

MALNAD COLLEGE OF ENGINEERING, HASSAN-573202

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PROFILE

1. Name : **N. A. RANJAN**
2. Date of Birth : 30 – 04 – 1966
3. Highest Qualifications : B.E., M.Sc. (Engg.),
4. Academic Performance :
(High School to Highest Qualifications.)



Qualifications	Board / IIT / University	Institute and place where studied	Year of passing	Class / % marks
SSLC	KSEEB	St. Charle's High School, Bhadravathi	1981	52.33%
PUC	PUE Board	Sir M. V. College, Bhadravathi	1983	FC 67.16%
B.E.	University of Mysore	Malnad College of Engineering, Hassan	1989	FC 60.1%
M.Sc. (Engg.)	V T U, Belgaum	S.D.M.College of Engg. & Technology, Dharwad	M.Sc (Engg. By Research) Degree awarded Aug, 2006	

5. Date of Joining (MCE, Hassan) : 20 – 12 – 1990
6. Status as on date of Joining : Lecturer
7. Present Status : Associate Professor

8. Number of promotions since date of joining : 03

9. Achievements since date of joining:

FD	No. of Publications/Conferences	Teaching Award	Books / Monograph	Extracurricular activities*	Admin.
Total= 31	Total= 17	---	03	01	--

FD-Faculty Development, R&D-Research and Development

Faculty Development: (Workshops)

1. Energy Auditing and Demand Side Management, held at MCE, Hassan, during June 26-27, 1998
2. Non- Conventional Energy Sources, held at PESCE, Mandya, during Jul., 20-25, 1998
3. Advances in Neural Computing, held at SJCE., Mysore, during July 26 - Aug., 7, 1999,
4. Recent advances in Chemical, Electro-Chemical and Nuclear Energy system, held at PESCE, Mandya, during Oct 21-31, 1999
5. Power system protection, held at SIT, Tumkur, during Aug-25-26, 2001.
6. Recent Trends in Polymer Composites(RTPC), held at SJCE., Mysore, during Sep 17 – Sep, 29, 2001,
7. Recent Trends in High Voltage Testing Techniques, held at IIT, Chennai, during Dec 12 – 18, 2001,
8. Recent Trends & Applications in HV Insulation (RTAHVI), held at BIET, Davangere, during Jan 13 – 24, 2003.
9. Energy Efficient Electrical Apparatus and Systems, held at PVG's , Pune, during Feb 21-22, 2003.
10. Recent Trends in Material Science & Mathematical Modelling, held at SJCE, Mysore, during 28th July- 9th Aug. 2003.
11. "FEM & its application to Non-Linear Problems" held at P.E.S College of Engineering, Mandya, during July 11-22, 2005.
12. "Development program – FEEL Teacher" held at Malnad College of Engineering, Hassan, during Aug 27-31, 2005.
13. "Two day workshop on Electrical Infrastructure for Professional Institution and Establishments", held at SJCE, Mysore, during March 20-21, 2006.

14. "Recent Advances In High Voltage Measurements and Testing Techniques for The Faculty of Engineering Colleges" held at MCE, Hassan, during March 22-24, 2007.
15. "Three days work shop on "Stability and Control in Power system" held at AIT, Chikmagalur, during March 29-31, 2007.
16. "Power System Overvoltage's and their Mitigation" held at MCE, Hassan, during April 27-28, 2007.
17. "Pneumatics, Hydraulics, Electro-Pneumatics and PLC's" held at MCE, Hassan, during Sept 10-12, 2007.
18. "Role of teacher in Character Building and Personality Development" held at Ramakrishna Institute of Moral & Spiritual Education (RIMSE), during May 17-18, 2008.
19. "Recent Trends in Electrical Power System Technology" held at MCE, Hassan, during June 16-21, 2008.
20. "Two days workshop on Entrepreneurship & Management" held at SJCIT, during Aug 1-2, 2008.
21. "NSTEDB-ISTE, New Delhi" held at MCE, Hassan, during Aug 4-6, 2008.

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.

Publication/ Conference:

1. Gopal HG, Ranjan NA, Raviprakash MS & Krishnamurthy KA, "Energy audit & Demand side management issues applied to a professional engineering institution", 12th National Power System Conference- NPSC 2002, Dec.27-29, IIT- Kharagpur, Paper #81, pp. 290-293.
2. Gopal HG, Smt. Vidya HA, Ranjan NA and Pradyumna CP, "Exploring Multimedia to teach the design of EHV/UHV Transmission lines", 12th National Power System Conference- NPSC 2002, Dec.27-29, IIT- Kharagpur, Paper #81, pp. 480-483
3. R Shivarudra Swamy, Vishwanatha Hegde, NA Ranjan, MS Raviprakash & HG Gopal, Demand-side avenues to implement energy management programs in industries, National Seminar on Energy efficient electrical apparatus & systems, Feb.21-22, 2003, PVG's College of Engineering, Pune, pp 109- 114
4. H.G.Gopal, N.A.Ranjan and Thejaswi AH, "Exploring Solar Energy to share a part of lighting load in an industry", National conference NCRTRPS-03, held at RGM College of Engineering & Technology, Nandyal 518 501.
5. H.G.Gopal, N.A.Ranjan, "Exploring Cogeneration Opportunities in Large Scale Cement Industry", National conference on Electrical Engineering Developments, during Jun 17-18, 2005, held at College of Engineering, GITAM, Rushikonda, Visakhapatnam- 530 045, Andhra Pradesh.
6. HG Gopal, NA Ranjan, C Rajeshwari, Savitha M. Bani, "Energy Conservation Opportunities in Textile Industry", National conference on Electrical Engineering Developments, during Jun 17-18, 2005, held at College of Engineering, GITAM, Rushikonda, Visakhapatnam- 530 045, Andhra Pradesh.
7. Kusuma S. , N.A. Ranjan and M.N Madhusudhan " Design test facilities for high power rating transformers", International conference on current trends in engineering and management ICCTEM 2012, July 12-14, 2012, held at vidyavardhaka college of engineering, mysore - 570002, Karnataka.

Publication from 2013 onwards

Sl. No	Authors, Title of the Paper	Name of the Journal
1	Abhilash, N. A. Ranjan, M.E. Tejamoorthy, Reliability assessment of induction motor drive using failure mode effects". 12-13	IOSR Journal of Electrical and Electronics Engineering, vol. 6, July-August 2013, pp. 32-36.
2	Abhilash, N. and N.A. Ranjan, "Failure modes effects analyzed reliable induction motor drive system design".	National conference on recent advances in electrical and electronics engineering (NCRAEEE-2013) 17-18 th June, 2013.
3	Abhilash, N. A. Ranjan, M.E. Tejamoorthy, radhakrishna K.R, "Fault Tolerant reliable operation of induction motor drive using failure mode effects analysis". 12-13	International conference on emerging innovate technologies for a sustainable world-2013 7-8 October, 2013.
4	Ravi kumar K.N, Chetan N.C, N.A Ranjan, Abhilish B.T, "Small scale system for harvesting lightning stroke using impulse	National conference on recent trends in power electronics and drives NCRTPED 30th October 2013.

	voltage generator". -13	
5	Chetan N.C, Ravi kumar K.N, N.A Ranjan, Abhilish B.T, M.E Thejomoorthy, "Conversion of a single phase AC supply into Controllable three phase AC supply using PWM Techniques". -13	National confrence on recent trends in power electronics and drives NCRTPED 30th October 2013.
6	Chenthankumar, Ranjan N. A., Tejamoorthy M.E., "Automation of the production of sponge iron by using PLC and SCADA systems".	International Journal of emerging technology in computer science and electronics Volume 14, Issue 2 APR/2015 ISSN: 0976-1353, 2015.
7	Tejamoorthy M.E. B.B. Neelakantappa, B.Ramesh, Ranjan N. A., "Design and Analysis of Diabetic Retinopathy Funds Detection using Cup to Disk Ratio and Wavelets".	International Conference on Power, Circuit and Information Technologies (ICPCIT-2015) April 2015.
8	Chethan N.C, Ranjan N.A, Tejamoorthy, Abhlilish B.T " Energy Recovery from Exhaust Gases of Automobiles Using an Axial Flux permanent Magnet generator"	International Journal of Emerging Trends in Electrical and Electronics (IJETEE-ISSN: 2320-9569) Vol. 11, Issue. 2, June 2015.
9	Roopa K , Ranjan N.A., Tejamoorthy M.E., Abhilash B.T., "A New Approach for Reconfiguration of Electrical Network for Loss minimization on a Standard 32 Bus Distribution System".	International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT) Dec-2015.
10	Vinutha K, Anand Bhat B, N. A. Ranjan, M. E. Tejamoorthy "Exploring Energy Auditing in Diary Industry" .	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE)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 (IJIREEICE)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.,	5 th National Conference, G'Tech-Expo

	“Extended-Boost Derived Hybrid open Loop DC- DC/AC Converter” ,	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	N.A. Ranjan, M.E. Tejamoorthy ” Simulation of a New control strategy to develop miniature power supply,”	International journal of engineering technology, May 2017, vol 5, Issue 5
17	N.A. Ranjan, M.E. Tejamoorthy, R.K. Dhavala “Increasing the output Power & Efficiency of Solar Panel using CPV by Water cooling System”	International Journal for Scientific Research and Development, July 2017, Vol 5, Issue 07

Books/Monograph:

1. Power Electronics Laboratory manual.
2. DC and Synchronous machine lab manual.
3. Circuits and measurements lab manual.

Extracurricular activities:

1. Member of Anti ragging committee.

Professional Memberships:

1. Member, Indian Society for Technical Education (ISTE)- LM 24106, Year 1997.
2. Member, The Institution of Engineers (India), MIE – M-132266-9, May 2006.