FACULTY PROFILE

1. Name :	Sushma N		
2. Date of Birth :	18/05/1990		
3. Highest Qualifications :	BE, M.Tech, (Ph.D.)		
4. Academic Performance :			

Qualifications	Board / IIT / University	Institute and place where studied	Year of passing	Percentage
SSLC	CBSE	KendriyaVidyalaya, Hassan	2005	72.4%
Diploma	Board of Technical Examination	Govt. Women's Polytechnic, Hassan	2008	77.73%
B.E.	VTU	GSSSIETW, Mysore	2011	69.37%
M.Tech	VTU	MCE, Hassan	2013	78.83%
Ph.D.	VTU	MCE, Hassan	Persuing	

5. Date of Joining :	21/08/2013
6. Status as on date of Joining :	Assistant Professor
7. Salary as on date of Joining :	Rs. 18,000 ((Basic) + Allowance)
8. Present Status :	Assistant Professor
9. Salary as on date :	Rs. 27590 ((Basic) + Allowance)= Rs 40006

10. Achievements since date of joining:

International Conference

1. Attended International Conference on Intelligent and Autonomous Systems ICIAS2015 conducted on 28th and 29th November, 2015 at Malnad College Engineering, Hassan organized by E&C and E&E Engineering departments in collaboration with MCF (ISRO), Hassan.

2. N. Sushma, H. N. Suresh and J. Mohana Lakshmi, "Smart Water Flow Meter for Improved Measurement of Water Usage in a Smart City," International

Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2022), held on 21st-22nd, April 2022 at Bhilai, Chhattisgarh, India. DOI: 10.1109/ICAECT54875.2022.9808041

3. Attended International Conference series of IEEE Mysore Subsection in association with IEEE Bangalore Section hosted by JSS Science and Technology University, Mysore partnered with Nitte Meenakshi Institute of Technology, Bengaluru during 16th and 17th October.

4. Presented a poster in **Research Conclave** on 26th November 2022 organized by IEEE circuits and Systems Society, Bangalore Chapter in association with department of Computer Science and Engineering, Malnad College of Engineering, Hassan.

International/National Journal

1. Santhosh Kumar K. B. and Sushma N., "**Efficient Transmission of EMG Signals for Telemedicine Applications**," Gradvia Review Journal, vol. 09, no. 05, May 2023. DOI: 10.37897.GRJ.2022.V915.23.51291

2. N. Sushma, H. N. Suresh, J. Mohana Lakshmi, Parvathaneni Naga Srinivasu, Akash Kumar Bhoi and Paolo Barsocchi, "**A Unified Metering System Deployed for Water and Energy Monitoring in Smart City**," *IEEE Access*, vol. 11, pp. 80429-80447, 2023. DOI: 10.1109/ACCESS.2023.3299825

Workshops Conducted

1. Two days' work shop on Hands on Training on Internet of Things held on 5thand 6th of March, 2017 at Malnad College Engineering, Hassan.

2. Two days' work shop on Internet of Things for Real Time Applications held on 13th and 14thof March, 2017 at Malnad College Engineering, Hassan.

3. Three days' workshop on Image Processing and Pattern Recognition Techniques from 24th to 26th of March, 2017 at Malnad College Engineering, Hassan.

4. One week Faculty Development Programme on MEMS & MOEMS held during 30th April and 04th May, 2018 at Malnad College Engineering, Hassan under TEQIP III in association with IEEE Photonic society Bangalore Chapter.

5. One day work shop on Applications of Probability in Engineering on 5th November 2019 at MCE Hassan.

6. Three days workshop on Hands-on Training on Photonic Sensor Simulation Tools from 3rd to 5th October 2019 at MCE Hassan.

Faculty Development Programme

1. Participated in one week FDP on **"Recent Technological Innovations in Optical Engineering"** organized by Department of Electronics and

Communication Engineering, Malnad College of Engineering, Hassan, during 14th -18th July 2014.

2. Participated in one week FDP on **"Analytical and Numerical Techniques in Applied Mathematics and Engineering",** held during 28thJuly to 2nd August 2014, organized by Department of Mathematics, Malnad College of Engineering, Hassan.

3. Participated in TEQIP-II sponsored three days FDP on **"Pedagogical Training Programme for Faculty Members"** organized by Department of Electrical & Electronics Engineering, MCE, Hassan, held during 15th to 17thDecember, 2014.

4. Participated in two weeks AICTE sponsored faculty development program on **"Formulation, Modeling and Practical Applications of Operation Research (FMPAOR-2015)"**organized by Department of Mechanical Engineering, Malnad College of Engineering, Hassan, 25th May-06th June, 2015.

5. Attended one week FDP on **"PCB Process Automation"** organized by Department of Electronics and Communication Engineering, PESITM, during 24th to 27thJune 2015.

6. Participated in TEQIP-II sponsored one week FDP on **"Feel Teacher"**, held during 06thto 11th June 2016, held at Malnad College of Engineering, Hassan.

7. Participated in one week FDP on **"Machine Learning"** organized by Department of Electronics and Communication, at Malnad College of Engineering, Hassan from 28th June – 3nd July, 2018.

8. Participated in one week FDP on **"Recent Development in Solar and Wind Energy System for On/Off Grid Applications"** from 09th to 13th July 2018 at MCE, Hassan.

9. Participated in five days FDP on **"Computational Real time Analysis of systems using MATLAB and XILINX"** organized by Department of Electrical and Electronics, at Malnad College of Engineering, Hassan from 16 to 20 July 2018 at MCE Hassan

10. Faculty development program on **"Being a Great Teacher"** organized by Mechanical Engineering, at Malnad College of Engineering, Hassan, during 3rd-4th November, 2018.

11. Participated in two weeks AICTE sponsored Faculty Development programme on **"Green, Smart, 5G Technologies"** from 9th to 21st December, 2019 at Dept. of ECE, MCE Hassan.

12. ATAL online FDP on **"Internet of Things (IoT)"** from 07th-11th September 2020 at Sri Sairam Institute of Technology.

13. ATAL online FDP on **"Smart Cities"** from 21st -25th September 2020 at S R Engineering College.

14. ATAL online FDP on **"Smart Cities"** from 12th-16th October 2020 at Indian Institute of Information Technology, Dharwad.

15. Participated in two-weeks AICTE sponsored FDP on **"System Chip Design-Basics to Development of Chips"** organized by Maturi Venkata Subba Rao (MVSR) Engineering College, Nadergul, Hyderabad during 16-28 November 2020.

16. Participated in two-weeks FDP on **"Hands on Project-Based Approach for Biomedical Signal Analysis using MATLAB"** organized by Dept. of ECE at Kakatiya Institute of Technology & Science, Warangal, Telangana during 01-13 February 2021.

17. ATAL online FDP on **"Internet of Things (IoT) - A Practical Approach"** from 06th-10th December 2021 at Indian Institute of Information Technology, Dharwad.

18. Participated in one week national level FDP on **"Societal Applications of Machine Learning"** conducted by Dept. of CSE, Shri Vishnu Engineering College for Women, Bhimavaram from 26-30th December 2022.

19. Participated in one week national level FDP on **"Recent Advances in Data Science, Data Analytics and Cyber Security"** conducted by Dept. of CSE, Shri Vishnu Engineering College for Women, Bhimavaram from 1-5th March 2023.

20. Participated in one week FDP on **"Train the Trainers"** in Process Automation conducted by VENJAY Automation, Bangalore from 10-15th April 2023 at DST-FIST, Malnad College of Engineering, Hassan.

Courses/Workshops

1. Participated in one day National workshop on **"Patents and Innovations"** organized by Department of Instrumentation Technology, Malnad College of Engineering, Hassan, on 31[th]August 2013.

2. Participated in two days' workshop on **"Empowering Teachers"** held at Malnad College of Engineering, Hassan, on 24[th]and 25th October 2013.

3. Participated in one week workshop on **"Embedded System design"** held during 13th -17th January, 2014 by Department of Electronics and

Communication Engineering, B V Bhoomaraddi College of Engineering and Technology, Hubli.

4. Participated in one week short term course on **"Challenges and Opportunities in VLSI Design and Technology (COVDAT-14)"** during 23rd -27th June, 2014 by Department Electronics and Communication Engineering, NIT, Hamirpur.

5. Participated in workshop on **"India's Achievement in Space Technology and Social Development in Technical Education**" organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on 16th October 2014.

6. Participated in workshop on **"Hands on Experience in Antenna Design using ANSYS HFSS"** organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on27thOctober 2014.

7. Participated in workshop on **"Recent Trends in Antenna Research & Communication Technology"** organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, during 06th April to 07th April2015.

8. Participated in workshop on **"Advanced Simulation using MATLAB"** organized by Department of Electronics and Communication Engineering, in association with CoreEL Technologies at St. Joseph Engineering, Mangaluru, during July 18th to 22nd, 2016.

9. Participated in two days' workshop on **"Hands on Training on Internet of Things"** from 5th & 6th March 2017, organized by Department of Electronics and Communication, at Malnad College of Engineering, Hassan.

10. Participated in one day workshop on **"MOEMS and Applications"** on 18th March 2017, organized by Department of Electronics and Communication, at Malnad College of Engineering, Hassan.

11. Participated in two days' workshop on **"Hands on training on Cadence VLSI design tool"** from 18th and 19th March 2017, organized by Department of Electronics and Communication, at Malnad College of Engineering, Hassan.

12. Participated in workshop on **"Signals and Systems"** conducted by IETE on 19th March, 2017 at Bangalore centre.

13. Participated in one day workshop on **"High Speed Optical Networks"**on 21th March 2017, organized by Department of Electronics and Communication, at Malnad College of Engineering, Hassan.

14. Participated in one day workshop on **"Hands on training on NETSIM"** on27th March 2017, organized by Department of Electronics and Communication, at Malnad College of Engineering, Hassan.

15. Participated in one day workshop on **"Research Orientation Using Virtual Labs"** organized by Department of Electronics and Communication, at Malnad College of Engineering, Hassan on 5th October, 2018.

16. Participated in one day workshop on **"Training the Proctors for Effective Counseling"** organized by Women Security, Welfare and Grievance Redressal Committee, Malnad College of Engineering, Hassan 23rd March, 2019.

17. Participated in two days FDP on "**Outcome Based Education"** from 4th to 5th Aug 2018   at MCE, Hassan

18. Participated in one week STTP on **"Smart Grid and Smart City: Recent Trends (SmaRT 2019)"** from 8th to 13th July, 2019 at Dept. of EEE, MCE, Hassan.

19. Participated in two days TEQIP-III sponsored workshop on **"Automotive Electronics"** on 12th – 13th October, 2019 at Dept. of ECE, MCE, Hassan.

20. Participated in one day work shop on **"FEEL Teacher- Developing, Counseling, Mentoring"** on 2nd November 2019 at MCE, Hassan.

21. Participated in seven days online work shop on **"Research Methodology"** organized by the Dept. of Humanities and Social Sciences, Motilal Nehru National Institute of Technology, Allahabad from 08-14 December 2020.

22. Participated in AICTE sponsored one week online STTP on **"Smart City: Recent Developments in Smart City (SMART-2020)"** organized by Dept. of EEE, Sri Siddhartha Institute of Technology, Tumakuru from 21-26 December, 2020.

23. Successfully completed IUCEE International Engineering Educator Certification Program Spring 2020.

24. Participated in AICTE sponsored six days online STTP on **"Technical Writing & Research Methodology"** held on 28th December to 03rd January 2021 organized by Dept. of Electrical and Electronics Engineering, Chaitanya Bharathi Institute of Technology, Proddatur.

25. Participated in **"National Energy Conservation Week"** organized by Energy Club in association with Institution's Innovation Council from 14-20th December 2022.

26. Participated in national level workshop on **"Application of Innovative Soft Tools and Techniques in Research"** conducted by Dept. of IT, Vivekanadha College of Technology for Women, Tiruchengode in association with Computer Society of India and Institution's Innovation Council on 25th February 2022.

27. Participated in five days' workshop on **"Analog and Digital IC Design: Semiconductor Industry Approach"** jointly organized by Atria Institute of Technology and Entuple Technologies from 26-30th September 2022.

28. Participated in one day workshop on **"Intellectual Property Rights and Cyber Law"** on 17th October 2022, organized by Department of Electronics and Communication, at Malnad College of Engineering, Hassan.

Webinars

1. Participated in the webinar on **"IoT Protocols"** organized by Dept. of ECE, Mahaveer Institute of Science and Technology in association with Pantech E Learning on 06th September, 2020.

2. Participated in the webinar on **"Challenges to implement IoT in Industries"** organized by Dept. of CS, A.V. College of Arts, Science & Commerce in association with Pantech E Learning on 10th September, 2020.

3. Participated in the webinar on **"Wireless Body Area Network (WBAN)"** organized by Dept. of ECE, KSRM College of Engineering, Kadapa in association with Pantech E Learning on 28th September, 2020.

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(Sushma N)