



## Dr UMADEVI H

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Address: Bangalore Urban ,Karnataka,India - 560056

## Expertise

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### Electrical and Electronic Engineering

Dr Umadevi H, working as a Professor in the department of Electronics and Communication engineering in Dr Ambedkar Institute of Technology, Bangalore 560056 i have been teaching wireless communication , 5g technologies, mobile communication systems, satellite communication subjects, OFC, VLSI, ITC,ESD,RTOS, Microwave and Antenna, wireless Communication, CCN,Digital Communication.. from last 28 years. i have also been trained by IIT Bombay, IIT Kharagpur on current technologies like Internet Of

## Work experience

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1. Dr Ambedkar Institute of Technology, Bengaluru 2014 — Present

Professor  
Bengaluru

2. Dr Ambedkar Institute of Technology, Bengaluru 2014 — Present

Professor  
Bengaluru

3. Dr Ambedkar Institute of Technology, Bengaluru 2006 — 2014

Associate Professor  
Bengaluru

4. Dr Ambedkar Institute of Technology, Bengaluru 2003 — 2014

Professor  
Bengaluru

## 5. Dr Ambedkar Institute of Technology, Bengaluru 2003 — 2006

Assistant Professor  
Bengaluru

## Education

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### 1. PhD - 2014

UVCE

### 2. PhD - 2014

UVCE

## Honours and Awards

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### 1. revivers for conference - 2023

technical domain

### 2. Women Achiver - 2023

NGO's under congress party

### 3. revivers for journals - 2022

technical domain

### 4. National Élite Teachers Award - 2021

I2OR, MSME

### 5. women Researcher Award, under International Scientist Awards - 2020

VDGOOD TECHNOLOGYFACTORY Trichy,India

### 6. International Scientist Awardss - 2020

VDGOOD

### 7. Extra curriculum activity , winner in musical chail - 2019

organization

# Research Project

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## Floating Waste Scooper Robot on Water Surface

Role: Guide

Year 2021, Amount 6000

## multiline wireless notice board

Role: investigator

Year 2012, Amount One Lakh

# Membership In Professional Bodies

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1. IEEE, ISTE, 2023  
Life time
2. ISTE, IEEE,, 2004  
life time
3. ISTE, IEEE, CRSI, 2004  
life time

# Membership In Committees

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1. skill lab, 2023  
co ordinator
2. board of Examination, 2023  
chairmen
3. board of Studies, 2023  
member
4. R and D coordinator, 2022  
coordinator
5. NEWS conference, 2022

member

6. Board Of Examination, Board of Studies Audit committee, 2021  
Professor
7. Chair person in international conference, 2020  
judge
8. EVS in AICTE, 2019  
expert committee member
9. Chair person in conference, 2019  
judge
10. : [www.icnews2018.com](http://www.icnews2018.com) , 2018  
member
11. Chair person in conferences, 2010  
zuree

## Patent

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1. A Reconfigured Fractal Compact Minkowski Microstrip Filter for Advanced Wireless Communication Applications  
Inventor(s): KAVITHA DEVI CS, Assignee: Kavitha Devi CS  
Published: 0000-00-00

## Publication

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1. Cloud Computing and Networking for SmartFarm AgriTech  
Rathod M.L.;Shivaputra A.;Umadevi H.;Nagamani K.;Periyasamy S.  
Journal of Nanomaterials, Volume 2022, Year 2022
2. A Study of Current Trends in Marketing Management and Leadership  
Hemant Mulajkar  
Journal, Volume 20, Year 2022, Pages 1185-1191
3. Disease prediction and detection in animals by DNA genetic engineering using optical sensor based on silicon material

- Sowmya Padukone.G, Dr.Umadevi.H  
Materials Today: Proceedings, Volume Volume 62,, Year 2022, Pages 1898-1903
4. **Reconfigured compact Minkowski fractal microstrip filter**  
Kavitha Devi C.S.;Umadevi H.;Baligar J.S.  
Microwave and Optical Technology Letters, Volume 64, Year 2022, Pages 471-475
  5. **Genetic expression and clustering analysis related to DNA micro-arrays using optical sensor manufactured using silicon material**  
Sowmya Padukone.G,Dr.Umadevi.H  
Materials Today: Proceedings, Volume Volume 62, Part 4, , Year 2022, Pages 1770-1779
  6. **Smart Wearable System For Patients With Respiratory Disorders Using IOT**  
Dr.umadevi  
International Research Journal of Engineering and Technology (IRJET), Volume 9, Year 2022, Pages 1-5
  7. **Cluster Based Routing Protocol Using Energy Centric Multi Objective Salp Swarm Algorithm for WSNs**  
Srinivasalu G.;Umadevi H.  
International Journal of Intelligent Engineering and Systems, Volume 14, Year 2021, Pages 35-45
  8. **Floating Waste Scooper Robot On Water Surface**  
Dr.umadevi  
IJCRT, Volume 9, Year 2021, Pages 390-394
  9. **A Compact Bandpass Microstrip Filter for Wireless Communication Applications**  
Kavitha Devi C,S  
Turkish Journal of Computer and Mathematics Education (TURCOMAT), Volume 6, Year 2021, Pages 161-165
  10. **'Micro Array Visualization and Mathematical Analysis using Optical Pixel Technology'**  
Sowmya Padukone.G , Dr.Umadevi.H  
World Book of Records,, Volume , Year 2021, Pages
  11. **Analysis and design of an optical biosensor using mathematical modeling**  
Sowmya Padukone G.;Uma Devi H.;Shivaputra ;Rathod M.L.  
Lecture Notes in Mechanical Engineering, Volume , Year 2021, Pages 481-491
  12. **miniaturized band pass filter using microstrip lines**  
Kavitha Devi CS1,Umadevi H2,Jambunath Baligar3  
ICMSTE2K21, Volume , Year 2021, Pages
  13. **A Miniaturized Bandpass Filter using Microstrip Lines**  
Kavitha Devi C,S  
Materials Today: Proceedings, Volume , Year 2020, Pages

14. **Optical Signal Confinement in an optical Sensor for Efficient Biological Analysis by HQF Achievement**  
Sowmya Padukone G.;Uma Devi H.  
Proceedings of the 4th International Conference on Trends in Electronics and Informatics, ICOEI 2020, Volume , Year 2020, Pages 7-12
15. **PERFORMANCE ANALYSIS OF BRAUN MULTIPLIER USING FULL ADDER**  
Swamy TN, Vani K  
AICTE Sponsored 1st International E-Conference On "Recent Trends & Development in Information and Communication Engineering, Volume , Year 2020, Pages 228-
16. **Definite Design Creation for Cellular Components Present in Blood and Detection of Cancerous Cells by Using Optical Based Biosensor**  
Sowmya Padukone G.;Uma Devi H.  
New Trends in Computational Vision and Bio-Inspired Computing - Selected Works Presented at the ICCVBIC 2018, Volume , Year 2020, Pages 1283-1292
17. **Scientific Applications of Forensic Science for Detection of Criminals & Different Diseases using Optical Biosensor**  
Dr.umadevi  
(IJITEE, Volume 8, Year 2019, Pages 260-266
18. **Designing of Reconfigurable Compact Bandpass Microstrip Filter**  
Devi K.C.S.;Umadevi H.;Baligar J.S.  
Proceedings of the 3rd International Conference on Electronics and Communication and Aerospace Technology, ICECA 2019, Volume , Year 2019, Pages 726-730
19. **Reconfigurable Compact Bandpass Microstrip Filter of Bandwidth 1.54GHz**  
Kavitha Devi  
American Journal of Network and Communications, Volume , Year 2019, Pages 59-63
20. **INFORMATION DETERMINATION OF THE CONSTITUENTS OF WHITE BLOOD CELLS USING OPTICAL BIOSENSOR**  
Dr.umadevi  
JOURNAL OF MECHANICS OF CONTINUA AND MATHEMATICAL SCIENCES, Volume 14, Year 2019, Pages 1023-1032
21. **Engilidentification of cellular components present in Blood & Detection of Cancerous Cells by using Optical based Biosensor**  
Dr.umadevi  
spinger, Volume , Year 2019, Pages 3527
22. **Reconfigurable Compact Bandpass Microstrip Filter of Bandwidth 1.54 GHz**  
Dr umadevi H  
American Journal of Networks and Communications, Volume 8(2), Year 2019, Pages 59-63
23. **Reconfigurable bandpass microstrip filter**  
C. S. Kavitha Devi | H. Umadevi | Jambunath S. Baligar

24. Tumor markers for cancer detection using optical sensor

Sowmya Padukone G.;Uma Devi H.

Proceedings of the International Conference on Smart Systems and Inventive Technology, ICSSIT 2018, Volume , Year 2018, Pages 52-56

25. Review paper on compact microstrip filters design to an advanced wireless communications for smart cities

Kavitha Devi CS1,Umadevi H2,Jambunath Baligar3

IJSRD, Volume 6, Year 2018, Pages 983-987

26. Efficient FPGA Implementation of Radix 8 Partial Product Generator for FIR Filter and MAC Applications

Kalyani H N, H Umadevi

International Research Journal of Engineering and Technology (IRJET), Volume 4, Year 2017, Pages 2395-0056

27. HYBRID DRIVER SAFETY, THEFT INTIMATION AND TRACKING USING MODERN WIRELESS TECHNOLOGY AND CLOUD COMPUTING.

Dr. H Umadevi, Rakshith R Kashyap, Sachin K, RakshithKumar R

International Journal of Latest Trends in Engineering and Technology, Volume 10, Year 2017, Pages 109-115

28. RESEARCH PAPER/ Study on Recognizing the Human Face under Invariant Pose, Illumination and Expression using LBP, LoG and SVM

AMRUTHA

Study on Recognizing the Human Face under Invariant Pose, Illumination and Expression using LBP, LoG and SVM, Volume Volume 6 , Year 2017, Pages 957-959

29. Design and Simulation of EEG Signals Analysis-A Case Study

Adhalli, Sapana M and Umadevi, H and Guruprasad, SP and Hegde, Rajeshwari

International Journal of Engineering Science and Computing, Volume 6, Year 2016, Pages 6179--6187

30. • Nutritional awareness of mother and cognitive development of child: An overview

Dr. SUNITA KEJRIWAL

Educatum , peer reviewed journal, Volume 7, Year 2016, Pages

31. Compact microstrip filters design for advanced wireless communications

Kavitha Devi CS1,Umadevi H2,Jambunath Baligar3

international conference on development of smart cities ;interface ,Governance and Technology, Volume , Year 2016, Pages

32. Design and Implementation of EEG Signals Analysis on FPGA

Sapana M Adhalli ., H Umadevi .,

International Journal Of Engineering And Computer Science , Volume 5, No 5, Year 2015, Pages 16658-16667

33. **Enabling a Smart City using wireless communication system**

Dr Umadevi H

www.iucee.org, Volume , Year 2014, Pages

34. **VEHICLE SECURITY SYSTEM USING ANDROID SMART PHONE**

Dr Umadevi H

www.iucee.org, Volume , Year 2013, Pages

35. **A Recent Survey on Incremental Temporal Association Rule Mining**

Vijay Kumar Verma and Pradnya A Shirsath

International Journal of Innovative Technology and Exploring Engineering, Volume Volume-3, Issue-1,  
Year 2013, Pages 88

36. **OFDM technique for multi-carrier modulation (MCM) signaling**

Umadevi H

Journal of Emerging Trends in Engineering and Applied Sciences, Volume 2, Year 2011, Pages 5

37. **Multi-carrier modulation (MCM) signaling using OFDM technique**

AIP Conference Proceedings, Year 2011