

Faculty Information:

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1.	Name: Contact Address: Phone Number: Email Address:	N. A. Ranjan E&E Dept., MCE Hassan. 9448627270 ranjanmce@gmail.com																														
2.	Qualification	M.Sc. (Engg.)																														
3.	Date of Join	20-12-1990																														
4.	Position Held	Associate Professor																														
5.	Research Interest	Energy auditing and Power electronics																														
6.	Publications	<p style="text-align: center; color: red;">Publication from 2013 onwards</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sl. No</th> <th style="text-align: center;">Authors, Title of the Paper</th> <th style="text-align: center;">Name of the Journal</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Abhilash, N. A. Ranjan, M.E. Tejamoorthy, Reliability assessment of induction motor drive using failure mode effects". 12-13</td> <td>IOSR Journal of Electrical and Electronics Engineering, vol. 6, July-August 2013, pp. 32-36.</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Abhilash, N. and N.A. 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10	Vinutha K, Anand Bhat B, N. A. Ranjan, M. E. Tejamoorthy "Exploring Energy Auditing in Dairy Industry" .	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJREEICE)Vol.4, Special issue 2, April 2016
11	Roopa K , Ranjan N.A., Tejamoorthy M.E., Abhilash B.T., "A New Approach for Restructuring Vijayanagar Feeder [MUSS Hassan] to reduce the distribution los,	in the International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJREEICE)Vol.4, Special issue 2, April 2016
12	Anand Bhat B, Vinutha K , Ranjan N.A., Tejamoorthy M.E., "Transformerless SMPS for cost minimization of low power rated LED Bulbs" ,	5 th National Conference, G'Tech-Expo 16, on "Emerging Trends in Engineering & Technology" organized by G. madegowda Institute of technology (GMIT) on 29 th April 2016. This paper has won the Best paper awarded in conference.
13	Abhilash B.T Ranjan N.A., Tejamoorthy M.E., "Extended-Boost Derived Hybrid open Loop DC- DC/AC Converter" ,	5 th National Conference, G'Tech-Expo 16, on "Emerging Trends in Engineering & Technology" organized by G. madegowda Institute of technology (GMIT) on 29 th April 2016
14	Abhilash B.T Ranjan N.A., Tejamoorthy M.E., "Design & development of an Automated tyre obble testing Machine using Programmable Logic Controller" ,	5 th National Conference, G'Tech-Expo 16, on "Emerging Trends in Engineering & Technology" organized by G. madegowda Institute of technology (GMIT) on 29 th April 2016.
15	Ranjan N.A., Tejamoorthy M.E, Abhilash B.T. Vinutha.K, "Simulation of a New control strategy to develop miniature power supply" ,	International journal of engineering technology, management and applied sciences volume 5, Issue 5, ISSN 2349-4476, May-2017.
16	Manjunath, Ranjan N.A., Dhavala R., Tejamoorthy M.E, "Increasing the output Power & Efficiency of Solar Panel using CPV by Water cooling System.	International Journal for Scientific Research and Development Vol 5, Issue 07,2017, ISSN (online),2321-0613.
17	M.E.Tejamoorthy, N.A. Ranjan, B.S.Shavavadi, Nirajan, "Investigation of Phase Open Circuit Fault in Induction Motor Drive Under Field Oriented Control Using FMEA.	National Conference on Electrical Power System Engineering 2018, Organised by SDM college of Engineering and Technology, Dharawad.

Workshops Attended 2013 onwards

1. "Deriving Program Educational Objectives/Program Outcomes/Course Outcomes/Assessments for NBA Self Assessment Report" held at MCE, Hassan, during July 11-13, 2013.
2. "Patents and Innovations" held at MCE, Hassan, during Aug 31, 2013.
3. "Emerging Trends in Power System Research" held at MCE, Hassan, during Dec 23rd, 2013 to Jan 3rd 2014.
4. "Pedagogical Training Program for Faculty Members" held at MCE, Hassan, during Dec 15-17, 2014.
5. "Dissertation Report and Thesis Writing Skills" held at MCE, Hassan, during Dec 18, 2014.
6. "Intellectual Property Rights: Significance for Academia in Business and Research" held at MCE, Hassan, during Jan 30, 2015.
7. "Innovations in Renewable Energy Technologies and its Integration with Smart Grid" held at RVCE, Bangalore, during June 22-27, 2015.
8. "MATLAB & Simulink Application in Engineering" held at MCE, Hassan, during March 18-19, 2017.
9. "Digital Control Systems" held at MCE, Hassan, during March 23-25, 2017.
10. "Research Methodology and Intellectual Property Rights (RMAIPR-17)" held at MCE, Hassan, during March 23-25, 2017.
11. One week faculty development on "challenges in Non Conventional Energy Sources" held at Department

	<p>of Automobile Engg., MCE Hassan, during April 9 to 13th of 2018.</p> <p>12. "Professional and Academic Quality in Engineering Courses (PQA)" held at Department of EEE, MCE Hassan, on 23, 2018.</p> <p>13. One week faculty development on "MEMS AND MOEMS" held at Department of Electronics and Communication Engg., MCE Hassan, during 30th April to 4th May of 2018.</p> <p>14. AICTE Sponsored One Week Short term Training Programme on "Recent Development in Renewable Energy Sources and Conversion Systems for On/Off Grid Applications" held from 9th – 14th December, 2019, at Department of EE Malnad College of Engineering, Hassan.</p> <p>15. "IoT and Wireless Sensor Networks", held at Brindavan College of Engineering, Bangalore, from 27th July to 31st July 2020.</p> <p>16. "Research Methodology and LaTeX" held at East West College of Engineering Bangalore, from 27th July to 31st July 2020.</p>	
7.	Honors and Awards	
8.	Achivements	
9.	Memberships	ISTE
10.	Patents	
11.	Photo	