

## FACULTY PROFILE

1. Name : Dr. Murthi Mahadeva Naik G  
2. Date of Birth : 08-05-1972  
3. Highest Qualifications : Ph.D.



4. Academic Performance :  
(High School to Highest Qualifications.)

Qualifications	Board / University	Institute and place where studied	Year of passing
SSLC	Karnataka Board	R.G.N.R High School, Rampura Davangere – Distt.	1988
PUC / 10+2	PU Board	M.N Pre-University College, Davangere	1991
B.E.	Mysore University	Malnad College of Engineering, Hassan	1997
M.Tech.	V.T.U	Malnad College of Engineering, Hassan	2002
Ph.D	Mysore University	Dept. of Electronics, P.G Center. Hassan	2019

5. Date of Joining : 29-08-2005  
6. Status as on date of Joining : Asst. Professor  
7. Present Status : Associate. Professor  
8. Salary as on date : Rs.147900 + 45849 + 11832 =205581/-  
(Basic+DA+HRA)  
9. Number of promotions since date of joining : 01

### 10. Achievements since date of joining:

FD	R&D	No. of Publication	Teaching Award	Books / Monograph	Conference Seminars	Extra curricular activities	Admin.
22	Guiding 2 Ph.d students	32	2	04	12	10	1

- Qualified in GATE-2000
- Qualified in GATE-1999

11. P.h.D from University of Mysore under the guidance of Dr. Naveen Kumar, Professor, Dept. of Electronics, Mangalore University, and Mangalore.

- **Research Title:**

“Design and Performance analysis of Microstrip Patch Antenna using DGS and DMS Technique”

## **12. Faculty development Program / Workshop attended**

1. AICTE sponsored one-week short term training program (STTP) on “Creating Smart and Green Society through Advance Technology of Green Energy” organized by Malnad College of Engineering, Hassan, held during 17<sup>th</sup> to 22<sup>nd</sup> December 2020. (Phase-II)
2. AICTE sponsored one-week short term training program (STTP) on “Creating Smart and Green Society through Advance Technology of Green Energy” organized by Malnad College of Engineering, Hassan, held during 10<sup>th</sup> to 15<sup>th</sup> December 2020. (Phase-I)
3. AICTE Sponsored Two weeks Faculty Development Program on “Machine Learning Artificial intelligence in Image processing using MATLAB and Xilinx System Generator for DSP” organized by Department of Electronics and communication Engineering, Kalpataru Institute of Technology, Tiptur, from 22<sup>nd</sup> July to 3<sup>rd</sup> August 2019.
4. One week Faculty Development Program on “MEMS and MOEMS” organized by Department of Electronics and communication Engineering, Malnad College of Engineering, from 30<sup>th</sup> April to 4<sup>th</sup> May 2018, Under TEQIP-III.
5. AICTE Sponsored Two weeks Faculty Development Program on “Advances in Image processing and computer vision applications using Python and Open CV” organized by Department of Electronics and communication Engineering, Kalpataru Institute of Technology, Tiptur, from 11<sup>th</sup> to 23<sup>rd</sup> December 2017.
6. Two days workshop on “Internet of things for Real time Applications” organized by Dept. of Electronics and Communication Engg., in association with EDULIFE INDIA-Bangalore on 13<sup>th</sup> and 14<sup>th</sup> March 2017, at Malnad College of Engineering. Under TEQIP-II.
7. One week Continuing Education & Quality Improvement Programmes (CE & QIP) on “End to End Innovation” conducted for Malnad College of Engineering, Hassan under TEQIP-II by IIT Bombay during March 07-11, 2017.
8. AICTE Sponsored Two weeks Faculty Development Program on “Formulation, Modeling and Practical Applications of Operation Research (FMPAOR - 2015), organized by Department of Mechanical Engineering, MCE, Hassan, from 25<sup>th</sup> May to 6<sup>th</sup> June 2015.
9. One week Management Development Program on “Academic Leadership Program for TEQIP Institutions” Conducted by Indian Institute of Management, Kozhikode, from 20<sup>th</sup> to 25<sup>th</sup> July 2015.

10. One-week hands on training on "Practical Electromagnetics for Modern Antennas, RF and Microwave Designs" Conducted by ENTUPLE technologies pvt. Ltd., Bangalore. 18<sup>th</sup> to 22<sup>nd</sup> Aug 2014
11. One day workshop on "India's Achievement in Space Technologies and Social Development in Technical Education" conducted by Dept. of E&C, MCE, Hassan` on 16<sup>th</sup> October 2014.
12. One week workshop on "Mission 10X" conducted by Wipro Technologies in MCE, Hassan from 11<sup>th</sup> to 15<sup>th</sup> November 2008.
13. Two days workshop on "Emerging trends in Optical Communication and Optical engineering" conducted by MCE, Hassan` during 3<sup>rd</sup> and 4<sup>th</sup> June 2013.
14. One-week Industrial hands-on training on "Computational Electromagnetic for Antenna Designs" conducted by Silicon Micro systems from 10-15<sup>th</sup> July 2013
15. Three days' workshop on "Driving program educational objectives/program outcomes/course outcomes/Assessments for NBA self-assessment report" under TEQIP-II held from 11-13<sup>th</sup> July 2013
16. One day workshop on "Hands on experience in Antenna Design using ANSYS HFSS" conducted by Dept. of Electronics and Communication held on 28<sup>th</sup> October 2014.
17. One day workshop on "Mind ur Mind" conducted by MCE, Hassan under TEQIP-I on 23 March, 2013.
18. One week "yogasana – Pranayama Camp" conducted by MCE staff club and MCE staff welfare Association from 4<sup>th</sup> to 8<sup>th</sup> March 2013
19. One day workshop on "Mathematical Applications in Engineering-2007" conducted by Bapuji Institute of Engineering and Technology, Davangere on 27<sup>th</sup> October 2007
20. One day Symposium on "Trends in Pattern Recognition" conducted by MCE, Hassan under TEQIP-I on 22<sup>nd</sup> April, 2006
21. Two days' workshop on "Professional Values & Ethics", conducted by MCE, Hassan` during 8 and 9<sup>th</sup> April 2006.
22. Two days symposium on "Recent Trends in Communication Engineering". Conducted by MCE, Hassan during 12<sup>th</sup> and 13<sup>th</sup> September 2005.

### **13. Workshop Conducted**

1. Two days workshop on "Recent Trends in Antenna Research & Communication Technology" held on 6<sup>th</sup> & 7<sup>th</sup> April 2015, under TEQIP-II
2. One day workshop on "Antenna Design using ANSYS HFSS EM Simulator" held on 25<sup>th</sup> March 2017, Under TEQIP - II
3. One day workshop on "Hands on experience in Antenna Design using ANSYS HFSS" held on 28<sup>th</sup> October 2014
4. Two days workshop on "Recent Advances in Mechatronics Engineering and its Applications" held on May 30<sup>th</sup> and 31<sup>st</sup>, 2013

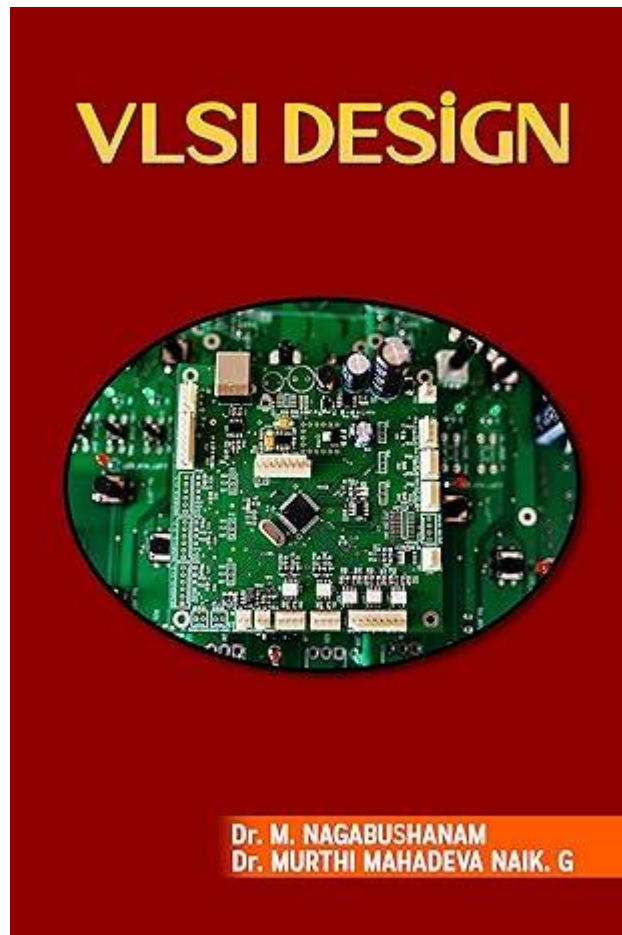
5. One day workshop on Digital communication techniques” conducted on 7<sup>th</sup> October 2006 with the assistance of TEQIP-I.

#### 14. Industrial Training Program

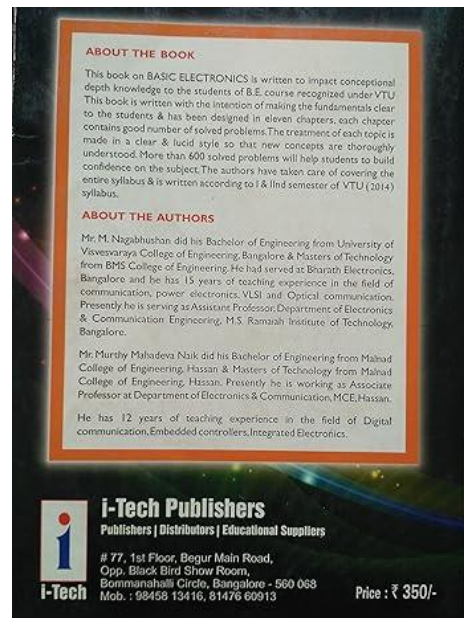
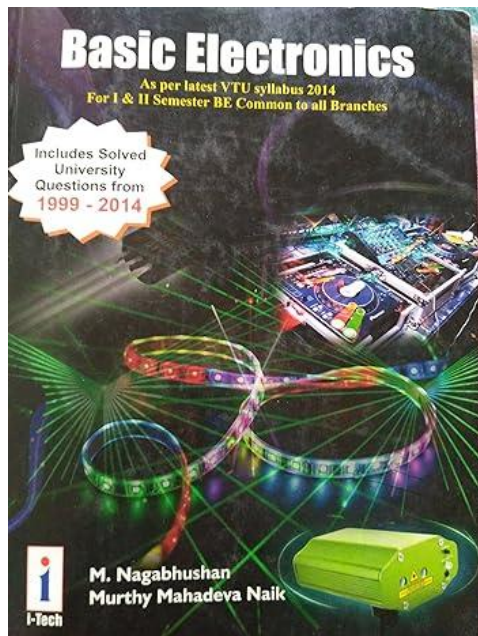
1. Two weeks Industrial Training Program on “**Satellite Technologies and Applications**” from 9<sup>th</sup> May 2022 to 20<sup>th</sup> May 2022. Organized by Master Control Facility, Hassan.

#### 15. Books Published

- 1 VLSI Design, Sankalp publication, 2022.  
Website Link: VLSI Design <https://amzn.in/d/a1FHJMg>



- 2 Basic Electronics Revised edition Basic Electronics, I - TECH Publication, Bangalore. Fourth Edition, 2016.



Website Link: Basic electronics, M. Nagabhushan:

<https://amzn.in/d/8rOGr4n>

- 3 Basic Electronics Revised edition Basic Electronics, Star Tech Publication, Bangalore. Third Edition, 2014.
- 4 Basic Electronics Revised edition Basic Electronics, Star Tech Publication, Bangalore. Second Edition, 2011.
- 5 Basic Electronics, Star Tech Publication, Bangalore. First Edition, 2006.

## 16. Paper publication

1. SAHANA R S and **MURTHI MAHADEVA NAIK G**, “Dual Polarized Rectangular Microstrip Patch Antenna for 5G Wireless Application”, International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 08 Issue: 06 | June 2021 www.irjet.net p-ISSN: 2395-0072, pp 3060-3063
2. Pallavi H.V, **Murthi Mahadeva Naik G**, A.P. Jagadeesh Chandra, Paramesha “Enhancement of Radiation characteristics in a planar Microstrip patch Antenna using Defected Ground Structure”, *Turkish Journal of Computer and Mathematics Education Vol.12 No.12 (May 2021), ISSN 1309-4653. pp3157-3166*
3. **Murthi Mahadeva Naik G**, Sharth J and Naveen Kumar S K, “Enrichment of Return loss Characteristic of a Rectangular Microstrip Patch Antenna with Defected Structures for 5G wireless Applications” International Journal for Research in Engineering Application & Management (IJREAM), IJREAMV0510351037, June 2019, Volume 5, Issue 3 www.ijream.org (ISSN-2454-9150) pp58-63, DOI: 10.35291/2454-9150.2019.0170

4. **Murthi Mahadeva Naik G**, Geetha B S and Naveen Kumar S K, “Bandwidth Enhancement using Two Dumble shaped Defected ground Structures and a strip of Gold on feed in a Rectangular Microstrip Patch Antenna for WLAN application” International Journal for Research in Engineering Application & Management (IJREAM), IJREAMV0510351143, June 2019, Volume 5, Issue 3 www.ijream.org (ISSN-2454-9150) pp335-341, DOI: 10.35291/2454-9150.2019.0223.
5. **Murthi Mahadeva Naik G** and Naveen Kumar S K, “Enancement of Bandwidth in a probe-Fed rectangular Microstrip Patch Antenna using I-shaped Defected ground Structure for wireless application” Journal of Emerging Technologies and Innovative Research (JETIR) **JETIR1807907** © 2018 JETIR September 2018, Volume 5, Issue 9 www.jetir.org (ISSN-2349-5162) pp416-423, <http://doi.one/10.1729/Journal.18305>
6. **Murthi Mahadeva Naik G** and Naveen Kumar S K, “The modal conversion in coaxial probe fed Rectangular Microstrip Patch Antenna using DGS and DMS techniques for Hex band applications” Journal of Emerging Technologies and Innovative Research (JETIR) **JETIR1904P37** © 2019 JETIR April 2019, Volume 6, Issue 4 www.jetir.org (ISSN-2349-5162) pp416-423.
7. **Murthi Mahadeva Naik G** and Naveen Kumar S K, “Design and Implementation of Microstrip Fed E-shaped Defected Microstrip Surface Printed Monopole Antenna for Ultra Wideband Applications” Journal of Emerging Technologies and Innovative Research (JETIR) **JETIR1812A57** © 2018 JETIR December 2018, Volume 5, Issue 12 www.jetir.org (ISSN-2349-5162) pp423-431.
8. **Murthi Mahadeva Naik G** and Naveen Kumar S K, “Suppression of Cross Polarized Radiation in a Probe Fed Microstrip Patch Antenna using DGS and DMS Technique of for Wi-Max Application” Jour of Adv Research in Dynamical & Control Systems, Vol. 10, pp 2190-2201, ISSN: 1943-023X, [www.jardcs.org](http://www.jardcs.org), 09-Special Issue, 2018.
9. **Murthi Mahadeva Naik G**, Naveen Kumar S K, Meghavarshini S K, Soujanya N S.. “Improved Isolation in a Rectangular Microstrip Patch Antenna with defected Ground Plane and Patch using coaxial probe fed for wireless LAN Application” Journal of Emerging Technologies and Innovative Research (JETIR) **JETIR1807907** © 2018 JETIR June 2018, Volume 5, Issue 7 www.jetir.org (ISSN-2349-5162) pp61-69.
10. **Murthi Mahadeva Naik G**, Naveen Kumar S K, Kavya H N. “Cross polarization reduction in a Probe-fed Microstrip Patch Antenna using Symmetric Rectangular DGS slots for L and part of S band Application” Journal of Emerging Technologies and Innovative Research (JETIR)

11. B.S Shreya, Sharanya Basavaraj, Soujanya H P, Uzma Sheerin, **Murthi Mahadeva Naik**, Dr. B R Sujatha, Khuba S K, “Satellite Signal Spectrum Monitoring System”. In proceedings of National Conference on Emerging Trends in Wireless Communication and Signal Processing (NCETWCSP-2017) NMAM Institute of Technology, Nitte, 17-18 March 2017.
12. **Murthi Mahadeva Naik G.**, Halappa R Gajera and Dr. Naveen Kumar S.K “The E-Shaped Patch to Enhance the Bandwidth of Printed Monopole Antenna for UWB” International Conference on Antenna Innovation & Modern Technology for Ground, Aircraft & Satellite Applications(iAIM) 978-1-5386-0646-9/17/\$31.00 ©2017 IEEE. iAIM-2017, 24-26 November 2017, Sterlings MAC Hotel, Bangalore.
13. **Murthi Mahadeva Naik G.**, Halappa R Gajera and Dr. Naveen Kumar S.K “The Modal conversion in Quarter wave Transformer fed Rectangular using DMS Technique for Dual band Applications” IEEE International Symposium on Antenna and Propagation APSYM 2016, pp116-118 Kochi, Kerala.
14. **Murthi Mahadeva Naik G.**, Audre Arlene and Dr. Naveen Kumar S.K. “Slotted UWB Antenna for Bandwidth and Gain Enhancement” International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395 -0056 Volume: 03 Issue: 07 pp 232-235 July-2016 www.irjet.net p-ISSN: 2395-0072.
15. **Mr. Murthi Mahadeva Naik G**, Ms. Audre Arlene A, Dr. Naveen Kumar S K “MSP Antenna for RADAR with Bandwidth and Gain Enhancement” International Journal of Engineering Research And Management (IJERM) ISSN : 2349- 2058, Volume-03, Issue-06, pp 1-4 June 2016.
16. **Mr. Murthi Mahadeva Naik G.**, Maheshwari B and Dr. Naveen Kumar S K “Proximity Fed Antenna with Partial Ground Structure for Wide band Applications” International Journal of Engineering Research And Management (IJERM), ISSN : 2349- 2058, Volume-03, Issue-05, pp 174-176 May 2016.
17. Mrs. Sreedevi P, **Mr. Murthi Mahadeva Naik G** and Keerthi D S “A comparative analysis of HWMP and AODV for VoIP in IEEE 802.11s Network” National Level Conference Technical Fest – FIESTA 2016, organized by ISTE, Bahubali College of Engineering, Sravanabelagola, ISRASEEExplore Digital Library, 30<sup>th</sup> April 2016.
18. **Mr. Murthi Mahadeva Naik G.**, Mahalingappa V and Dr. Naveen Kumar S.K. “An UWB Antenna for WiMAX and WLAN Applications with Dual Notch – Bands” International Journal of Engineering Research And

Management (IJERM), ISSN : 2349- 2058, Volume-03, Issue-06, pp 1-3  
June 2016.

19. **Mr. Murthi Mahadeva Naik G.**, Dr. Naveen Kumar S.K and Sangeetha B L “Design and simulation of Microstrip Fed Antenna with circular DGS for Ku – band Applications” i3CN, 8<sup>th</sup> May 2015, CIT, Ponnampet, South kodagu, Karnataka.
20. **Mr. Murthi Mahadeva Naik G.**, Dr. Naveen Kumar S.K and Sangeetha B L “Design and Performance H – Shaped DRA with dumbbell shaped DGS for wide band Applications” International Journal of Emerging Technology and Advanced Engineering, Website: www.ijetae.com (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 5, Issue 7, pp79-83 July 2015).
21. **Mr. Murthi Mahadeva Naik G.**, Dr. Naveen Kumar S.K and Sangeetha B L “Design and Performance enhancement of Microstrip DGS patch Antenna for the frequency band 10.65 GHz to 15.15 GHz” NCMTCS-2015, Malnad College of Engineering, Hassan. 8<sup>th</sup> and 9<sup>th</sup> May 2015.
22. **Mr. Murthi Mahadeva Naik G.**, Dr. Naveen Kumar S K, Audre Arlene A and Mahalingappa V “MSP Antenna for Radiolocation Systems with Bandwidth and Gain Enhancement” National level students Technical paper symposium, Organized by ISTE, HMSIT, Tumkur 2015.
23. **Mr. Murthi Mahadeva Naik G** Dr. Naveen Kumar S K Harshavardhan C “Design and analysis of UWB circular Microstrip patch Antenna with U - slot to eliminate resonance of WLAN band using DGS” ISRASEEExplore Digital Library, ICCSEEE-2015, 24<sup>th</sup> and 25<sup>th</sup> May 2015.
24. **Mr. Murthi Maghadeva Naik G** Dr.Naveen Kumar S K Bhavya B P “Performance Analysis of Microstrip Patch Antenna using coaxial Probe feed Technique” **International Journal of Technical Research and Applications** e-ISSN: 2320-8163, www.ijtra.com Volume 3, Issue 3 (May-June 2015), PP. 365-367.
25. Mr. Tanveerkhan guttal, **Mr. Murthi Mahadeva Naik.G** “Automatic detection of retinal optic disc by means of PCA and mathematical morphology” IJECERD Vol 4, No 2, April-june 2014.
26. Halappa R. Gajera, Mr. Devaraja Naik, **Mr. Murthi Mahadeva Naik.G**, Anoop C N “Design and Analysis of MPA by TLM Model Using Matlab As well As EM Simulator for Wireless Application” 7<sup>th</sup> IETE conference on RF and wireless Icon RFW-14 at Bangalore on 9<sup>th</sup> and 10<sup>th</sup> may 2014.
27. Mr. Devaraja Naik, **Mr. Murthi Mahadeva Naik.G**, Dr. Naveen kumar “An Approach To Design Rectangular Microstrip Pathch Antenna In S Band By TLM Model” International Journal of Electronics and Communication Engineering Research and Development, (IJECERD),



ISSN 2248-9525(Print), ISSN- 2248-9533 (Online) Volume 4, Number 2, April-June (2014).

28. Miss. Ambili T V, **Mr.Murthi Mahadeva Naik.G**, “A secure based Digital text passing system using Wavelet and contourlet transfer” ICMF, Thrissur 2013.
29. Miss. Shilpa A P, **Mr.Murthi Mahadeva Naik.G**, “Efficient Route discovery process using DEMPSTER Trust Method” ICICE Bangalore organized by Dr.AIT, Bangalore.
30. Mr. Puneeth Kumar G B, **Mr.Murthi Mahadeva Naik.G** “A new data hiding method using Adaptive Pixel pair matching” NCACA 2013 organized by Dept. of MCA, SSIT, Tumkur.
31. Mr. Paramesha A S, **Mr. Murthi Mahadeva Naik. G**, Department of E&C Engineering Malnad College of Engineering, Hassan, Karnataka, India, “Node to Node Forwarding Routing Protocol for Real-Time Applications In Athlete Mobility WSN”, ICCTEM June 2012.
32. Mr. Bharathkumar, **Mr. Murthi Mahadeva Naik. G**, “Architecture for Node-level congestion in WSN using rate optimization” IOSR Journal of Engineering, Vol 2 Issue 6 (june 2012).
33. Archana S. P, Nandini R, Pushpitha B K, Ravi Kumar M D, **Mr. Murthi Mahadeva Naik.G**, Halappa R. Gajera, Anoop C N, “The Microstrip Fed Rectangular Microstrip Patch Antenna (RMPA) with Defected Ground Plane for HIPERLAN/1”, IJECT Vol.2, Issue 3, Sept.2011

## 17. Achievements

1. **Best Project Award** for the title “Mobile Autonomous Robot for Surveillance”. Academic year 2014 – 15.
2. **Golden AIM Awards** for Excellence & Leadership in Education on 7th August 2020 "Quality Education Leadership Award".

## 18. Professional Body Membership

- Life Member of ISTE
- IEEE
- Member of state Govt. Teacher association
- Member of Kannada Sahithya Parishath

## 19. Additional Responsibilities

- Served as Chairman, Board of Examiners (BOE), Dept. E & C, MCE, Hassan from May 2021 to April 2024.
- MCE IEEE Advisor COMSOC.
- Coordinator of Exam

- Member of anti ragging committee 2006 to 2019 (First year admitted students)
- Member, MCE Staff club, MCE, Hassan.
- Member, MCE Staff Welfare, MCE, Hassan
- Dept. convener from 2011 to 2012
- BOE member, Dept. of Electronics Mysore University
- BOE member, Dept. of Electronics Mangalore University
- BOE member, Dept. of Electronics and Communication, MCE Hassan
- BOS member, Dept. of Electronics and Communication, MCE Hassan
- CDC member, MCE Hassan
- ECO-Club Convener, MCE Hassan
- PG Coordinator from 2014 to 2017, Dept. of Electronics and Communication, MCE Hassan
- Faculty Advisor 2007-08 and 2012-13 Admitted Batch
- Coordinator for HFSS Software
- Chairman ISTE Student/Faculty chapter
- Dean(SA) from June 2020 to August 2020

## **20. Strategic Plan for next coming years:**

- Revise curriculum to incorporate project-based learning, experiential activities, and emerging technologies.
- Ensure access to resources and training programs aimed at improving teaching efficacy and fostering active student participation.
- Increase student retention and graduation rates through comprehensive support services and personalized mentoring.
- Collaborate effectively with other professionals
- Expand research efforts by publishing papers in key areas of engineering, focusing on emerging technologies and societal needs.

## **21. Major Strengths:**

- Dedicated, have passion and energy towards the profession
- Focus on growth
- Patient

- Empathetic
- Comfortable with adapting quickly
- Problem solver
- Good at building relationship
- Team-oriented person
- Desire to learn more
- Ability to maintain discipline in the classes

**(Murthi Mahadeva Naik. G)**