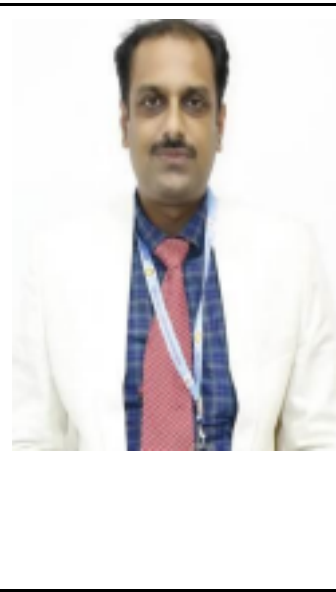


PERSONAL DETAILS			
Name	Dr. Naveen B		
Department	Electronics & Communication Engg.		
Designation	Associate Professor		
Qualification	Ph.D		
Teaching Experience	11 Years Teaching	02 Years Industry	
Email	1. naveenb@bgsit.ac.in 2. Navingowda.321@gmail.com		Vidwan ID 119799
ORCID-ID	0000-0001-8854-2856		SCOP US ID 57209690182
Type of Association	Regular		
Core Discipline	Electronics & Communication Engineering		
Specialization	VLSI Design and Embedded System		
DOJ:	09-02-2018		
Areas of Interest	<ul style="list-style-type: none"> · VLSI · Image processing · Microprocessor and Microcontroller · Embedded System 		
MEMBERSHIP OF PROFESSIONAL BODIES			
Professional Society	From Year	Membership Number/ Nature	
IEEE	March 2020	96664854/1 year	

ISCA	January 2020	LM38400-/ LIFETIME
AMIE	August 2014	AM-151235/LIFETIME
ISTE	FEBRUARY 2021	LM 131719
IAENG	MARCH 2021	278821

PUBLICATIONS

INTERNATIONAL JOURNALS:16

1. “Design of Simulink Module for a Real Time Image/Video Splitting” International Journal of Computational Engineering Research (IJCER), **UGC APPROVED** Impact Factor: 6.41, volume 03, Issue 01. ISSN 2250 – 3005, Page No 125 – 131, January-2013.

2. “Design Parameter Analysis of Simulink and System Generator Module for a Real Time Image Splitting and Enlarging” International Journal of Science and Research – (IJSR), Index Copernicus Value: 6.14, Impact Factor: 5.611, ISSN: 2319-7064 Volume 05, Issue 03, Page No 1699-1702, March-2016.

3. “Automated Waste Segregator Using Audrino” International Journal of Advanced Engineering and Research Development (IJAERD), Impact Factor: 5.71, ISSN: 2348-

4470 (ONLINE), ISSN: 2348-6406(PRINT) Volume 05, Issue 05, Page No 255-261, May-2018.

4. “Speech and Gesture command Implementation of a Robot” International journal of Emerging Technologies and Innovative Research (JETIR), **UGC APPROVED** Impact Factor: 5.87, ISSN: 2349 – 5162, Volume 06, Issue 05, Page No 454- 459, May-2019.

5. “Simulink and FPGA Based Design for Image Splitting Enlargement” International journal of Emerging Technologies and Innovative Research (JETIR), **UGC APPROVED** Impact Factor: 5.87, ISSN: 2349 – 5162, Volume 06, Issue 05, Page No 116-121, May 2019.

6. “Voice and Gesture Recognition of Pick and Place Robot Using PIC Microcontroller” International journal of Emerging Technologies and Innovative Research (JETIR), **UGC APPROVED** Impact Factor: 5.87, ISSN: 2349 – 5162, Volume 06, Issue 05, Page No 613-617, May-2019.

7. “Simulink Based Real Time Image Splitting” International journal of Emerging Technologies and Innovative Research (JETIR), **UGC APPROVED** Impact Factor: 5.87, ISSN: 2349 – 5162, Volume 06, Issue 05, Page No 76-80, May-2019.

8. "IOT Based Petrol Bunk Management for Self- Operation Using RFID and Raspberry Pi" International Journal of Computational Engineering Research (IJCER), **UGC APPROVED** Impact Factor: 6.41, Volume 09, Issue 05, ISSN: 2250 – 3005, Page No 53 – 56, May-2019.

9. "Regulation of Diabetes with Robot Manager Using IOT" International journal of Science and Innovative Engineering and Technology (IJSIET), Volume 07, Issue 07, ISBN 978- 93-81288-18-4, May-2019.

10. "Robot Apprentice in Supervision of Diabetes Using Raspberry Pi" International Journal of recent Technology and Engineering (IJRTE) **SCOPOUS INDEXED**, Impact Factor: 5.92, Volume 08, Issue IC, and ISSN: 2277 – 3878, Page No 147 - 158, May-2019.

11. "IOT Based Petrol Bunk Management for Self- Operation Using RFID and Raspberry Pi" International Journal of recent Technology and Engineering (IJRTE) **SCOPOUS INDEXED**, Impact Factor: 5.92, Volume 08, Issue IC, and ISSN: 2277 – 3878, Page No 248 -251, May-2019.

12. "A Survey on QBIC System for ECG Reports" Industrial Engineering Journal (IEJ) **UGC CARE LIST**, Volume 12, Issue 12, ISSN: 2581 – 4915, Page No 1-8, December 2019.

13. "Analysis on CBIR System for ECG Reports" International Journal of Engineering and Advanced Technology (IJEAT) **UGC CARE LIST**, Volume 09, Issue 05, ISSN: 2249 – 8958, Page No586-592, June 2020.

14. "A Literature Review on Carries Detection and Classification in Dental Radiographs" International Engineering Journal (IEJ) **UGC CARE LIST**, Impact Factor: 5.92, Volume 13, Issue 06, and ISSN: 2581 – 4915, Page No 586 -592, June-2020.

15. "Myocardial Infarction Statistical Analysis Using ECG Reports" Journal of Huazhong University of Science and Technology, Volume 50, Issue 03 and ISSN 1671 – 4512, **SCOPOUS INDEXED**, March 2021.

16. "A Novel Application of FRCNN with Image Cropping for Dental Radiographs" Journal of Huazhong University of Science and Technology, Volume 50, Issue 03 and ISSN 1671 – 4512, **SCOPOUS INDEXED**, March 2021.

INTERNATIONAL CONFERENCE:09

1. "Design Of System Generator Module for a Image/Video Splitting" IEEE International

Conference (ICCSP 13) IEEE ISBN NO 978-1-4673-1620-0 (IEEE Digital Library) held at Adhiparashakti Engg college, Tamilnadu, from 3- 5 April-2013.

<p>2. “Overview of Simulink and System Generator Module for a Real Time Image Splitting and Enlarging” First International conference on information and communication engineering (ICICI-2013) conducted on 28-29 JUNE -2013.</p>
<p>3. “Grey Design Implementation of System Generator Module for Image Splitting and Enlarging” ICRAECT, IEEE international conference at SJBIT, Bengaluru, 978-1-5090-6701-5/17 \$31.00 © 2017 IEEE DOI 10.1109/ICRAECT.2017.13, from 16-17 March 2017.</p>
<p>4. “FPGA Implementation Image Splitting and Enlarging” ICRAECT, IEEE international Conference at SJBIT, Bengaluru, 978-1-5090-6701-5/17 \$31.00 © 2017 IEEE DOI 10.1109/ICRAECT.2017.14, from 16-17 March 2017.</p>
<p>5. “Regulation of Diabetes with Robot Manager Using IOT” 9th International Conference on “Recent Engineering and Technology” held on New Horizon College of Engineering, Bangalore, 5th May-2019.</p>
<p>6. “IOT Based Petrol Bunk Management for Self- Operation Using RFID and Raspberry Pi” Second International Conference on Emerging Trends in Science and Technologies for Engineering Systems held at SJC Institute of Technology, ICETSE – 2019, from 17 and 18th of May-2019.</p>
<p>7. “Robot Apprentice in Supervision of Diabetes Using Raspberry Pi” Second International Conference on Emerging Trends in Science and Technologies for Engineering Systems held at SJC Institute of Technology, ICETSE – 2019, from 17 and 18th of May-2019.</p>
<p>8. “Comparison Analysis of Feature Extraction from the ECG Reports” Online International Conference on Smart Modernistic in Electronics and Communication ICSMEC-2020”, held at St. Martin’s Engineering College, Dhulapally, Secunderabad, Telengana State on 29th and 30th JUNE-2020.</p>
<p>9. “FRCNN Algorithm Strategy with Image Cropping for Dental Radiographs” 3rd International Conference Cybernetics, Cognition and Machine Learning Applications, Goa (India) August 21-22, 2021.</p>
<p>NATIONAL CONFERENCE:04</p>
<p>1. ”Design and Implementation of Pick and Place Robot Using Voice and Gesture Recognition” National Conference on “Recent Advances in Engineering and Management” NCRAEM-18, held at Amrutha Institute of Engineering and Management Sciences, Bidadi, from 20 and 21st april-2018.</p>
<p>2. ”Automated Waste Segregator” National Conference on “Recent Advances in Engineering and Management” NCRAEM-18, held at Amrutha Institute of Engineering and Management Sciences, Bidadi, from 20 and 21st april-2018.</p>

3. “RFID and IOT Based Automated Petrol Bunk” National Conference on Communication , Signal Processing, IOT, Networking and Embedded Application NCCOSINE-2019, held at National Institute of Engineering, Mysore, from 16 and 17th May-2019.

4. “Diabetes Control With Robot Overseer Using Raspberry Pi” National Conference on Communication , Signal Processing, IOT, Networking and Embedded Application NCCOSINE-2019, held at National Institute of Engineering, Mysore, from 16 and 17th May-2019.

Resource Person

Invited College Name	Title of the Event	Date
Ekalavya Institute of Technology, Ummathur	State Level Seminar	30 th of March 2019
Bangalore Institute of Technology, Bangalore- Jury Member IEEE BIT Mini Project Competition -2021	IEEE BIT Mini Project Competition - 2021	1 st July 2021
Reviewer for 7 th International Conference on Electronics, Computing and Communication Technologies, IEEE Connect.	International Conference	09 th to 11 th July 2021
KLE Dr. M S Sheshgiri College of Engineering and Technology, Belgaum - Jury Member IEEE BIT Mini Project Competition -2021	Mini Project Competition -2021	26 st July 2021
Navkis College of Engineering - Track Chair, 2021 IEEE Mysore Subsection Flagship international Conference	2021 IEEE Mysore Subsection Flagship international Conference	24 th and 25 th October 2021

WORKSHOPS/SEMINARS/FDPs/PARTICIPATED:24

1. Participated in One day Practical Workshop on “Fundamentals of Image Processing & Application” on 25th Sep-2008 held at SJBIT, Bangalore.

2. Co-Ordinate the “Faculty Development Programme” on 5-7 March 2011 at AMCEC, Bangalore.

3. Participated in Two day Workshop on “Low Power Embedded Systems Using Texas Instruments Msp430 Microcontroller” From 21-22nd Feb-2012 held at KSIT, Bangalore.

4. Participated in Two day Workshop on “FPGA Based Signal and Image Processing Applications Development” From 07-09 February-2013 held at MS College of Engineering, Bangalore.
5. Participated one day Workshop on “Research Methodology” on February 27 2014 conduct by VTU at Senate hall, Bangalore.
6. Participated in two day Workshop on “Advanced Reconfigurable FPGA architectures for Research and Industrial Applications” From 24-26nd November-2016, held at PESIT Bangalore.
7. Participated in twenty one days “Technology Based Entrepreneurship Development Program” From 17th November -22nd December-2017, held at AIEMS-Bidadi.
8. Participated in “Jnana Vijnana Tantrajana Meala” From 19- 20th February-2018, held at Sri Kshetra Adichunchanagiri.
9. Participated in Six days Faculty Development Programme on “Embedded Controller Programming with Arm Cortex –M3” From 29th January 2018 to 03rd February 2018, held at BGS Institute of Technology, B G Nagara.
10. Participated in four days VGST Faculty Development Programme on “Real Time Multi core Design Engineering in the Field of Communication” From 21-24th of March-2018, held at Vidya Vikas Institute of Technology, Mysuru.
11. Organized Four day VGST Faculty Development Programme on “Emerging Innovative Approaches in VLSI, Communication and Network Systems” From 10-13th of April 2018, held at BGS Institute of Technology, B G Nagara .

12. Participated in one day Workshop on “101 Ways of Improving Employability for UG Students” on 13th October-2018, held at VTU Center for Post Graduate Studies, Mysuru.
13. Participated in five days Workshop on “Machine Learning Crash Course (MLCC)” from 15 to 19th of December-2018, held at BGSIT, Adichunchanagiri University, B G Nagara.
14. Participated in one day Training Programme on “Management of Intellectual Property” on 21th June 2019, held at BGS Institute of Technology, B G Nagara.
15. Participated in AICTE- VTU Jointly Organized five days Training Programme for Teachers on “Effective Teaching Techniques in Digital Signal Processing” from 26 to 30th of August-2019, held at VTU Centre for Post Graduate Studies, Muddenahalli, Chickaballapur.

16. Participated in six days Faculty Development Programme on “Machine Learning and its Applications” Organized by Department of CSE and ISE in Association with CSI, student branch, Mysore chapter from 22nd January to 27th January 2020, held at BGS Institute of Technology, B G Nagara.
17. Participated in one day “IEEE Faculty Conclave” Organized by IEEE Bangalore section at NIE Institute of Technology, Mysore on 29 th February 2020.
18. Participated in five days Faculty Development Programme on “Image and Video Processing Techniques Using Python Programming” From 15-19th of June-2020, held at New Horizon College of Engineering, Bengaluru.
19. Participated in three days Faculty Development Programme on “Digital Era of Teaching” From 11-13th of May-2020, Conducted by Diksoochi, Mysore.
20. Participated in Seven days Student Skill Enhancement Programme on “Python for Data Science” From 18-25th of April-2020, Conducted by Forsk Coding School.
21. Participated in Five days Online Faculty Development Programme on “Advances in Artificial Intelligence, Machine Learning and Robotics” From 06-10th of July-2020, Conducted by Vidyavardhaka College of Engineering, Mysore.
22. Participated in Six days Online Faculty Development Programme on “Advances in Signal Processing and Wireless Communication” From 24-29th of August-2020, Conducted by Rajeev Institute of Technology, Hassan.
23. Participated in Five days Online Short Term Training Programme on “MATLAB for Scientific Research” From 01-05th of September-2020, Conducted by Research Culture Society.
24. Participated in AICTE sponsored six days Online Short Term Training Programme on “Applications of NI LABVIEW-Phase-1” From 07-12th of December-2020, Conducted by Nagarjuna College of Engineering and Technology, Bengaluru.
25. Participated in AICTE sponsored six days Online Short Term Training Programme on “Industry.4” From 07-12th of December-2020, Conducted by ACS College of Engineering, Bengaluru.
26. Participated in Five days National Level Workshop on “Academic and Research Writing” From 25 th to 31th March -2021, Conducted by ATME College of Engineering, Mysuru.
27. Participated in Five days FDP on “Advances of Artificial Intelligence and Machine Learning in Societal Development” From 16 th to 20th August -2021, conducted by AICTE Training and Learning (ATAL) Academy.
ONLINE COURSES

Course Title	Course Organization	Year
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1. Analog Circuits	NPTEL	March 2019
2. Microprocessor and Microcontroller	NPTEL	April 2019
3. Digital Image Processing	NPTEL	October 2019
4. Transparency and Accountability for Robots and Artificial Intelligence Systems	IEEE Continuing Education	March 2020
5. How to Enhance SOC Efficiency for the AWS Cloud	IEEE Continuing Education	March 2021

Ph.D Awarded -

Ph.D Guiding - 04

PATENTS

1. A Single Window Documentation Procedure for Multiple Assessment and Appraisal Requirements. (Paper Got Published).
2. CBIR System for ECG Reports Using Data Analytics. (Patent Filed).
3. Methods for Detection and Localization of Dental Caries Using Deep Learning Techniques. (Patent Filed).
4. Method for Lung Cancer Detection Using Deep Learning Techniques. (Patent Filed).
5. Method of Auto Tuning PID Controller Using Evolutionary Computational Techniques. (Patent Filed).