

Faculty Information

Sl. No.	Information														
1.	Name: Contact address: Phone Number: E-mail ID:	Mr. Bharath Y. K. Assistant Professor, Department of E&E Engineering, MCE +91 9035118116 ykb@mcehassan.ac.in													
2.	Qualification:	M.Tech (Gold medal)													
3.	Date of Joining:	11.09.2019													
4.	Position held:	Present designation: Assistant Professor													
5.	Research Interest:	Active Noise Control Renewable Energy Systems in Electric Vehicle Technology Power Electronic Drive Control													
6.	Publications:	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">International Journals</th> <th style="text-align: center;">National Journals</th> <th style="text-align: center;">International Conferences</th> <th style="text-align: center;">National Conferences</th> <th style="text-align: center;">TOTAL</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">-</td> <td style="text-align: center;">8</td> <td style="text-align: center;">-</td> <td style="text-align: center;">10</td> </tr> </tbody> </table>				International Journals	National Journals	International Conferences	National Conferences	TOTAL	2	-	8	-	10
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<p>• International Conferences</p> <ol style="list-style-type: none"> 1. Bharath Y.K., Shruthi K.H., Dhavala R.K., “Peltier Thermo-Electric Generator based Standalone Micro-Power Supply System”, IEEE seventh International Conference on Electrical Energy Systems (IEEE-EES), 11-13 Feb, 2021. 2. Balachandra R Jogi, Bharath Y.K., Anil A Kadle, “A DC-DC Buck Converter for Standalone Solar DC Microgrid System using Perturb and Observe MPPT Algorithm”, IEEE Global Conference for Advancement in Technology (IEEE-GCAT), 18-20 October, 2019. 3. Amruta K.N., Bharath Y.K., Jayanthi J, “Aircraft Engine Fuel Flow Parameter Prediction and Health Monitoring System”, IEEE fourth International Conference on Recent Trends on Electronics, Information, Communication & Technology (IEEE-RTEICT 2019), 17-18 May, 2019. 4. Adithya Vyas, Radha R, Bharath Y.K., “Development of Electrical Fence Energizer for a Farm Fencing System”, IEEE fourth International Conference for Convergence in Technology (IEEE-I2CT 2018), 27-28 Oct, 2018. 5. Sindhu S., Bharath Y.K., “A Multilevel Inverter Topology for Driving a Single Phase Induction Motor”, IEEE fourth International Conference for Convergence in Technology (IEEE-I2CT 2018), 27-28 Oct, 2018. 6. Bharath Y.K., Chitrlekha G, Veena S, Lokesha H, Nagalakshmi K.V, Dilna U, “Robust Active Noise Control System for Fighter Aircraft Pilot Helmet Application”, International Multi Conference on Information Processing, Procedia Computer Science, Elsevier, Vol. 89C, pp 690-699, 19-21 Aug 2016. 															

		<p>7. Bharath Y.K., Veena S, Nagalakshmi K.V, Manjunath Darshan, Rohini Nagapadma, “Development of Robust VAD Schemes for Voice Operated Switch Application in Aircrafts”, IEEE second International Conference on Applied and Theoretical Computing and Communication Technology (IEEE-iCATccT 2016), ISBN 978-1-5090-2398-1, pp 189-193, 21-23 July, 2016.</p> <p>8. Bharath Y.K., Purushothama G.K, “Power Quality Enhancement using ANN-based Optimal Placement of D-STATCOM in a Radial Distribution System”, Proceedings of International Conference on Intelligent and Autonomous Systems (ICIAS 2015), ISBN 978-93-84659-38-7, pp-150-153, 28-29 Nov, 2015.</p>
	<p>• International Journals</p>	<p>1. Bharath Y.K., G.K. Purushothama, “Griffiths' Variable Learning Rate Online Sequential Learning Algorithm for Feed-forward Neural Networks”, Automatic Control & Computer Science, Springer. (Accepted)</p> <p>2. Bharath Y.K., Veena S., Dynamic Active Noise Control for Broadband Noise in Fighter Aircraft Pilot Helmet, Sound & Vibration, Tech Science Press. (Accepted)</p>
7.	Honors and Awards	<p>1. First Rank with Gold medal in M. Tech (CAID) with a CGPA of 9.66.</p> <p>2. Best project award for the final year B.E. project titled “Enhancement of Power Quality by Optimal Placement of D-STATCOM to Mitigate Voltage Sags using Artificial Neural Networks”, from Malnad College of Engineering, Hassan.</p> <p>3. First Rank in Diploma CET (DCET-2011) for Electrical and Electronics Engineering in the year 2011, conducted by Board of Technical Examinations.</p>
8.	Workshops/ FDP/ STTP Conducted and Attended	<p>Workshops (As resource person)</p> <p>1. One day workshop on “Trends and Techniques in Artificial Neural Networks”, organized by Dept. of E&C Engg, RRIT, Bengaluru and sponsored by APPS Labz, held on March 15, 2017.</p> <p>Workshops/FDP/STTP Attended</p> <p>1. One-Week FDP on “Recent Trends in Smart Grid & Renewable Energy Technology: during 22 to 26 February 2021, organized by School of Electrical and Electronics Engineering, Reva University, Bengaluru.</p> <p>2. One-week STTP on “Pedagogies of Online Teaching and Evaluation: Pre and Post COVID – 19”, during 7 to 11 December 2020, organized by Dept. of Management Studies, IIT Roorkee.</p> <p>3. One-week FDP on “Recent Developments in Power Systems”, during 23 to 27 November, 2020, organized by Dept. of E&E Engg., Rajiv Institute of Technology, Hassan.</p> <p>4. One-week online workshop on “Inculcating Universal Human Values in Technical Education”, during 21 to 25 September 2020, organized by All India Council for Technical Education (AICTE).</p> <p>5. Five-day online STTP on “Power Electronics Applications to Industrial</p>

		<p>Systems” during 7 to 11 September 2020, organized by Electrical Engineering Department, National Institute of Technology, Silchar under TEQIP III.</p> <ol style="list-style-type: none"> 6. IUCEE International Engineering Educator Certification Program Spring 2020, during December 2020 to August 2021, conducted by Indo Universal Collaboration for Engineering Education (IUCEE). 7. Five-day FDP on “Power Electronic Applications to Renewable Energy Systems and Energy Storage Systems”, during 6 to 10 July April 2020, organized by Dept. of E&E Engg, National Institute of Engineering, Mysuru under TEQIP III. 8. One-week online certification course on “Digital Teaching Techniques”, during 29 June to 4 July 2020, organized by ICT Academy. 9. Two-week Swayam course on “Digital Transformation in Teaching Learning Process”, during 6 to 22 April 2020, organized by IIT, Bombay, under TEQIP III. 10. AICTE Sponsored STTP on “Recent Developments in Renewable Energy Sources and Conversion System for On/Off Grid Applications”, during 9 to 14 December 2019, organized by Dept. of E&E Engg, Malnad College of Engineering, Hassan. 11. One-day FDP on “FEEL Teacher – Developing, Couselling, Mentoring” on November 2, 2019, organized by Malnad College of Engineering, Hassan. 12. One-week workshop on “Smart Grid and Internet of Things” organized by Dept. of E&E Engg, NIE, Mysuru under TEQIP III, held during June 18 to 22, 2018. 13. One-day workshop on “Recent Advances in Power Systems and FACTS Controllers” organized by Dept. of E&E Engg, NIE, Mysuru under TEQIP III, held on April 11, 2018. 14. Five-day FDP on “PLC & SCADA in Manufacturing” organized by Dept. of Mechanical Engg. and Industrial Production Engg., NIE, Mysuru under TEQIP III, held during 16th to 20th January, 2018. 15. Two-day FDP on “Python programming for all”, organized by Dept. of Computer Science Engg., NIE, Mysuru, held on 29th & 30th December. 16. Two-day FDP on “Wireless Sensor Networks and IoT”, organized by Dept. of Electronics and Communication Engg., NIE, Mysuru under TEQIP III, held on 2nd & 3rd November 2017. 17. Two-day workshop on “Industrial Automation” organized by Dept. of E&E Engg, NIE, Mysuru under TEQIP II, held on 11th & 12th October, 2014.
9.	Achievements	<ol style="list-style-type: none"> 1. Has a teaching experience of 3 years. 2. Has guided 5 M.Tech students for their project work. 3. Has successfully completed a guided project titled “Multilevel Inverter fed Single Phase Induction Motor” funded by NIE-Centre for Research and Development, during academic year 2017-18. 4. Worked as Project intern for 1 year (2015-16) at National Aerospace Laboratories and involved in the development of active noise control system for the pilot helmet of Tejas light combat aircraft. 5. Received Teaching Assistantship at Dept. of E&E Engg, NIE, Mysuru during second year of M.Tech (2015-16) under TEQIP-II.

10.	Memberships	-
11.	Photo	