




P.E.S. College of Engineering, Mandya - 571401

(An Autonomous Institution, affiliated to VTU, Belagavi)

Faculty Profile

General

Name	Dr. Mahesh Gowda N M	
Designation,	Associate Professor	
Department & Affiliated Institution	Department of Electronic and Communication Engineering PES College of Engineering, Mandya – 571 401	
Research Area	Power Electronic, Embedded Systems	
Contact Number	9886228951	
Email ID	nmmaheshg2013@gmail.com	

Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
Ph. D	PET Research Foundation, PES College of Engineering, Mandya	University of Mysore, Mysore	2017	Awarded	
M.Tech	National Institute of Engineering, Mysore	VTU, Belgaum	2004	77.15%	FCD
BE	UBDT College of Engineering, Davangere	Kuvempu, Shimoga	1999	66.32 %	First

Professional Experience

Organization and Department	Designation	Period	Total Experience
PES College of Engineering, Mandya, Dept of ECE	Lecturer	2001-2002	01
SKIT, Bangalore, Dept of ECE	Lecturer	2004-2008	04
PES College of Engineering, Mandya, Dept of ECE	Assistant Professor	2008 – March 2021	13
PES College of Engineering, Mandya, Dept of ECE	Associate Professor	March 2021 – till date	

Reports on Academic and Research Activities

Academic Activities

Teaching Records (Details of courses taught)	<u>Undergraduate:</u> Linear Integrated Circuit, Power Electronics, Analog Electronic circuits, Basic Electronics, Microcontroller, Analog Communication, Embedded System Design, ARM Processor, Programming in C++, Analog Electronic Circuits Lab, Linear Integrated Circuit Lab, Microcontroller Lab, Power Electronics Lab, Basic Communication Lab etc. Guiding UG and PG Projects.
--	--

Research Guidance (Candidates Awarded / Pursuing Ph.D / M.Sc., Engg./ M.Phil)

Degree	Ph. D.	M.Sc., Engg.	M.Phil
Awarded	Nil	Nil	Nil
Pursuing	Nil	Nil	Nil

Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
Nil	Nil	Nil	Nil

Research Publications in Refereed Journals and Conferences/Symposia

Number of Publications in	National	International
Journals	02	13
Conferences/Symposia	09	02

Other Important Responsibilities Held in the College

- | | |
|---|---|
| 1. Dept My-Gurukul software coordinator | 4. BoS - Member |
| 2. Dept NPTEL coordinator | 5. Dept Research Coordinator |
| 3. BoE – Member and Chairman | 6. Involved in accreditation (NBA) work |

LIST OF PUBLICATION

- [J1] Mahesh Gowda N M and Dr. S S Parthasarathy. (2013), “*Reviewing Potentials Aspects of DC-DC Controllers: A Study*”, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 2, Issue 7, pp. 2082 – 2090.
- [J2] Mahesh Gowda N M and Dr. S S Parthasarathy. (2014), “*Study of VMC, CMC and SM Control of Buck Converter*”, International Journal of Advanced Research in Computer Science and Electronics Engineering (IJARCSEE), ISSN: 2277 – 9043, Volume 3, Issue 1, pp. 39 -44.
- [J3] Mahesh Gowda N M, Yadu Kiran and Dr. S S Parthasarathy. (2014), “*Modelling of Buck DC-DC Converter Using Simulink*”, International Journal of Innovative Research in Science, Engineering and Technology, ISSN: 2319-8753, Vol. 3, Issue 7, pp. 14965 – 14975.
- [J4] Mahesh Gowda N M and Dr. S S Parthasarathy. (2015), “*Two Phase Bidirectional DC-DC Switching Converter With Coupled Inductor*”, International Journal of Electrical and Electronics Research, ISSN 2348-6988, Vol. 3, Issue 2, pp. 468-475.
- [J5] Mahesh Gowda N M and Dr. S S Parthasarathy. (2016), “*Optimization of Synchronous Non-Isolated Bidirectional DC-DC Switching Power Converter*”, Asian Journal of Electrical Sciences, ISSN: 2249- 6297, Vol.5, No.2, pp. 33-43.
- [J6] Prajwala C and Mahesh Gowda N M. (2017), “*Detection of Forest Fire and Avoiding Deforestation Using RFID and IoT*”, International Journal of Engineering, Basic sciences, Management & Social studies, Volume 1, Issue 1, pp. 623-626.
- [J7] Dr. Mahesh Gowda N M and Dr. S S Parthasarathy. (2018), “*Selection of Inductor and Snubber Capacitor to Optimize the Size and Efficiency of DC-DC Switching Power Converter*”, Asian Journal of Engineering and Applied Technology, ISSN: 2249-068X, Vol. 7, No. 1, pp.49-52.
- [J8] Dr. Mahesh Gowda N M. (2019), “*Efficiency of Buck DC-DC Switching Power Converter in CCM and SDCM of Operation*”, International Journal on Emerging Technologies, ISSN: 2249 – 3255, Vol. 10, No. 4, pp. 354 – 358.
- [J9] Sindhu j and N M Mahesh Gowda. (2020), “*AXI2OCP Bridge Verification*”, International Journal for Research in Applied Science & Engineering Technology, ISSN: 2621-9653, Vol. 8, Issue: 7, pp.1025–1040, DOI: <https://doi.org/10.22214/ijraset.2020.30399>.
- [J10] Dr. Mahesh Gowda N M. (2020), “*Boost DC-DC switching power converter in FCCM and CCM of operation and its efficiency performance*”, Journal of Seybold Report, ISSN: 1533-9211, Vol. 15, Issue: 7, pp. 1056 – 1062.
- [J11] Dr. Mahesh Gowda N M, “*Attainment of Efficiency in Bidirectional DC-DC Switching Power Converter with SDCM and CCM of Operation*”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, ISSN: 2278-8875, Vol. 11, Issue: 1, pp. 170 – 177, Jan 2022
- [J12] Sona S and Dr. N M Mahesh Gowda, “*Design and Verification of UART Communication Controller Using VHDL*”, International Journal of Innovative Research in Science Engineering, and Technology (IJIRSET), ISSN: 2319-8753, Vol. 11, Issue: 7, pp. 10065-10070, July 2022
- [J13] Dr. N M Mahesh Gowda, “*Efficiency of DC-DC switching power converter in CCM and SDCM of operation*”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), ISSN: 2278-8875, Vol. 12, Issue: 1, pp. 83 – 91, January-2023.
- [J14] Dr. Mahesh Gowda N M, Rajeshwari Machra, Ramesh L, Sanjana N and Shreyas Dhanu, “*Sugarcane Disease Recognition Using Deep Learning*”, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), ISSN: 2581-9429, Vol. 3, Issue: 1, pp. 46 – 53, July-2023
- [J15] Dr Mahesh Gowda N M, Sindhu V, Sushmitha S, T Rukmini , and Varshini M C, “*Medication Of Genes Using DNA Sequence With Machine Learning*”, International Journal of Science, Engineering and Technology, ISSN: 2348-4098, Vol. 11, Issue: 3, pp. 1- 6, 2023

Conferences

[C1] Mahesh Gowda N M and Dr. S S Parthasarathy, “*Optimization of Synchronous Buck-Boost DC-DC Switching Converter*”, in Proc. IEEE International Conference On Recent Trends In Electronics, Information and Communication Technology, 978-1-5090-0774-5/16/\$31.00 © 2016, DOI: [10.1109/RTEICT.2016.7807841](https://doi.org/10.1109/RTEICT.2016.7807841), IEEE, Vol.1, Issue 1, pp. 353 -359, May 2016, Sri Venkateshwara College of Engineering, Bangalore, India.

[C2] Prajwala C and Mahesh Gowda N M, “*Detection of Forest Fire and Avoiding Deforestation Using RFID and IoT*”, 4th National Conference NCETEC-2017, 2017, BGS Institute of Technology, BG Nagara, Mandya, Karnataka, India

[C3] Dr. Mahesh Gowda N M, “*FCCM and CCM of operation in Boost DC-DC switching power converter and its efficiency performance*”, in Proc. Global Conference on Advanced Smart and Sustainable Technologies in Engineering (GCASSTE-2020), January 2020, Mangalore Institute of Technology & Engineering (MITE), Moodabidri, India