



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	MEGHASHREE B S
2.	Qualification	B.E, M.Tech
3.	Date of joining the service at MCE	20-01-2020
4.	Department	Electronics and Instrumentation Engineering
5.	Current Designation Experience in MCE	Assistant Professor 5 years 3 Months
6.	Teaching Experience: U.G. (in Years) :	6 years 3 Months
Research Experience (in Years)		
7.	Total Number of years	1 year
8.	Awards /Prizes/ Honor's / Recognitions	Best paper award for the titled "Photonic Crystal Micro-Ring Resonator for Urine Analysis for Different Diseases" at IEEE MysoreCon 2023
9.	Fields of Specialization under the Subject / Discipline	Digital Signal Processing and Photonics
10.	Orientation/Refresher Course/Summer School / Winter School/Workshops attended:	19

PART-B

1. List of Publications:

Sl. No.	Title	Name of the Journal, Vol. No., Year	ISSN/ISBN/Number
1.	Cervical Cancer Diagnosis using Photonic Crystal Based Bio Sensor	International Journal of All Research Education and Scientific Methods (IJARESM), Volume 12, Issue 4, April-2024,	ISSN: 2455-6211
2.	Photonic Crystal Micro-Ring Resonator for Urine Analysis for Different Diseases	979-8-3503-4035-8/23/\$31.00 ©2023 IEEE	DOI:10.1109/Mysur uCon59703.2023.10397004

3.	AES based Image Encryption and Decryption using Matlab	International Journal of Engineering Research & Technology (IJERT) Volume 6, Issue 13, NCESC - 2018	ISSN: 2278-0181
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2. **Responsibilities in the Department and Institute / University:** (DAC, DPC, BOS, BOE etc., Institutional Governance responsibilities like, Dean, Chief warden, Warden, HOD's, School/Centre Chairperson, IQAC Coordinator etc.)

Sl. No	Responsibilities
1.	BOS
2.	BOE

3. **Details of Teaching Related Activities**

Sl. No.	Academic Year	(B. E)	Course Title
1	2025	3 rd semester 5 th semester 5 th semester 4 th semester 6 th semester	Network Analysis, Social Connect and Responsibility Fundamentals of Signals & DSP Research Methodology & IPR Lasers & Biomedical Instrumentation Management & Entrepreneurship
2	2024	3 rd semester 5 th semester 6 th semester 8 th semester	Network Analysis, Social Connect and Responsibility Fundamentals of Signals & DSP Computer Networks Management & Entrepreneurship
3	2023	3 rd semester 5 th semester	Network Analysis Fundamentals of Signals & DSP Computer Networks Management & Entrepreneurship
4	2022	3 rd semester 5 th semester 6 th semester 8 th semester	Network Analysis, UHV Digital Signal Processing MEMS Management & Entrepreneurship

Professional Development Activities		
	Membership in profession related committees at state and national level a) At International b) At national level: c) At state :	NIL
	Participation in subject associations, conferences, seminars without paper presentation	01
	Participation in short term training courses less than one week duration in	

	educational technology, curriculum development, professional development, Examination reforms, Institutional governance	
	Membership/participation in State/Central Bodies/Committees on Education, Research and National Development	
	Publication of articles in newspapers, magazines, or other publications (not covered in category 3); radio talks; television programmes	
	Invited Expert Talks	

PART-C

RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS

1. Published Papers in Journals

Sl. No.	Title	Journal with Vol. Year & Page No.	ISSN / ISBN No.	Whether peer reviewed. Impact factor, if any	No. of Co-authors	Whether you are the main author or Guide / mentor
1	Cervical Cancer Diagnosis using Photonic Crystal Based Bio Sensor	International Journal of All Research Education and Scientific Methods (IJARESM), Volume 12, Issue 4, April-2024,	ISSN: 2455-6211	No Impact Factor: 8.536	3	Mentor

2. Training Courses, Teaching-Learning-Evaluation Technology Programs, Faculty development Programmes: ATTENDED

Sl. No.	Name of Course/Summer/Winter School/FDP	Duration	Organized By
1.	Psychology of Stress, Health And Well-Being (NPTEL)	12 Week (2025)	Swayam (NPTEL)
2.	Advanced Functional Materials: Energy, Environment and Sustainable Development	28th Feb to 3rd March 2025	SRM TRP Engineering college, Tiruchirappalli
3.	Recent Trends in Artificial Intelligence and Machine Learning	3 rd Feb to 8 th Feb 2025	Global Academy of Technology, Bengaluru
4.	High Performance Computing	06/01/2025 to 11/01/2025	Bhilai Institute Of Technology
5.	Scaling New Heights: A Comprehensive Training Program to Enhance Overall Institutional Diligence	20th September, 2024	Malnad College of Engineering, Hassan
6.	Recent Advancements in Electric Vehicle Technology 2.0 (RAEVT 2.0)	26th – 30th August, 2024	Ballari Institute of Technology and Management, Ballari
7.	Research Methodology	22nd – 26th July, 2024	Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon
8.	New generation smart materials and composites for sustainable development	7 th – 12 th June, 2024	Malnad College of Engineering, Hassan
9.	I-STEM SAMAVESHA	13th March 2024	Malnad College of Engineering, Hassan

10	Opportunities and Challenges in Entrepreneurship	3rd – 19th January, 2024	JSSATEB Science and Technology Entrepreneurship Park, Bengaluru
11	A national Symposium on “Writing Skills & Predatory Journals: Crafting Quality Research”	29th December, 2023	Idyllic Institute Of Management
12	National Initiative for Technical Teachers Training (NITTT)	8 Weeks (September 2023)	NITTT, Chennai
13	Introduction to Python Programming	19 th to 23 rd June 2023	VTU, VIAT Muddenahalli, Chikkaballapur
14	Salesforce Platform Developer 1	29 th May to 2 nd June 2023	ICT Academy
15	IUCEE International Educator Certification Program Fall 2022	6 Months (July – December)	IUCEE
16	Data Analytics and Learning The Quest	10 th to 14 th October 2022	Malnad College of Engineering
17	Outcome Based Education	19 th to 23 rd September 2022	Malnad College of Engineering
18	AICTE Idea lab Training Programm	11 th to 15 th June 2022	Malnad College of Engineering
19	Inculcating Universal Human Values	25 th to 29 th October 2021	AICTE, New Delhi
20	Ensuring Quality in Engineering Education	22 nd November 2021	Malnad College of Engineering
21	National Initiative for Technical Teachers training(NITTT 2021)	8 Weeks	NITTT
22	Faculty Development Program on “Advances in Signal Processing and Wireless Communication” (online)	24–29 August,2020	Rajeev Institute of Technology, Hassan
23	One Week International Faculty Development Program on “Technologies with Social Relevance” (online)	27th July, 2020 –01st August, 2020.	GMRIT, Rajam
24	One Week Online Faculty Development Program on “Research Avenues in Healthcare Technology”	21st to 25th of July 2020	SJC College Of Engineering, Mysuru
25	National Level Online Faculty Development Program on "Advanced Research Trends in Image Processing"	14 to 16 July 2020.	Hirasugar Institute of Technology, Nidasoshi
26	National Conference on Electronics, Signal and Communication	29 th May 2017	GSSS Institute of Engineering and Technology, Mysuru
27	Workshop on “MOEMS & APPLICATIONS”	18 th March,2017	MCE, Hassan
28	Workshop on “VIRTUAL LABORATORY”	16 th February,2017	MCE, Hassan
29	International Conference on Intelligent and Autonomous Systems	28 th and 29 th November,2015	MCE, Hassan
30	Internship on “Advanced Telecom Technology”	1 st August to 30 th November,2016	BSNL, Hassan

3. Papers presented in Conferences, Seminars, Workshops, Symposia

Sl. No.	Title	Title of Conference/Seminar etc.	Dates of the Event	Organized by	Whether International/National/State/Regional/University/College Level
1	Photonic Crystal Micro-Ring Resonator for Urine Analysis for Different Diseases	IEEE MysoreCon 2023	1 st and 2 nd December, 2023	Malnad College of Engineering	International Conference