


FACULTY PROFILE

1. Name :		M. RAMESH			
2. Date of Birth :		June 05, 1980			
3. Highest Qualifications :		M.Tech., Ph.D.			
4. Academic Performance :					
(High School to Highest Qualifications.)					
Qualifications	Board / IIT / University	Institute and place where studied	Year of passing	Class / % marks	
SSC	A.P Secondary Education Board	SGS High School, Tirupati	1996	FC 76.16%	
PUC	A.P Intermediate Education Board	S.V. Junior College, Tirupati	1998	SC 59.6%	
B. Tech.	J.N.T.U. Hyderabad	S.V.N.E.C., Chittoor Dt. AP	2002	FC 61.33%	
M. Tech.	V.T.U. Belagavi	Malnad College of Engineering Hassan	2007	77.6%	
Ph.D.	I.I.T. Roorkee	Roorkee Uttarakhand	2020	Awarded	
FC: First Class					
5. Date of Joining :		24.08.2011			
6. Status as on date of Joining :		Lecturer			
7. Salary as on date of Joining :		8000/- Basic + Allowances			
8. Present Status :		Assistant Professor			
9. Salary as on date :		Rs. 77,250 /- Basic & Rs. 1,16,250/- Gross			
10. Number of promotions since date of joining :		00			

11. Achievements since date of joining:

FD	R&D	No. of Publications	Teaching Award	Books/ Mono graph	Conference Seminars	Extra curricular activities*	Admin.	Patent
22	-	14	-	-	05	01	07	02

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

1. Has a teaching experience of 17 years.
2. Presently guiding 1 Ph.D. registrants under VTU.
3. Served as Designated Reviewer for 3 International Journals.
4. Coordinated 3 workshops, participated in 22 Short Term Training Programs and Curriculum development workshops.
5. Participated as an Invited speaker/Resource person in 02 Workshops/FDP.
6. Faculty advisor for one batch 2013-17 and presently acting as Faculty advisor for 2020-24 batch B-section students.
7. Served as seminar Coordinator in the department

Faculty Development:

1. FDP attended on “Process Automation”, held at MCE, Hassan, during 10–15, April 2023.
2. FDP attended on “AICTE IDEA LAB Basic FDP (hands on training)”, held at VTU center for post graduate studies Muddenahally, Hassan, during 07–11, February 2023.
3. A one week FDP attended on Design thinking and prototyping in AICTE IDEA LAB, at M.C.E., Hassan, during 21-29, Oct. 2022.
4. A one week FDP attended on “Advanced CNC facilities”, held at M.C.E., Hassan, during 11th-15th June. 2022.
5. A one day workshop attended on “Energy Conservation and Energy Efficiency”, held at KREDL, Hassan, on 25th March 2021.
6. An internship program attended on “30 Days Internship Program on Matlab”, PANTECH Solutions, during 01-30 September 2020.
7. A workshop attended on “Inculcating Universal Human Values in Technical Education”, AICTE, New Delhi, during 05 October-09th October 2020.
8. STTP attended on “Operation and Maintenance of SHP stations”, held at IIT Roorkee, during December 10 -13, 2018.
9. FDP attended on “Recent Developments in Solar and Energy system for On/Off grid applications”, held at MCE, Hassan, from 9th July-13th July 2018.
10. Attended workshop on “Digital Control Systems” held at MCE, Hassan, from 23rd March -25th March 2017.
11. Attended workshop on “End to End Innovation” held at MCE, Hassan, from 07th March -11th March 2017.

12. Virtual Labs” held on 1st August 2015 at NIT Surathkal, Karnataka, India.
13. Innovations in Renewable Energy Technologies and its Integration with smart grid held during 22-27 June, 2015 at RV College of Engineering Bengaluru Karnataka, India.
14. Formulation, Modeling& Practical applications of operations research held during 25th May - 6th June 2015 at Mechanical Engineering, M.C.E. Hassan.
15. Pedagogical Training Program for Faculty Members held during 15-17 December, 2014 at MCE, Hassan, Karnataka, India.
16. Recent Technological Innovations in Optical Engineering held during 14-18 July, 2014 at MCE, Hassan, Karnataka, India.
17. Emerging Trends in Power system Research held during 23rd December – 3rd January 2014 at MCE, Hassan, Karnataka, India.
18. Patents and Innovations held on 31st August, 2013 at MCE, Hassan, Karnataka, India.
19. Signal Processing and Image Processing uses Scilab held during 5-16, August, 2013 at NITTTR Chandigarh, India.
20. Deriving Program Educational Objectives/ Program Outcomes / Assessments for NBA Self-Assessment report held during 11-13 July, 2013 at MCE, Hassan, Karnataka, India.
21. Teaching Effectiveness held during 29 – 30 March, 2013 at Hotel Southern star Hassan Karnataka, India.
22. Introduction to Research Methodologies held from 25th June to 4th July 2012 at S.V.U. Tirupati, Andhra Pradesh.

Publications:

1. B. Pooja, S. Rajanna, N. L. Varaprasad, **M. Ramesh**, G. R.Sowmya and S. R. Rakshitha, “Design of a Battery Charge Controller Through MPPT Based Solar Photovoltaic System” International Conference on Emerging Research in Electronics, Computer Science and Technology DOI: 10.1109/ICERECT56837.2022.10060581
2. Dhavala R. K., Suresh H.N. Rajanna S. and **M. Ramesh**, “Case study on demand side management-based cost optimized battery integrated hybrid renewable energy system for remote rural electrification”, Energy Storage DOI: 10.1002/est2.410.
3. Dhavala R. K., Suresh H.N. Rajanna S. and **M. Ramesh**, “Effects of different batteries and dispatch strategies on performance of standalone PV/WT/DG/battery system: A case study”, Energy Storage DOI: 10.1002/est2.306.
4. M. Ramesh, R. P. Saini, “*Demand Side Management based techno-economic performance analysis for a stand-alone hybrid renewable energy system of India*”, Energy Sources Part A: Recovery Utilization, and Environmental Effects, <https://doi.org/10.1080/15567036.2020.1851820>.
5. M. Ramesh, R. P. Saini, “*Effect of different batteries and diesel generator on the performance of a stand-alone hybrid renewable energy system*”, Energy Sources Part A: Recovery Utilization, and Environmental Effects, <https://doi.org/10.1080/15567036.2020.-1763520>.
6. M. Ramesh, R.P.Saini, “*Dispatch strategies based performance analysis of a hybrid renewable energy system for a remote rural area in India*”, Journal of Cleaner Production, <https://doi.org/10.1016/j.jclepro.2020.120697>.

7. M. Ramesh, R. P. Saini, “*Optimization of a stand-alone hybrid renewable energy system using demand side management for a remote rural area in India*” *International conference on Smart Energy and Communication (ICSEC)*, PIET, Jaipur, India, 21st Mar. 2020. https://doi.org/10.1007/978-981-15-6707-0_16
8. M. Ramesh, R.P. Saini, “*Techno-economic feasibility study of a Hybrid Renewable Energy System for a remote rural area of Karnataka*”, *1st International conference on Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy (MMCITRE)*, PDPU, Gandhinagar, India, 22nd, Feb. 2020.
9. M. Ramesh and R.P. Saini “*Optimal Configuration and Modeling of a Small Autonomous Power System for un-electrified remote villages*” *Second international conference on Power Electronics, Intelligent Control and energy system (ICPEICES)* 2018, DTU, Delhi, India.
10. M. Ramesh and Kirankumar N Hittanagi "*PLC based DC drive control using Modbus RTU communication for selected applications of sugar mill*", *IEEE International Conference on Circuits, Controls and Communications (CCUBE)*, 2017, Bengaluru, India.
11. M. Ramesh and Kirankumar N Hittanagi "*PLC based DC drive control using Modbus RTU communication for selected applications of sugar mill*", *2nd International Conference Current trends in Engineering and Technology*, 2014, Coimbatore, India.
12. M. Ramesh and Nagesh C. “*An Improved DTC for three level inverter fed IM sensor less drive*” *2nd International Conference Current trends in Engineering and Technology*, 2014, Coimbatore, India.

Book Chapters:

1. M. Ramesh, R. P. Saini, “*Optimization of a stand-alone hybrid renewable energy system using demand side management for a remote rural area in India*” Algorithms for Intelligent systems, <http://www.springer.com/series/16171>.
2. M. Ramesh, R. P. Saini, “*Optimization of a stand-alone hybrid renewable energy system using demand side management for a remote rural area in India*” *Advances in Intelligent systems and computing*, <http://www.springer.com/series/11156>.

Coordinator for the Workshop:

1. One week FDP on “Outcome Based Education” during 19-23 September 2022.
2. Two day workshop on " Recent Trends in Solar Energy Applications " during 27 & 28 March 2017 Sponsored by TEQIP-II at department of E&E Engg, MCE, Hassan.
3. Two-Day workshop on “MATLAB and Simulink Applications in Engineering” held at Malnad College of Engineering, Hassan during 18-19, March 2017.

Resource Person:

1. Delivered a lecture in AICTE-ATAL sponsored FDP on “Dispatch Strategy Based Performance Analysis of HRES Using HOMER Software” conducted at GEC, Patan, Gujarat on 20th January 2022.

Membership in Society/Institute:

1. **MISTE:** Member (Life term) of Indian Society for Technical Education (L M 57001)

Extra Curricular Activities:

1. Served as Department Association, MCE, Hassan during 2012-2017.

Administration:

1. Currently working as Deputy Chief Coordinator (CIE) for Autonomous programme, MCE, Hassan, from 2022 to till to date.
2. Currently working as Institutional Research Advisory committee member.
3. Currently working as Project coordinator (UG) from 2022.
4. Currently working as department NBA coordinator.
5. Currently working as department NAAC coordinator.
6. Currently working as SC/ST/OBC committee member.

Self Appraisal:**3 - Major Strengths:**

- (a) Dedication to the Profession
- (b) Confidence to carry out the work assigned
- (c) Motivate the students to update higher knowledge in the subject

3- Major Weaknesses:

- (a) Tension sometimes causes debacles and may not able to give the best.

(M. RAMESH)