



Malnad College of Engineering, Hassan

(An Autonomous Institute, Affiliated to V.T.U, Belagavi)

Faculty Biodata

GENERAL INFORMATION AND ACADEMIC BACKGROUND

PART-A

1.	Name (in Block Letters)	TEJONIDHI. M. R
2.	Qualification	B.E., M.Tech., (Ph.D)
3.	Date of joining the service at MCE	23/08/2013
4.	Department	COMPUTER SCIENCE AND ENGINEERING
5.	Current Designation & Experience in MCE	ASSISTANT PROFESSOR, 13 Years
6.	Teaching Experience: P.G. (in Years) : U.G. (in Years) :	3 Years 10 Years
Research Experience (in Years)		
7.	a) Total Number of years b) Years spent in M. Phil. / Ph.D. c) Years of Guiding Ph.D. / M. Phil. d) Total No. of papers Published in i. International Journals ii. National Journals iii. Conference Proceedings e) Total No. of Conferences/Seminar/Workshop Attended i. International ii. National iii. State Level	04 04 - 05 01 19 20 05 04
8.	Awards / Prizes / Honor's / Recognitions	-
9.	Fields of Specialization under the Subject / Discipline	a) Computer Networks b) Internet of Things and Parallel Computing c) Image Processing and Big Data Analytics d) Cloud Computing

PART-B

1. Orientation/Refresher Course/Summer School / Winter School/Workshops attended:

Sl. No.	Name of Course/Summer/Winter School	Place	Duration	Sponsoring Agency
1.	Two-Week Online International FDP on “AI-Assisted Robotics and Intelligent Automation for Sustainable Technology and Innovation	Dept. of Robotics and Automation, Easwari Engineering College, Chennai	30 th January to 10 th February 2026	Easwari Engineering College
2.	Trends in Next Generation Wireless Network using Simulation Tools	Dept. of Computer and Communication Engineering, NMAMIT, Nitte	1 st to 5 th December 2025	NMAMIT, Nitte
3.	Transforming Technical Education and Research through Generative AI	MCE, Hassan	10 th to 15 th November 2025	ATAL
4.	AI-Powered Cyber Threat Intelligence: The Role of Generative AI in Modern Security	Swarnandhra College of Engineering and Technology	18 th to 23 rd August 2025	ATAL
5.	Next-Gen Intelligence: AI, Security and Geospatial Insights	Department of CSE, IIIT Kottayam, Kerala	14 th to 18 th July 2025	IIIT Kottayam
6.	5-Days Online FDP on “Applications of AI/ML in Power Systems and Electric Vehicles”	Department of Electrical & Electronics Engineering, Kishkinda University	5 th to 9 th August 2024	Kishkinda University
7.	5-Days FDP on “Data Science Applications Real-World using Python”	Department of Computer Engineering, Indira College of Engineering and Management, Pune	18 th to 22 nd March 2024	Indira College of Engineering and Management, Pune

8.	10 Hours National FDP on “Data Analytics using Power BI and Tableau”	Faculty of IT and CS – Parul University-Gujarat, Atria Institute of Technology, Karnataka and Amity Pune – Maharashtra in Collaboration with ExcelR Edtech Pvt. Ltd	11 th to 15 th March 2024	ExcelR Edtech Pvt. Ltd
9.	Five-Day FDP on “A Deep Dive into LangChain, OpenAI, and the Future of Computer Vision & Machine Learning”	Department of Computer Science & Engineering, NMAM Institute of Technology, Nitte, DU	6 th to 10 th February 2024	NMAM Institute of Technology, Nitte, DU
10.	One week Self Sponsored Short Term Course on “Advances in Deep Architectures for Signal, Image & Vision Applications (ADASIVA)”	Indian Institute of Information Technology, Allahabad	30 th October to 3 rd November 2023	Indian Institute of Information Technology, Allahabad
11.	Programming, Data Structures and Algorithms Using Python	IIT, Madras	Jul-Sep 2023	NPTEL-AICTE
12.	Research Methodology	IIT, Madras	Aug – Oct 2023	NPTEL-AICTE
13.	Python for Data Science	IIT, Madras	Jul-Aug 2023	NPTEL-AICTE
14.	Cloud Computing	MCE, Hassan	Aug-Oct 2022	NPTEL-AICTE
15.	Computer Science & Biology	MCE, Hassan	19th to 23rd Jan 2021	AICTE
16.	Introduction to Industry 4.0 and Internet of Things	MCE, Hassan	Jan-Apr 2020	NPTEL-AICTE
17.	Digital Transformation in Teaching Learning Process	MCE, Hassan	6 th to 22 nd Apr 2020	TEQIP-III
18.	Block chain	MCE, Hassan	3rd to 7th Nov 2020	AICTE
19.	IUCEE International Engineering Educator Workshop – Phase II	MCE, Hassan	Spring 2020	TEQIP-III

20.	Gaining Insight into data science and data Analytics	MCE, Hassan	15th to 27th July 2019	AICTE
21.	Green, Smart, 5G Technologies	MCE, Hassan	09th to 21st Dec 2019	AICTE
22.	IUCEE International Engineering Educator Workshop – Phase I	MCE, Hassan	26 th to 28 th Dec 2019	TEQIP-III
23.	Being a Great Teacher-Pedagogical training	MCE, Hassan	3 rd and 4 th Nov 2018	TEQIP-III
24.	Machine Learning	MCE, Hassan	28th Jun to 2nd Jul 2018	TEQIP
25.	Research Methodology and Intellectual Property Rights(RMAIPR-17)	MCE, Hassan	23rd to 25th Mar 2017	TEQIP
26.	Feel Teacher	MCE, Hassan	6th to 11th 2016	TEQIP
27.	IUCEE-OBE	KLE,Hubli	Aug to Dec 2016	IUCEE
28.	Pedagogical Training Programme	MCE, Hassan	11th to 15th Jul 2016	TEQIP
29.	Linear algebra and its applications	MCE, Hassan	2nd to 3rd Dec 2016	TEQIP

2. List of Publications:

Sl. No.	Title	Name of the Journal, Vol. No., Year	ISSN/ISBN/ Number
1.	A multi-context fusion-aware graph modelling for group activity recognition using pose-conditioned spatial encoding and actor relations	Scientific Reports, 2026 https://doi.org/10.1038/s41598-026-46296-1	2045-2322
2.	MH-UNet: A Modified Hybrid UNet with Attention and Graph Neural Networks for Leukemia Cell Segmentation	<i>Int. J. Intell. Eng. Syst.</i> 2025 , 18, 916–932, https://doi.org/10.22266/ijies2025.0731.57	2185-3118
3.	Improving OCTA Image Quality for Alzheimer's Diagnosis Using Autoencoder, Self-Attention and GANs	International Journal of Intelligent Engineering and Systems, Vol.18, No.7, 2025	2185-3118
4.	Optimizing Group Activity Recognition With Actor Relation Graphs and GCN-LSTM Architectures	IEEE Access, vol. 13, pp. 55957-55969, 2025, doi: 10.1109/ACCESS.2025.3552668	2169-3536

5.	Vision-Based Complete Scene Understanding using Faster R-CNN	ICDSNS-2024	979-8-3503-7312-7
6.	Eye Blink to Speech Conversion for Paralyzed (MND) Patients Using ML Based Algorithm	ICDSIS July 2022	978-1-6654-9801-2
7.	Predicting the Stock Price Using Natural Language Processing and Random Forest Regressor	ICDSIS July 2022	978-1-6654-9801-2
8.	Trend Detection in Stock Prices using Ensemble Methods	ICDSIS July 2022	978-1-6654-9801-2
9.	A Survey on IOT-Middleware and Image processing	ICAIT July 2019	978-1-7281-3241-9
10.	IOT based smart security gadget for women safety	ICAIT July 2019	978-1-7281-3241-9
11.	Alumni Mentoring Programme	Engineering Education Transformation, Jan 2018	2349-2473
12.	Exemplary Faculty Mentoring Programme	Jan-18	2349-2473
13.	A Recipe for the Use of ICT Tools in an Educational Institute	Jan-18	2349-2473
14.	A Guide to Grant Proposal Writing	Engineering Education Transformation, Jan 2017	
15.	Oculus Supervised Wheel Chair Control for People with Loco motor Disabilities	Mar-17	978-1-5090-6701-5
16.	A Project Based Approach to Teach Object Oriented Modelling and Design Patterns	Engineering Education Transformation, Jan 2017	
17.	An Unified Approach of Transform Techniques and Subspace model for Web Image Retrieval	IJCSITRE Nov-Dec 2017	2250-2734
18.	Research based approach on NS-2 for Post-Graduation Course	Jan-16	2394-1707
19.	A Practical Approach to Teach Web Programming Course	Jan-16	2394-1707
20.	Plant Disease Analysis using Histogram Matching Based on Bhattacharya's Distance Calculation	Mar-16	978-1-4673-9939-5
21.	Performance Evaluation of Secured Cooperating Routing Protocol in CR-Ad-Hoc Networks	Page 142-148, May 2014	
22.	Heuristics Based Optimal Filtering of Malicious Traffic	Page 138-141 May 2014	
23.	Efficient filter construction for access control in firewalls	Page 75, Oct 2014	978-93-83083-89-3
24.	Evaluation of Performance Dependency of MPI and PVM Based Parallel Applications on Broadcast Operation	May ,2014	978-3-643-24819-03
25.	Parallel Merge Sort Based Performance Evaluation and comparison of MPI and PVM	Page 530-534, April 2013	978-1-4673-5759-3