

# CURRICULUM VITAE

## Dr. Manjunatha Prasad.R

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**Total Teaching Experience: 31 years (Administrative Experience of 19 years as HOD & Dean)**

Currently, at R.V Institute of Technology & Management, Bangalore as *Vice Principal & HoD of Electronics and Communication Engineering (R.V.Institutions)*

### Objectives:

- To be loyal & dedicated to create a successful safe & conducive learning environment where all stake holders have an integral part to the process
- To deploy faculty & student centric programs, which elevates the academic standards.
- Establishing a strong industry academia partnership with focus on students led initiatives on innovations

**Summary:** Confident & energetic leader with focus on success for students, mindful of all stake holders & continual focus on best practices with strong listening & communication skills

<b>Date of Birth</b>	25-03-1972 (Aged 54 years)		
<b>Qualifications</b>	B.E (E&C), M.E (Digital Electronics-E&C), Ph.D.(E&C)		
<b>Total Teaching Experience</b>	<b>31 Years</b> (out of which, <b>Administrative experience: 19 Years as HOD/Dean</b> )		
	<b>Experience at Kalpataru Institute of Technology, Tiptur</b>		<b>7.0 yrs</b>
	Lecturer	07-03-1994	23-4-2001
	<b>Experience at K.S.I.T, Bangalore</b>		<b>10.0 yrs</b>
	Lecturer	24-4-2001	28-02-2003
	Sr.Lecturer	01-03-2003	30-06-2005
	Asst.Professor & HOD	01-07-2005	24-07-2011
	<b>Experience at Dayananda Sagar College of Engineering, Bangalore</b>		<b>0.7 yrs</b>
	Asst. Professor	25-07-2011	17-02-2012
	<b>Experience at Dayananda Sagar Academy of Technology &amp; Management, Bangalore</b>		<b>12.7 yrs</b>
	Associate Professor & Head	18-02-2012	30-09-2012
	<b>Professor &amp; Head/Dean-Student Affairs</b>	01-10-2012	19-7-2024 (11.9 years)
	<b>At R.V. Institute of Technology &amp; Management (RVITM), Bangalore</b>		
	<b>Vice Principal &amp; HOD-ECE</b>	22-7-2024	Till date
	<b>TOTAL</b>		<b>31 Years</b>

<b>Qualification</b>	<b>Degree</b>	<b>Branch/Specialization</b>	<b>Institution</b>	<b>Year of Passing</b>	<b>University</b>
	PhD	E&C / Image Processing	M.C.E Hassan	2012	V.T.U, Belgaum
	M.E	Digital Electronics	B.V.B.C.E, Hubli	1998	Karnataka University
	B.E	E&C	K.I.T.Tiptur	1994	Bangalore University
<b>Area of Research</b>	Image Processing/ <b>Ph.D. Thesis:</b> “Design and analysis of Robust Invisible Wavelet- based digital image watermarking scheme for Copyright protection”/ <b>Supervisor:</b> Dr.Shivaprakash Koliwad, MCE,Hassan				
<b>Ph.D. Supervisor</b>	02 candidates (under VTU)				
<b>Membership of Professional bodies</b>	ISTE, IETE & Society for Information Display (SID)				
<b>Patent Published</b>	09	<b>Indian Patents:</b> Granted- 04, Published-02, <b>Australian:</b> Granted-02, <b>UK:</b> Granted-01			
<b>Publications</b>	29 (Citations:117, h-index:6, i-index:5), 10 are Scopus indexed				
<b>Book Authored</b>	01				
<b>Funded Project Proposals</b>	02 Submitted (VGST/SERB), 01 Granted(VGST)				
<b>Award</b>	Best Paper Award during International Conference on Emerging Trends in Engineering and Technology,organized by IFERP				
<b>Departmental achievements</b>					
<ul style="list-style-type: none"> <li>Established IETE student Chapter</li> <li>Established Centre of Excellence with Banashree Semiconductors</li> <li>Facilitated Certification Programme on “VLSI” from RV-Skills for the students from their second year</li> <li>Signed-up MOUs with SDM medical college &amp;</li> <li>The department had secured 1st<sup>th</sup> Rank in VTU level during 2024-25</li> <li>Chair person, National/international Conferences</li> <li>Reviewer for IET journal &amp; IEEE conferences</li> </ul>					
<b>Contributions at Institution level</b>					
<ul style="list-style-type: none"> <li>International collaboration with Cardiff-MET university, UK under Global-whale partnership funds at RVITM</li> </ul>					
<b>Responsibilities at University level</b>					
<ul style="list-style-type: none"> <li>BOE member, VTU</li> <li>Chairman, Squad team, VTU</li> <li>Chief Superintendent, VTU examinations</li> <li>Deputy Chief Superintendent, VTU examinations</li> <li>BOE member for other universities</li> <li>Member, Doctoral Committee, VTU research center</li> <li>Member, LIC committee, VTU, Belgaum <b>during 2020</b></li> <li>Member, LIC committee, VTU, Belgaum <b>during 2026</b></li> </ul>					

## **Responsibilities as Dean – Student Affairs in earlier institution**

- Imposed Code of conduct and discipline among the students across the institution
- Member convener for “Anti ragging committee” of the institution
- Frequent meetings with the students to understand their problems and grievances.
- Address those with the concerned authorities & expedite the process of addressing the grievances
- Strict monitoring of TLP
- Propose and coordinate any specific events essentially required for the students development ( Life Skill Programmes/ Mental health awareness programmes)
- Organizing Alumni meets & Parent-Teacher meets
- Organizing Cultural events for the students & follow-up of students participation in various events at university/institution level

## **Details of Patents:**

1. Dr.Triпти R Kulkarni, Dr. Vasudeva.G, **Dr.Manjunatha Prasad.R**, Dr.Arun Vikas Singh, Dr.Mandar Jatkar, Dr.Suma Santhosh, “Nanomaterial Characterization & Analysis device”, **Indian Patent**, Design number: 489315-001, (**Granted on 10.03.2026**).
2. **Dr.R.Manjunatha Prasad.R**, Dr. P.J.A.Alphonse, Dr.Solaimutthu.C, Dr.T.N.Srinivasa, “**AI Based device for road condition monitoring in autonomous vehicles**”, **Indian Patent**, Design number: 487533-001, (**Granted on 24.02.2026**).
3. Dr. C. Solaimuthu, **Dr.R.Manjunatha Prasad.R**, Dr. Chetan Venkatesh, Dr.Akhilandeshwari, Dr.Mrunalini, “**AI Based Brain Cancer Detection**”, **Indian Patent**, Design Number: 453592-001, (**Granted on 16.07.2025**).
4. Alphonse, Pappaiah Jesu Antony, **Manjunatha Prasad.R**, C.Solaimuthu, etc., “**A Machine Learning-driven real time patient monitoring & Health risk prediction system**”, **UK patent**, Design Number: G16H50/30, (**Granted on 08.07.2025**).
5. Dr. Triпти Kulkarni, Dr. Manjunatha Prasads.R, Dr.Arun Vikas Singh, Dr.Roopa Kulkarni, Dr. Vasudeva.G, , “**Chemical Mixing for Agriculture Farm**”, **Indian Patent**, Design number: **424804-001** (**Granted on 30.05.2025**).
6. Dr. Solaimuthu Chandrasekaran, **Dr. Manjunatha Prasad Ramaswamy**, Mrs.Namrata Brahamaprakash, Mrs. Pallavi Kandibilla Nagaraja Naidu, Ms. Shilpa Sannamani, Mrs. Chaitra Somappaiah Prasad, Dr. Vinoth Kumar Madhaiyan, Dr.Subramaniaswamy Vairavasundaram, “**AI based Smart Pharmacological Testing Device for Evaluation of Drug Efficacy**”, **Australian Patent**, Design Number: 6437967 (**Granted on 23.04.2025**).
7. Dr. C. Solaimuthu, Dr. S. Mohan, Mr. A. Vijayanarayanan, Mrs. D. Vidhya, Dr. Baskaran Chinnappan, Dr. Alnoman Mundher Tayyeh, Mrs. Saja Sumiea Anaz, Dr A Udhayakumar, **Dr. Manjunatha Prasad R** and Mrs. M. Annal Priyanga, “**Continuous monitoring devices for ECG and automated insulin pumps for diabetes management**”, **Indian Patent**, Application Number: 202541004980, Submitted on 26.01.2025 (**Published on 05.02.2025**).
8. **Dr.Manjunatha Prasad. R**, Dr. Dilip Raju, Dr. Chandrappa Dasanapura Nanjundaiah, Dr. Ravikumar Hodikehosahally Channegowda, Mrs. Gowthami Channarayapatna Nanjappa, Mrs. Shalini Mirle

Gajendra, “**Deep Brain Neurostimulator Device To Treat Patients With Movement Disorders**”, **Australian Patent**, Design Number: 6395409 (Granted on 09.10.2024).

9. **Dr. Manjunatha Prasad.R, Dr. Dilip.R, Mrs Kalpavi.C, “Design and Development of Intelligent System for fasteners sorting using Machine Learning”, Indian Patent**, Application Number: 202241071017, Submitted on 09.12.2022 (**Published on 30.12.2022**).

### **Copyright (Certificate of Registration):**

1. Date of Registration: 08 Sept 2025- Canadian IP office,

**Title: AI DRIVEN FRAME WORK FOR NATURAL LANGUAGE UNDERSTANDING IN MULTILINGUAL CHATBOTS,**

Category: Literary

### **Best practices inculcated for the students:**

- Practicing innovative pedagogy in TLP
- Research Blended projects
- Publishing the results of the student projects in reputed journals/conferences
- Application for the patent of selected students projects
- Encouraging the students for technical contests/Project Exhibition
- Skill enhancement Programs
- Industry conclave
- Alumni mentorship programmes
- Student development programmes
- Faculty expert talks
- Industry visits
- Social connect and responsibility programmes
- Entrepreneurship mentoring programmes

### **Responsibility for Recognitions from NBA/NAAC:**

1. Involved in strategic planning and implementation of the process for NBA accreditation  
*(NBA accredited during 2018 and year 2022 for three years each)*
2. Institution IQAC coordinator and involved in strategic planning and implementation of the process for NAAC accreditation  
*(accomplished NAAC with A+ during the year 2022)*
3. Initiated the process of applying for NBA accreditation at RVITM (first cycle),

### **Responsibility as convener for the conferences in the institution:**

1. Springer- “Internal Conference on Digital Technology & Engineering-2025 (ICDTE-2025)”, 16-17,

## Book Publications:

1. Dr.C.Solaimuthu,Dr.Nagashettappa Biradar, **Dr.R. Manjunatha Prasad**, Dr.Kavitha.N, “**Introduction to Mechatronics**”, ISBN 978-81-987126-0-8 (2025) ,Technical Press

## Research Contributions / Publications:

### International Journal Publications:

1. N. Kavitha, P. Madhumathy, **R. Manjunatha Prasad**, D. N. Chandrappa “**Machine learning technique for breast cancer detection and classification**”, Machine Learning for Computational Science and Engineering , Springer, Apr (2025) 1:16, <https://doi.org/10.1007/s44379-025-00018-y>
2. **Dr.Manjunatha Prasad.R** Vishnu Priya, Rakshitha, Riddhima, Nisarga, “Leveraging ResNet and U-Net Architectures for Image Forgery Detection & Localization: Comprehensive Survey”, IJRASET, ISSN: 2321-9653, Vol 13, Issue: VIII, August 2025
3. **Dr. R Manjunatha Prasad**, Dr.Vasudeva.G, et.al, “**Low noise operational amplifier using current driving bulk by CMOS technology**”, *Vol-30, Issue-2, February 2024, ISSN:1006-6748*, HTL Journal (IF:2.7)
4. **Dr. R Manjunatha Prasad**, Shamashyadabegum, Triveni A, et.al, “**Survey on Non-Invasive Blood group detection using Image Processing**”, *Vol-9, Issue-1, January-April 2023, e-ISSN:2581-8449*, MAT journals 2023
5. **Dr. R Manjunatha Prasad**, Dr.Sumaiya.M.N, Prajwal.K, et.al, “**Comparative analysis of concrete detection using image processing and artificial intelligence**”, *Vol-9, Issue-1, January-April 2023, e-ISSN:2581-3803, Journal of Image processing and artificial intelligence*, MAT journals 2023
6. Roopa B S, **Dr. R Manjunatha Prasad**, “**Novel Techniques on Autism disorder using image classification techniques**”, International Journal of Engineering and Advanced Technology (IJEAT),ISSN: 2148 – 8858, Volume-8 Issue-3, February 2022
7. Roopa B S, **Dr. R Manjunatha Prasad**, “**A Selection of an Optimal Framework Identifying the Prominent Autism Risk Gene Biomarkers from Gene Expression Data Using Neural Network**”, Springer Nature, <https://doi.org/10.1007/s42979-021-00559-y>, (2021) 2:241
8. Roopa B S, **Dr. R Manjunatha Prasad**, “**Identification of Best Fit Learning Models Based on Calibration for Better Classification of Autism**” International Journal of Engineering and Advanced Technology (IJEAT),ISSN: 2249 – 8958, Volume-9 Issue-3, February 2020
9. **Dr. R Manjunatha Prasad**, Roopa B S, “**SVM Classifiers at it Bests in Brain Tumor Detection using MR Images**” International Journal of Trend in Scientific Research and Development (IJTSRD), Volume – 2 , Issue – 5 , Jul-Aug 2018, ISSN NO: 2456-6470, Page no: 2410-2415.
10. Mrs Rashmi V K, **Dr. R. Manjunatha Prasad**, “**Real Time routing in Wireless Sensor Networks**” International Journalof Engineering Trends and Technology (IJETT)-Volume 47 Number 4 May 2017.ISSN:2231-5381.

11. **Manjunatha Prasad.R**, Dr.Shivaprakash Koliwad , “*Performance analysis of Wavelet-based image Watermarking system for improved Robustness*”,Vol. 3, No.2, December 2011, **CiiT International Journal of Digital Image Processing**, ISSN 0974 – 9691.
12. **Manjunatha Prasad.R**, Dr.Shivaprakash Koliwad , “*A Non-Blind invisible wavelet-based watermarking scheme for digital image copyright protection*”, Vol. 1 No. 2 pp. 731-737, July-December 2010, International Journal of Computer Science and Communication.
- 13.**Manjunatha Prasad.R**, Dr.Shivaprakash Koliwad , “*A Comprehensive Survey of Contemporary Researches in Watermarking for Copyright Protection of Digital Images*”, Vol. 9 No. 4 pp. 91-107, April-09, International Journal of Computer Science and Network Security.

### **International Conferences:**

1. **R. Manjunatha Prasad**, Tripti R Kulkarni, Arun Vikas Singh et.al, “**Modelling Subthreshold Leakage in MOSFETS: Supervised Regression with Noise Aware Synthetic Datasets**”, Internal Conference on **Smart trends in computing & Communications**”, Springer book series, 19-21, January 2026, Pune, India
2. **R. Manjunatha Prasad**, Tripti R Kulkarni, Arun Vikas Singh et.al, “**Data-Analysis for Fertilizer Selection and Cost reduction for Smart Farming**”, 10<sup>th</sup> Internal Conference on Smart trends in computing & Communications, Springer book series, 19-21, January 2026, Pune, India
3. **R. Manjunatha Prasad**,et.al, “**Smart Earehouse Logistics: Robotic Navigation with full stack E-commerce platform-Integration**”, Internal Conference on Digital Technology & Engineering-2025”, Springer book series, 16-17,October 2025, Bangalore
4. **Dr. Manjunatha Prasad.R**, “*Crack detection and classification using Deep Learning Models*”, IETE International Conference India(IICI-23) on AI & ML driving 5G & Beyond, Bangalore, India, 2023, on 5th May 2023.
- 5.**B. S. Roopa**, **Dr. Manjunatha Prasad.R**, “*Concatenating framework in ASD analysis towards research progress*”, First International Conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering (ICATIECE), DSATM, Bangalore, India, 2019, pp. 269-271, doi: 10.1109/ICATIECE45860.2019.9063816, IEEE Publisher, indexed in IEEE explorer.
- 6.**Roopa B S**, **Dr. R. Manjunatha Prasad**, “*FPGA Based Hardback Conceptualization for Pothole Detection*”, International conference to be held on 5th to 7th Jan 2017 at Bangalore, ICCTEST – 2017 Conference Proceedings Grenze Scientific Society, Page No 65-69, ISBN: 978-81-931119-5-6.
- 7.**Dr. Nagaraj Nandeesh**, Kiranmayee Janardhan, **Dr.R.Manjunatha Prasad**, “*Dermatotraction – The new and best way for wound closure*”, International conference on Emerging trends in Engineering and Technology at Bangalore, on April 26, 2015.
8. **Manjunatha Prasad.R** , Dr.Shivaprakash Koliwad, Ujwala B.S,Chetan.K.R “ *DCT based efficient Non-Linear Collusion Attack Resistant Finger Printing Scheme*”, International conference on Communication, Computation, Control and Nanotechnology, (ICN-2010), Rural Engineering College, Bhalki, October 29-30, 2010.
- 9.**Manjunatha Prasad.R** , Dr.Shivaprakash Koliwad, “ *A Robust wavelet-based watermarking system for*

*digital image copyright protection*”, IEEE 2<sup>nd</sup> International conference on Computing, Communication, Networking Technologies, Chettinad college of Engineering & Technology, Karur, July 29-31, 2010, **(Indexed in IEEE Explorer)** , DOI- 10.1109/ICCCNT.2010.5591586, 30<sup>th</sup> Sept 2010, ISBN: 978-1-4244-6591-0.

10. Manjunatha Prasad.R , Dr.Shivaprakash Koliwad, Ujwala.B.S, “ *A Non-Blind invisible wavelet-based watermarking scheme for copyright protection of digital images*”, International conference on Signals, Systems and communication(ICSSC-2009), Anna university, December 21-23, 2009

### **National Conferences:**

1. Roopa.B.S, Dr. Manjunatha Prasad.R, ”Analyzing ASD from typical Controls using LSTMs with rs-fMRI Data”, Research Conclave, at DSATM, Bangalore, on 10<sup>th</sup> April, 2021.
2. Dr. R. Manjunatha Prasad, Rashmi.V.K,“Brain Tumor Detection and Classification of Its Stage in MRI Brain Images Using SVM and ANN” NCCSTM – 2018. ISBN: 978-93-85682-54-4.
3. Manjunatha Prasad.R, Dr.Shivaprakash Koliwad, ”A Non-Blind invisible wavelet-based watermarking scheme for copyright protection of digital images”, National conference on image processing, Pattern recognition, computer vision, at PESCE, Mandya, on August 24-25, 2009.
4. Manjunatha Prasad.R, Dr.Shivaprakash Koliwad, “Digital image watermarking applied to image refining”, National conference on Recent trends in E&C and IT, at CMRIT, Bangalore, on August 28-29, 2008
5. Manjunatha Prasad.R, Dr.Shivaprakash Koliwad, “Robust digital image watermarking via VQ”, National conference on application of emerging Technologies, at Adiyamma college of Engg., Hosur, on March 24-25, 2008.
6. Manjunatha Prasad.R , Dr.Shivaprakash Koliwad, “Digital image watermarking applied to image refining”, National conference on Recent trends in E&C and IT, at CMRIT, Bangalore, on August 28-29, 2008.

**(Dr.Manjunatha Prasad.R)**