

## RESUME

**Dr. Nataraj Vijapur**  
#1027, "Kamadhenu", 13<sup>th</sup> Main,  
LBS Nagar, Near DSMAX Stone-scape Apartments,  
Anjanapura 5<sup>th</sup> G Block,  
Bangalore-560108



<b>FULL NAME: Dr. NATARAJ ASHOK VIJAPUR</b>
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### ACADEMIC QUALIFICATIONS:

Education	From	To	Qualification	Specializa tion/ Discipline	Institute / Board / University	% age / CGPA	Division
S.S.L.C	1 <sup>st</sup> June 1994	1 <sup>st</sup> April 1995	School	Kannada Medium	K.S.E.E. Board	81.92%	FCD
P.U.C	1 <sup>st</sup> June 1995	1 <sup>st</sup> June 1997	Pre University	Science	Pre-University Board. Karnataka	77.00%	FC
B.E.	1 <sup>st</sup> Aug 1997	1 <sup>st</sup> Aug 2001	Engineering	Electronics & Communicati on	Karnataka University	71.00%	FCD
M.Tech	1 <sup>st</sup> Aug 2006	1 <sup>st</sup> Aug 2009	Masters in Engineering	VLSI Design & Embedded Systems	Visvesvaraya Technological University	8.68 CGPA	FCD
Ph. D	1 <sup>st</sup> Oct 2010	28 <sup>th</sup> June 2017	Doctorate	Electrical & Electronics (Image Processing &AI, VLSI)	Visvesvaraya Technological University	NA	NA

### TEACHING EXPERIENCE: 24 YEARS

Sl. No	Employer	Positions held during the tenure	Date of joining	Date of leaving
1	RV Institute of Technology and Management, Bangalore	Associate Professor,	23.07.2024	Till now
		In-charge Center of Excellence,		
		Institute Internship Coordinator,		
		Dept NBA Coordinator		
2	RV Institute of Technology and Management, Bangalore	Head of Department	31.12.2023	22.07.2024
		In-charge Associate Professor		
3	RV Institute of Technology and Management, Bangalore	Associate Professor	01.09.2020	31.12.2023
4	KLES Dr M.S.Sheshgiri College of Engineering & Technology, Belagavi	Associate Professor,	01.07.2016	30.06.2020
		PG Coordinator,		
		NBA Coordinator		
5	KLES Dr M.S.Sheshgiri College of Engineering & Technology, Belagavi	Assistant Professor,	01.10.2010	30.06.2016
		NBA Coordinator		
6	KLES Dr M.S.Sheshgiri College of Engineering & Technology, Belagavi	Lecturer to Assistant Professor	23-03-2004	30.09.2010
7	KLS Vasant Rao Potdar Polytechnic	Lecturer	20-01-2003	22-03-2004

<b>Recognized VTU Research Supervisor - Ph D students Awarded -01 In Progress-01</b>
<b>M.Tech Projects-15, UG Projects-50</b>

### **Patents-4, Funded Projects-1**

- Dr.Nataraj Vijapur as a **Co-Principal Investigator**, has completed on VGST funded project titled “**Video Quality Enhancement Using Optical flow And Automated Subparametric Finite Element method**” Amount 3 Lakhs.
- Dr.Nataraj Vijapur et.al,” **AI based Smart Cradle for Infant**” Indian Design Patent, Design Number: 479358-001, submitted on 06/11/2025(Granted on 09/03/2026)
- Dr. Nataraj V Dr. S. Satyanarayana Reddy Dr. Venugopal B T Nagesh M, **UV-VISIBLE SPECTROPHOTOMETER**, Indian Design Patent, Application Number: 444284-001, Submitted on 15/01/2025 (Granted on 26.03.2025).

- C. Solaimuthu, **Nataraj Vijapur**, S V Prakash, Priyaranjan Sharma, Deepa R Bhangi, Prabhakar Manage, Bhargavi Vijendra Sangam, Gujanatti Rudrappa  
“**IOT and Solar based Charging Station for Electric Vehicle**”, Indian Design Patent, Application Number: 451161-001, Submitted on 11.03.2025 (Granted on 19.06.2025).
- Dr. Mangala Gowri S G.,Dr. G. Shashibhushan Dr.Sharan Kumar Nataraj Vijapur Dr Pradeep Kumar N S .K Revathi Suhas S K, Girish H., **MACHINE LEARNING-BASED ELECTROENCEPHALOGRAM BRAIN-SCANNING APPARATUS**, Indian Design Patent, Application Number: 431725-001, Submitted on 26/09/2025 (Granted on 19.11.2024).
- Dr. Girish H, Dr. Mangala Gowri S G, Nutakki Ramesh, Dr. Santosh Dattatray Bhopale, Dr.Nataraj, **System and method for FPGA based processing**, Indian Patent, Application Number: 202241070463A, Submitted on 06.12.2022 (Published on 30.12.2022).

### Research Publication Summary:

Q1 Journal	02
Q2 Journal	02
Q3 Journal	06
Q4 Journal	10
Indexed and International Peer reviewed Journal Publications	33
International Conference Publications	22
National Conference Publications	05

1. Rudrappa G, Nataraj Vijapur, “Cloud classification and cloud cover estimation using hybrid deep Kronecker network- ResNeXt” Engineering Applications of Artificial Intelligence, Volume 156, Part B, 15 September 2025. (Scopus, Q1, Impact Factor 8.0) <https://doi.org/10.1016/j.engappai.2025.111254>
2. Rudrappa G, Nataraj Vijapur, “DRN-DSA: A Hybrid Deep Learning Network Model for Precipitation Nowcasting using Time Series Data”, Knowledge-Based Systems, Vol 306, ISSN 0950-7051, Dec 2024, (Scopus, Q1, Impact Factor 7.2) <https://doi.org/10.1016/j.knosys.2024.112679>
3. Gujanatti Rudrappa, Nataraj Vijapur, "Levenberg-Marquardt-optimized neural network for rainfall forecasting" IAES International Journal of Artificial Intelligence (IJ-AI), Vol. 14, No. 1, , pp. 182-192, Feb. 2025, ISSN: 2252-8938, doi: 10.11591/ijai.v14.i1.pp182-192 (Scopus, Q2)
4. Rudrappa G, Nataraj Vijapur, “Survey on the research of various machine learning and deep learning techniques for precipitation forecasting”, International Journal of Industrial and Systems Engineering, Inderscience Publishers, Vol.52 No.2, pp.190 – 211, February 2026, DOI <https://dx.doi.org/10.1504/IJISE.2026.151667> (Scopus, Q3)
5. Dr. Mangala Gowri S.G.,Dr. Nataraj Vijapur,Dr. Girish H.,Dr. Pavithra G., Dr. T. C. Manjunath,“Design of a Smart wheelchair for disabled (handicapped) personnels using the Industrial Internet of Things (IIoT) approach”, Tuijin Jishu/Journal of Propulsion Technology, Vol. 44, Issue 4, pp. 4935-4951, Nov 2023-(Scopus, Q3)

<https://www.propulsionsjournal.com/index.php/journal/article/view/1833>

6. Dr. Mangala Gowri S.G., Dr. Nataraj Vijapur, Dr. Sunitha R., Dr. Pavithra G., Dr. T.C. Manjunath, "Design & development of an user identification authentication system using radio frequency identification (RFID) technology for long range communication scenarios", Tuijin Jishu/Journal of Propulsion Technology, Vol. 44, Issue 4, pp. 4952-4963, Nov 2023 (Scopus, Q3)  
<https://www.propulsionsjournal.com/index.php/journal/article/view/1834>
7. Dr. Mangala Gowri S.G., Dr. Nataraj Vijapur, Spoorthi S.P., Dr. Pavithra G., Dr. T.C. Manjunath, "Terahertz Technology with AI-Powered Expert-System for Ensuring Hardware Security & the Reliability in Monolithic and Bilithic VLSI Chips for Bio-Medical Image Processing Applications", Tuijin Jishu/Journal of Propulsion Technology, Vol. 44, Issue 4, pp. 5045-5055, Nov 2023. (Scopus, Q3)  
<https://www.propulsionsjournal.com/index.php/journal/article/view/1841>
8. Jayanthi Pavan Sathvik, Ankit Param, Greeshma Bharath, Uma Guruprasad, Nataraj A. Vijapur "Embedded Smart Shoes for The Visually Impaired", Indiana Journal of Multidisciplinary Research, Volume-04, Issue-03, pp 1 -5, Aug 2024
9. Deepthi G, Harshitha J k, Mohan k, Girisha N, Nataraj V, "Fruit Disease Prediction Using Deep Learning Algorithm-Survey Paper", TIJER-International Research Journal, Volume 10, Issue 7, pp. 136-139, July 2023.
10. Kosuru Satya Kumar, Vishweshwar Parameshwar Bhat, Yogitha K, Ram Abhinav Vedant Madabushi, Nataraj V, "IoT and AI based Smart Helmet for Miners", TIJER-International Research Journal", Volume 10, Issue 7, pp. 320-323, July 2023.
11. Girish H, Ramesh N, Managala Gouri, Nataraj V, "IOT based plant monitoring system and smart irrigation using new features", Res militaris-open access European Journal, Vol 13, No 2, pp 6213-6219, Jan 2023. Scopus- Q3
12. Nataraj A Vijapur, Rudrappa G, "Pixel Saturation Applied for Cloud Cover Estimation in Ground based All Sky Images", Journal of Pharmaceutical Negative Results, Vol 13, Special issue 3, pp 166-172, Sept 2022. DOI: 10.47750/pnr.2022.13.S03.029 Scopus- Q4
13. Nataraj A Vijapur, Moin I Gorikhan, "ECU To ECU Communication in Automotive Grade Processors and Security of Messages Exchanged", Journal of Pharmaceutical Negative Results, Vol 13, Special issue 3, pp 166-172, Sept 2022. DOI: 10.47750/pnr.2022.13.S03.028 Scopus- Q4
14. Sanjay A V, Sujana S, Sumukh Sharma, Vajramanasa Palguna H V, Nataraj V, Vikash Kumar, "A Comparative Study on Machine Learning Based Power Estimation Techniques in VLSI Design", International Conference on Digital Technology and Engineering (ICDTE-2025), RV institute of Technology and Management, Bangalore, 16th-17th Oct 2025.
15. Arunima Mehta, Pranav N Athreya, Nataraj Vijapur, Vineela K, Sahana S, "Leaf-Disease Detection Using Computer-Vision", International Conference on Digital Technology and Engineering (ICDTE-2025), RV institute of Technology and Management, Bangalore, 16th-17th Oct 2025.
16. Charan Teja, Bharat G, Dhanush, Vikash Kumar, Nataraj V, "Advanced Design and performance analysis of 64 bit 6T SRAM", International Conference on Digital Technology and Engineering (ICDTE-2025), RV institute of Technology and Management, Bangalore, 16th-17th Oct 2025.

17. Nataraj V., T. V. Smitha, A. T, A. S. Manek, "A versatile cubic-curved triangle mesh generator using subparametric transformation for FEM and image processing applications,"IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), 2022, pp. 1-5, doi: 10.1109/CONECCT55679.2022.9865775.
18. Deepthi G, Harshitha J k, Mohan k, Girisha N, Nataraj V, "Fruit Disease Prediction Using Deep Learning Algorithm-Survey Paper", TIJER-International Research Journal, Volume 10, Issue 7, pp. 136-139, July 2023.
19. Kosuru Satya Kumar, Vishweshwar Parameshwar Bhat, Yogitha K, Ram Abhinav Vedant Madabushi,Nataraj V," IoT and AI based Smart Helmet for Miners", TIJER-International Research Journal", Volume 10, Issue 7, pp. 320-323, July 2023.
20. Nataraj V, Sushant M, Rudrappa G," GoogLeNet Application towards Gesture recognition for ASL Character recognition", IEEE International Conference on Distributed Computing, Electrical circuits, and Electronics (ICDCECE-2022) organized by IEEE Section and IEEE information Society on 23rd-24th Apr 2022 at Bellary institute of Technology and Management, Bellary, India.
21. Smitha TV, Nataraj V, Aishwarya T," A simple and flexible higher-order 2D triangular mesh generator with MATLAB", IEEE Proceedings of International Conference on Advanced Technologies in Chemical, Construction and Mechanical Sciences, 24-25 March 2022.
22. Nataraj Vijapur, Lokesh Paradeshi " Thermodynamic analysis of direct expansion solar assisted heat pumps using adoptive neuron fuzzy interface" accepted for presentation in the International Conference on Thermal Analysis and Energy Systems Dec 23-25,2021.
23. Nataraj Vijapur, Rudrappa Gujanatti, "Machine Learning Models Applied for Rainfall Prediction" An Open Access International Journal REVISTA GEINTEC-GESTAO INOVACAO E TECNOLOGIAS (Management, Innovation and Technologies), Vol. 11, No. 3, pp179-187, Aug 2021.
24. Nataraj Vijapur, Rudrappa Gujanatti "Cloud Classification Using Ground Based Images Using CBIR and K-Means Clustering"An Open Access International Journal on Bioscience Biotechnology Research Communications, Vol 13, pp 95-99, Apr 2021
25. Nataraj Vijapur, Sachin Dodabangi, "A Review on Brain Tumor Detection Using Multi Modal Image Fusion Techniques", AICTE Sponsored International Conference on Recent Trends in Computers, Electronics and Electrical Engineering (ICCEEE2020) Hyderabad, India, Aug 24-26, 2020.
26. Nataraj Vijapur, Gujanatti Rudrappa, paper titled "Cloud Classification Using k-means clustering and Content Based Image Retrieval Technique" 9th International Conference on Communication and Signal Processing, Adhiparasakthi Engineering College, Melmaruvathur, Kanchipuram, Tamilnadu, India, 28-30 July 2020.
27. Nataraj Vijapur, Sachin Dodabangi, "A Review on Brain Tumor Detection Using Multi Modal Image Fusion Techniques" International Journal of Grid and Distributed Computing,vol 13, issue 2, pp 792–799, Nov 2020
28. Nataraj A Vijapur, R. Srinivasa Rao Kunte, "Sensitized Glaucoma Detection by Using a Unique Template Based Correlation Filter and Undecimated Isotropic Wavelet Transform," Journal of Medical and Biological Engineering (JMBE), Springer, an SCI and EI journal, Volume 37, [Issue 3](#), pp 365–373, June 2017. <https://doi.org/10.1007/s40846-017-0234-4>. Scopus- Q3

29. Nataraj Vijapur, R. Srinivasa Rao Kunte, "Efficient Machine Learning Techniques to Detect Glaucoma using Structure and Texture based Features", International Journal of Recent Technology and Engineering (IJRTE), Volume-9 Issue-2, Page No.:193-201, July 2020.
30. Rudrappa B Gujanatti and Nataraj Vijapur, Published a paper entitled "Intelligent Methods Used for Obtaining Weather Derivatives: A Review" in Engineering and Applied Sciences, Volume 4, Issue Number 6, December 2019.
31. Nataraj A Vijapur, Keerti Kerur, "Design, Development and Testing of Traction Motor Speed Sensor used in Indian Railway Locomotives", International Journal of Computer Applications, Volume 182, Number 8, 2018 published by Foundation of Computer Science (FCS), NY, USA, <https://doi:10.5120/ijca2018917627>.
32. Dr. Nataraj Vijapur, Vijay Rayar and Akshata budi presented and published a paper titled "Glaucoma Detection Using Cup To Disc Ratio" at National level Conference on "Recent Advancements in Electronics & Communication Engineering (RAIEC-2018)" held at KLECET Chikodi during 9th & 10th March 2018.
33. Gourang D. Naik, Nataraj Vijapur, R. Srinivasa Rao Kunte, "Glaucoma Detection Using Digital Signal Processor", International Journal of Engineering and Future Technology, Issue No. 9, Volume 9, 2016, ISSN 2455-6432
34. Nataraj Vijapur, Hitesh Shirke, R. Srinivasa Rao Kunte, "FPGA Implementation of Glaucoma Detection using Neural networks", International Research Journal of Engineering and Technology (IRJET), Volume 4, Issue 10, Pg.No.591 to 596, Oct- 2017, Impact Factor 5.18, e-ISSN:2395-0056, p-ISSN:2395-0072
35. Nataraj A Vijapur, R. Srinivasa Rao Kunte, "Improved Efficiency of Glaucoma Detection by using Wavelet Filters, Prediction and Segmentation Method," International Journal of Electronics, Electrical and Computational System, IJEECS, Academic Science, Volume 3, Issue 8, pp. 1-13, Oct 2014.
36. Nataraj A Vijapur, R. Srinivasa Rao Kunte, "An approach for detection of Primary Open Angle Glaucoma," International Journal of Advanced Research in Engineering and Technology, IJARET, Volume 4, Issue 6, pp. 185-194, Oct 2013.
37. Nataraj A Vijapur, R. Srinivasa Rao Kunte, "Towards Extraction of Optic Cup and Disc and Classification of Normal and Glaucomatous Eye Fundus Images," AE International Journal of Science and Technology, AEIJST, Volume 2, Issue 8, pp. 1-12, August 2014.
38. Nataraj A Vijapur, R. Srinivasa Rao Kunte, "Survey of different techniques for Glaucoma Detection and approach for Glaucoma detection using Reconfigurable processor," International Journal of Emerging Technology in Computer Science & Electronics, IJETCSE, ISSN: 0976 – 1353, Volume 14, Issue 2, pp. 79-83, 2015.
39. Nataraj A Vijapur, Mahantesh Shebagond, "Embedded Robust controller for CNC machine," International Journal for Research in Emerging Science and Technology, IJREST, Vol. No.2, Issue No.5, 2015
40. Nataraj A Vijapur, "Motion control of Servo motor using current controlled PWM," International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE), Volume 2, Issue 5, 2015.
41. Nataraj A Vijapur, R. Srinivasa Rao Kunte, "Complimentary method of detection of Glaucoma based on ROI Pre-Processing and Vessel segmentation," International Conference on Recent Trends in Communication and Computer Networks-ComNet-2013, Elsevier Proc., 2013, pp. 245 to 249.

--- Also, this paper has been published as a Book series in *Advances in Engineering and Technology series*, 2013, Volume 7, pp. 245 to 249, published by Institute of Doctors Engineers and Scientists.

42. Nataraj A Vijapur, R. Srinivasa Rao Kunte, "Glaucoma Detection by Using Pearson-R Correlation Filter," Proc., 4<sup>th</sup> IEEE International Conference on communication and Signal Processing, Melmaruvathur, Tamilnadu, India., IEEE Xplore®, pp.1194-1198, April 2015.
43. Nataraj A Vijapur, R. Srinivasa Rao Kunte, "Survey of different techniques for Glaucoma Detection and approach for Glaucoma detection using Reconfigurable processor," International Conference on Emerging Trends in Engineering Sciences (ICETES), Jain Engineering College, Belgaum, Karnataka, April 2015.
44. Nataraj Vijapur, Manisha Kaneri, "Heads Up Display", International Journal of Advanced Research in Engineering, Science & Technology, e-ISSN: 2393-9877, p-ISSN: 2394-2444, Volume 3, Issue 7, pp 1 -5, July-2016
45. Nataraj A Vijapur, Hansraj Guhilot, "Implementation Of CMOS Preprocessor For Bio Sensing Using Temperature Compensated Op-Amp & Active Resistors " International Journal of Computer Applications in Technology & sciences, 2009.
46. Nataraj A Vijapur, Hansraj Guhilot, "Embedded Bio-tech System for Chloroplast Measurement," International Conference on Systemics, Cybermatics & Informatics, ICSCI-2005,Hyderabad,India
47. Nataraj A Vijapur, Hansraj Guhilot, "Advanced Bio-tech system for leaf area Measurement & Grading," International Conference on Resource Utilization & Intelligent Systems, 2006, Perundurai, Kerala,India
48. Nataraj A Vijapur, Hansraj Guhilot, "Bio-tech System for Leaf Defoliation Analysis and Grading using a DSP Processor," International Conference on Systemics, Cybermatics & Informatics, ICSCI-2006, Jan 04-08, Volume 1, pp 813-817, Hyderabad,
49. Nataraj A Vijapur, Hansraj Guhilot, "Efficient Implementation of Fiduccia-Mattheyses algorithm for VLSI Net-list partitioning" in First International Conference on Emerging Technologies and Applications in Engineering, Technology and Sciences, Jan 13-14, 2008, Rajkot
50. Ms. Pooja Akulwar, Nataraj Vijapur a paper titled "Secured Multi Modal Biometric Systems: A Review", 3rd International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2019). Proceedings will be published in IEEE Explor®. (Scopus).
51. Nataraj V, "IOT and Embedded Based Smart Baby Cradle", IEEE International Conference on the Confluence of Advancements in Robotics, Vision and Interdisciplinary Technology Management IC-RVITM'23 held in RV Institute of Technology and Management from 28/11/2023 to 29/11/2023, Sponsored by IEEE Bangalore chapter (Scopus Indexed).
52. Nataraj V, "High speed Low Power CMOS flash ADC Architecture", National Conference on Electronics & Communication Engineering (NCEC-24), DSCE, Bangalore
53. Deepthi G, Harshitha J k, Mohan k, Girisha N, Nataraj V, "Fruit Disease Prediction Using Deep Learning Algorithm-Survey Paper", 2<sup>nd</sup> National Conf. of Digital Technology in Engineering (NCDTE), RVITM,Bengaluru, India, 2023
54. Kosuru Satya Kumar, Vishweshwar Parameshwar Bhat, Yogitha K, Ram Abhinav Vedant Madabushi, Nataraj V, "IoT and AI based Smart Helmet for Miners", 2<sup>nd</sup> National Conf. of Digital Technology in Engineering (NCDTE), RVITM,Bengaluru, India, 2023
55. Jayanthi Pavan Sathvik, Ankit Param, Greeshma Bharath, Uma Guruprasad,

Nataraj A Vijapur, “Embedded Smart Shoes for the Visually Impaired”, 2nd National Conf. of Digital Technology in Engineering (NCDTE), RVITM, Bengaluru, India, 2024.

56. Nataraj V, Varun Achar et al.,” Computational analysis of Geo satellite communication performance”, 3<sup>rd</sup> International Conference on intelligent and sustainable power and energy systems (ICISPES-2025), organized by Dayanand Sagar college of Engineering , Bangalore, India 18th-19th Dec, 2025
57. Nataraj V, Sumukh sharma et al.,” Machine Learning-Based Early-Stage Power Estimation for VLSI Design Using Netlist Analysis”, International Conference on Emerging Research in Smart Electronics and Machine Learning, organized by AIT Chikamangaluru, 9th-10th April, 2026

**Books/Reports/Chapters/General articles etc.**

S.No	Title	Author’s Name	Publisher	Year of Publication
1	Efficient Computer-Aided Techniques to Detect Glaucoma	Nataraj Vijapur R. Srinivasarao Kunte	Intechopen Scopus Indexed	2020
2	Advances in Engineering and Technology series	Nataraj Vijapur R. Srinivasarao Kunte	Institute of Doctors Engineers and Scientists	2013

**Number of FDPS/Workshops/conferences/seminars attended: 65**

Google Scholar Citation as on 27.02.2026

<https://scholar.google.com/citations?user=9ZGGyKYAAAAJ&hl=en>

	All	Since 2021
<b>Citations</b>	<b>244</b>	<b>208</b>
<b>h-index</b>	<b>8</b>	<b>8</b>
<b>i10-index</b>	<b>6</b>	<b>4</b>

**LinkedIn Profile:** <https://www.linkedin.com/in/nataraj-vijapur-1709931a/>

**ORCID ID:** <https://orcid.org/0000-0002-5303-4760>

**Scopus ID:** 57189248204

**Editorial Board Member/Reviewer of Journals/Resource Person/Guest Lectures/Session Chairs:**

- Delivered a Guest Lecture on "AI/ML Techniques for precipitation forecasting" in the One-week online Faculty Development Program on " AI Driven Image Intelligence: Advances in Learning and Processing Techniques" organized by IIT Guwahati in association with RV Institute of Technology and Management, Bangalore on 8th Sept-12th Sept 2025
- Delivered a Guest Lecture on ""AI/ML Techniques for precipitation forecasting" " in the One-week online Faculty Development Program on " AI Driven Image Intelligence: Advances in Learning and Processing Techniques" organized by IIT Guwahati in association with G H Raison College of Engineering and Technology, Bangalore on 8th Dec-12th Dec 2025 on 8th Dec-12th Dec 2025
- Visited as a VTU LIC Member to colleges
- Currently BOS Member as assigned by VTU to SDM Engg college, Dharwad
- Reviewer for Q1 Journal-Information Processing in Agriculture-Scopus and SCI Indexed Elsevier Journal
- Reviewer for Q1 Journal-Neuro Science Informatics-Scopus and SCI Indexed Elsevier Journal
- Reviewer for Advanced Research in Applied Sciences and Engineering Technologies
- Journal of Umm Al-Qura University for Engineering and Architecture Springer Nature
- Reviewer for Indonesian Journal of Electrical Engineering
- Reviewer for 2023 IEEE International Conference On Distributed Computing, Vlsi, Electrical Circuits And Robotics (2023 IEEE DISCOVER) OCTOBER 13 - 14, 2023, IEEE Mangalore Section
- Reviewer for 2024 Fourth IEEE International Conference on "Multimedia Processing, Communications and Information Technology"
- Reviewer for 8th IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics
- Reviewer for 2024 IEEE TEMS Conference Asia Pacific (TEMSCON ASPAC 2024) IEEE International Conference on the Confluence of Advancements in Robotics, Vision and Interdisciplinary Technology Management IC-RVITM'23, organised by Dept of ECE, RVITM, Bengaluru.
- Reviewer for IEEE- International Conference on Evolutionary algorithms and soft computing techniques -2023 organised by Dept of CSE,RVITM,Bengaluru.
- Reviewer IEEE Nkon 2023- Flagship International Conference of IEEE North Karnataka Section in association with IEEE Bangalore section hosted by KLE Technological University, Dr M S Sheshgiri Campus, on 19th and 20th Nov 2023.
- **REVIEWER** for 6th IEEE International Conference Distributed Computing, VLSI, Electrical Circuits and Robotics (2022 IEEE DISCOVER). organized by IEEE Mangalore Subsection in association with IEEE Bangalore Section and hosted at JNN College of Engineering, Shimoga during 14-15, October 2022.
- **Reviewer** for a Paper Presentation Conference in the National Conference on Digital Technology held at RV Institute of Technology and Management on 28th and 29th April 2023.-4 Papers
- Reviewed papers from the **Indian Journal of Science & Technology**

- Reviewed papers from **SPRINGER JOURNAL- JOURNAL OF BIG DATA**
- Editorial Board Member of **Machine Learning Research -Science Publishing Group**, Rockefeller Plaza, New York, NY 10020,U.S.A.
- Invited to deliver **Short Term Training Program (STTP)** on “**Modelling Biomedical systems using Neural Networks** ” held on 1<sup>st</sup>-6<sup>th</sup> Jan 2019, in *KLE Dr. M. S. Sheshgiri College of Engg., & Tech., Karnataka*
- Invited to review papers in **Elsevier Journal of Information Processing in Agriculture**, Elsevier B.V., Radarweg 29, 1043 NX Amsterdam, The Netherlands
- Invited to deliver LIVE lectures **throughout Karnataka** on Analog Electronics Circuits in **Visvesvaraya Technological University- EDUSAT** Program.
- Invited to review papers in The **International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences (IJIRMPS)**, Vejalpur, Ahmedabad, Gujarat, India.
- Invited as a Chair Person in “National Conference on Skill Development and Entrepreneurship held on 27<sup>th</sup> and 28<sup>th</sup> of April 2018
- Invited as a Jury member in “HSIT Quest 2018” for a technical paper presentation contest held at HIT, Nidasoshi
- Visited C.B.Kore Polytechnic., Chikodi, Karnataka as a Guest lecturer on Analog & Digital communication”.
- Dr. Nataraj V, ECE Dept, RVITM delivered a lecture on “**Avenues for VLSI and Inter-Disciplinary research**” FDP conducted by ECE Dept of RVITM from 27th Feb 2023 to 3rd March 2023.
- Invited to deliver a session on “Harmony in Self” in UHV Induction Program held at RVITM, Bangalore on 01<sup>st</sup> Dec 2022

### Coursera Certification

1. Neural Networks and Deep Learning
2. Structuring Machine Learning Projects
3. Improving Deep Neural Networks: Hyper-parameter tuning, Regularization and Optimization

### Academic Initiatives

1. Organized Faculty Development Program AI Driven Image Intelligence-Advances in Processing and Learning Techniques” in association with IIT Guwahati, from 8<sup>th</sup>-12<sup>th</sup> sept 2025, at RVITM Bangalore
2. Convener for Robofiesta National level Tech fest 2024 on 3rd and 4th Dec 2024. Totally 21 Engineering Colleges have participated in the event. Total 321 team participants led to about 700 participants. Colleges NIT pudicherry, RVCE, BMS, PESU, JNNCE Shivamogga and other colleges of Bangalore participated in the event.
3. Convener for Inter-Institute Hackathon on 16th-17th Nov 2024. Totally 24 teams comprising of RVCE, Bangalore, BMSIT Bangalore , SDMIT Ujire, KIT Tipatur and RVITM, Bangalore participated.
4. Convener for Intercollege Techfest “**Robofiesta-2022**” held on 21st and 22nd Dec 2022. 18 events comprising of 3 Guest lectures and Coding competitions were conducted. More than 500 students including students from other engineering colleges participated in Techfest
5. Organized a Faculty Development Program on **VLSI IC Design and Avenues of Interdisciplinary Research** from **27<sup>th</sup> Feb 2023 to 3<sup>rd</sup> March** 2023. People from premier

Academic institutions and Industries were invited as resource persons. 22 participants comprising of Faculties from neighbouring engineering colleges and In-house faculty members attended the program

6. Conducted " Arduino and C programming workshop" for first year students through Phoenix Robotics Club on 25th Oct 2023.
7. Conducted "Project Expo-2023" for 1st year and 3rd year students through Phoenix Robotics Club on 25th Nov 2023.
8. Involved as a Technical Committee Chair and Reviewer in IEEE International Conference on The Confluence of Advancements in Robotics, Vision and Interdisciplinary Technology Management IC-RVITM'23, held on 28th & 29th November 2023 at RV Institute of Technology and Management campus in Bengaluru, Karnataka, Bharat.
9. Currently involved as a Faculty coordinator for **Techfest** Resonance-2023 from Phoenix Robotics Club, to be held on 13<sup>th</sup> and 14<sup>th</sup> Dec 2023.
10. Involved as a main organizer for **e-Nova“ Students Paper Presentation Contest”- 2004, 2005 & 2007”** in K.L.E.C.E.T., Belgaum
11. Developed **College Brochure** during year 2005 & 2006
12. Involved as a Editor & Compiler for college Magazine **Pulse-2006**.
13. Involved As A **Convener For National Level Technical Symposium E-Nova 2009,2012,2013**
14. Editor for **department newsletter and brochure** for academic years 2014-15, 2015-16, 2016-17
15. Convener of **National level students’ symposium e-Renatus’17**.
16. Convener for Short Term Training Program on **Artificial Intelligence and Medical Image Processing- 2018** Conducted at KLE Dr. M.S.S.C.E.T., Belagavi
17. Session chair for Paper Presentation Conference in International Conference on Advances in Engineering and Technology for intelligent systems held on 18/05/2023 at Dayanand Sagar College of Engineering, Bangalore
18. Session Chair for a Paper Presentation Conference in National Conference on Digital Technology held at RV Institute of Technology and Management on 28th and 29th April 2023.
19. Session Chair for 6th IEEE International Conference Distributed Computing, VLSI, Electrical Circuits and Robotics (2022 IEEE DISCOVER). organized by IEEE Mangalore Subsection in association with IEEE Bangalore Section and hosted at JNN College of Engineering, Shimoga during 14-15, October 2022
20. Dr Nataraj V involved as a session chair for EASCT-2023 conference on 20th & 21st, October, 2023. EASCT-2023-International Conference on Evolutionary algorithms and soft computing techniques -2023 organised by Dept of CSE,RVITM,Bengaluru.
21. Dr Nataraj V involved as a session chair IEEE International Conference on the Confluence of Advancements in Robotics, Vision and Interdisciplinary Technology Management IC-RVITM'23, organised by Dept of ECE, RVITM, Bengaluru.
22. Dr Nataraj V involved as a session chair IEEE Nkon 2023- Flagship International Conference of IEEE North Karnataka Section in association with IEEE Bangalore section hosted by KLE Technological University, Dr M S Sheshgiri Campus, on 19th and 20th Nov 2023.
23. Dr Nataraj V involved as a session chair ICDTE 2025- International Conference on Digital Technology and Engineering organized by RV Institute of Technology and Management, Bangalore on 16<sup>th</sup>-17<sup>th</sup> Oct 2025.

### Subjects Handled:

<b>U.G.(Engineering)</b>	<b>P. G. Subjects (M. Tech)</b>
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Basic Electronics	Operating Systems	Advances in VLSI Design
Analog Electronics	Embedded system design	CMOS VLSI Design
Power Electronics	Digital communication	Digital VLSI Design
Linear Integrated Circuits	Micro-Electronics	Design of Analog and Mixed Mode VLSI
Electronics Devices	Electronics Circuits	Micro-Electronics
Communication Systems	Universal Human Values	Advanced VLSI Design
Principles of Communication Systems	Microcontrollers	Introduction to Electronics
Universal Human Values	Microwaves and Antenna	Analog Circuits

### **Personal Details**

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