayananda Sagar Academy of Technology and Management, Bangalore from 8th to 18th June 2018
- Workshop on “OBE Practices” organized by Dayananda Sagar Academy of Technology and Management, Bangalore from 18th to 20th June 2018
- A Two day Workshop on “Project Management”, Karnataka Science and Technology Academy (KSTA), in association with Project Management Institute of India, Bangalore Chapter, 25 - 26 April, 2018.
- Four day FDP on “ARM CORTEX M3 embedded controllers” organized by Dayananda Sagar Academy of Technology and Management, Bangalore from 8th to 11th Jan 2018
- Workshop on “Three day NBA Workshop 2017” organized by Dayananda Sagar Academy of Technology and Management, Bangalore from 11th to 13th December 2018
- Workshop in “International conference at 9th bangaluru INDIA NANO” organized by DST held on 2 Days) 7th to 8th December 2017
- Workshop on “Building an effective personal brand matrix” conducted by Oracle at DSATM on women’s day 2017.
- Workshop on “Affordable IPR” held at KASSIA Auditorium, Bangalore on March 9 2017.
- One day workshop on “Bhuvan Panchayat Portal on Asset Mapping and Planning” conducted by ISRO Headquarters, Bangalore on 4th Dec, 2015.
- Four days VT-VGST faculty development program on “Big Data Analytics and its Applications” from 22nd – 25th June 2015 at VTU –Mysore.
- Four days campus workshop on “Big Data Analytics and its Applications” conducted by Datalifecycle organized by VTU- Mysuru from 22nd – 25th June 2015.
- Three days workshop on “Research Methodologies” conducted by Anna University which was held from 4th – 6th January 2013.
- Workshop on “Digital Image Processing” held at Karnataka Science and Technology Academy (KSTA), Bangalore on 7th and 8th November, 2013.
- Four days internal audit course on “Quality Management Systems” from 2nd – 5th March 2012 at Symbiosis Consultants.
- One week VTU-VGST workshop on “Data Mining and Warehousing” conducted by T.John Institute of Technology, Bangalore from 21st – 25th Feb 2012.
- FDP on “Entrepreneurship Awareness Camp for Women” held on 13th Feb, 2012 at New Horizon College of Engineering, Bangalore.
- Two days workshop on “Web Technology” held on 10th and 11th February 2012 which was conducted by Arunai College of Engineering.
- One day national program on “Technology Enhanced Learning” organized by National Programme on Technology Enhanced Learning – IIT Madras on 3rd Sep 2010.
- Two days national workshop on “Emerging Applications in Photonics and Information Processing” conducted by Shri Andal Alagar College of Engineering which was held on 16th and 17th July, 2010.
- Two days national level workshop on “Recent Trends in Mobile Communication” which was conducted by Jerusalem College of Engineering held on 19th and 20th November 2009.

- Two days workshop on “Applications of AAN” conducted by Government College of Engineering – Salem on 12th and 13th Feb 2009.
- One day workshop on “Image Processing and Neural Networks” conducted by Karpaga Vinayaga College of Engineering and Technology which was held on 18th August 2008.

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