



## MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

(An UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad).

Accredited 2<sup>nd</sup> time by NAAC with 'A' Grade,

Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,

Telangana State – 500100, [www.mrec.ac.in](http://www.mrec.ac.in)

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### Faculty Achievements for the Academic Year 2021 – 2022

##### SCI Journals Published:

Sl. No	Name of The Faculty	Title of The Paper	Name of The Journal	Details of Paper	Impact Factor
1	Ch. Rami Reddy	An Improved Direct Torque Control Topology of a Double Stator Machine Using the Fuzzy Logic Controller	IEEE Access	Volume No: 9 ISSN NO: 2169-3536 Page No:126400-126413 Sept 2021, SCI	3.3
2	Ch. Rami Reddy	Operational planning steps in smart electric power delivery system	Scientific Reports	Volume No:11 ISSN NO: 2045-2322 Page No:1-25 Springer Nature Aug 2021, SCI	5.1
3	Ch. Rami Reddy	Hybrid ROCOF Relay for Islanding Detection	Journal of Electrical Engineering & Technology	Volume No:14 ISSN NO: 2093-7423 Page No:1-10 Springer Nature Aug 2021, SCI	1.0
4	Ch. Rami Reddy	Power Quality Improvement in Integrated System using Inductive UPQC	International Journal of Renewable Energy Research	Volume No:11 ISSN NO: 1309-0127 Page No:566-576 Springer Nature Jun 2021, WOS	5.1
5	Ch. Rami Reddy	Power Quality Improvement in HRES Grid Connected System with FOPID Based Atom Search Optimization Technique	Energies	Volume No:14 ISSN NO: 1996-1073 Page No:1-29 MDPI Sept 2021, SCI	3.0
6	Ch. Rami Reddy	Power Quality Improvement Using Distributed Power Flow Controller with BWO-Based FOPID Controller	Sustainability	Volume No:13 Issue No:11194 Page No:1-33 2021, SCI	3.2

7	Ch. Rami Reddy	A new passive islanding detection method for hybrid distributed generation under zero power imbalance	International Journal of Power and Energy Conversion	Volume No:12 ISSN NO: 1757-1162 Page No: 252-265 Inderscience Sept 2021, Scopus	1.75
8	Ch. Rami Reddy	Water Cycle Algorithm Optimized Type II Fuzzy Controller for Load Frequency Control of a Multi-Area, Multi-Fuel System with Communication Time Delays	Energies	Volume No:14 ISSN NO: 1996-1073 Page No: 1-19 MDPI Sept 2021, SCI	3.0
9	Ch. Rami Reddy	Grid Integration of Renewable Energy Sources Using GA Technique for Improving Power Quality	International Journal Of Renewable Energy Research	Volume No:11, Issue No.3, Page No: 1390-1402 September, 2021, ESCI	5.1
10	Ch. Rami Reddy	Frequency Regulation of Multi Area Renewable Energy Source System with Practical Constraints under Fractional-Order Fuzzy Controller	International Journal Of Renewable Energy Research	Vol.11, Issue No.3, Page No: 992-1002 September, 2021, ESCI	5.1
11	Ch Rami Reddy	Power Quality Improvement using ASO Technique	9th IEEE International Conference on Smart Grid	Page No: 238-242 2021, SCOPUS	
12	Marimuthu Ponnusamy	Linear interpolated multi-objective economic emission scheduling using grey wolf optimizer: a strategic balance and solution with diverse load pattern	The international journal for computation and mathematics in electrical and electronic engineering (SCI)	Emerald Publishing Limited ISSN: 0332-1649. <a href="http://doi.org/10.1108/COMPEL-01-2021-0022">http://doi.org/10.1108/COMPEL-01-2021-0022</a>	0.795
13	K. Prasada Rao	Operational concerns and solutions in smart electricity distribution systems	Utility Policy (SCI), © 2021 Elsevier Ltd	Volume 74, (2022), Available online 8 December 2021, ISSN: 0957-1787 <a href="https://doi.org/10.1016/j.iup.2021.101329">https://doi.org/10.1016/j.iup.2021.101329</a>	1.24

**Faculty Conference Publications:**

Sl. No.	Name of The Faculty	Title of The Paper	Name of The Conference	Details of the Conference	Publisher
1	Ch Rami Reddy	Falcon Optimizer based PID Controller for AGC of Dual Area Realistic System with AC-DC Links	2021 International Conference on Technology and Policy in Energy and Electric Power (ICT-PEP)	Sep, 2021, ISBN: 978-1-6654-1641-2	IEEE
2	Ch Rami Reddy	Power Quality Improvement using ASO Technique	2021 9th International Conference on Smart Grid (icSmartGrid)	July, 2021, ISBN:978-1-6654-4531-3	IEEE
3	Dr. A.V. Sudhakara Reddy	Economic dispatch solutions with piecewise quadratic cost functions using Spotted hyena Optimizer	2021 IEEE Madras Section Conference (MASCON)	Oct, 2021, ISBN:978-1-6654-0405-1	IEEE Madras Section Conference (MASCON)

**International Patent Published:**

Sl. No.	Topic	Author Name	CBR Number / Patent Application Number	CBR/ Publication Date
1	Machine Learning Technique to Analyse the Condition of Covid-19 Patients Based on their Saturation Levels	Dr. M. Kondalu, Dr.P. Marimuthu and Dr.K. Prasada Rao	2021105808	18.08.2021

**National Patent Published:**

Sl. No.	Topic	Author Name	CBR Number / Patent Application Number	CBR/ Publication Date
1	Design and Implementation for Traffic Violation Detection of	Dr. N. Rajeswaran, Dr.D. Raja Reddy &	202141040652A	17.09.2021

	Based on Artificial Intelligence Technique			
2	COVID 19 Detection using Advanced CNN	Dr. N. Rajeswaran	202141050728A	19.11.2021

#### Details of Books Published:

Sl. No.	Name of the Book/chapter	Author Name	Details of Publication	Year	ISBN No.
1	Electrical Protection System	Dr. P. Marimuthu	Jayalakshmi Publications	2021	978-93-91987-38-1
2	Fundamentals and Applications of Renewable Energy	Dr. T.Rajesh, Dr. N. Rajeswaran, Dr. K. Ezhil Vignesh and CH. Narendra Kumar	Integrated Publications	2021	978-93-90471-68-3

#### Details of Book Chapters Published:

Sl. No.	Name of the Book/chapter	Author Name	Details of Publication	Year
1	CH: 5 Analytical Study of DC-to-DC Power	Ch Rami Reddy	<a href="https://books.google.co.in/books?hl=en&amp;lr=&amp;id=AxIEAAAQBAJ&amp;oi=fnd&amp;pg=PA85&amp;ots=1dhu2igj0r&amp;sig=hihOMZGVwQArNuABr6YBOcKyp30&amp;redir_esc=y#v=onepage&amp;q&amp;f=false">https://books.google.co.in/books?hl=en&amp;lr=&amp;id=AxIEAAAQBAJ&amp;oi=fnd&amp;pg=PA85&amp;ots=1dhu2igj0r&amp;sig=hihOMZGVwQArNuABr6YBOcKyp30&amp;redir_esc=y#v=onepage&amp;q&amp;f=false</a> Hybrid Intelligence for Smart Grid Systems, CRE Press	Oct, 2021

#### NPTEL:

Sl. No.	Name of the Faculty	Designation	Year	Course Name	Course Duration	Type of Certification
1	Dr. P. Marimuthu	Professor	2021 (Aug. - Oct.)	NPTEL – Cloud Computing	8 weeks	Course Completed
2	Dr. T. Rajesh	Professor	2021 (Aug. - Oct.)	NPTEL – Cloud Computing	8 weeks	Course Completed
3	Dr. M. Kondalu	Professor	2021 (Aug. - Oct.)	NPTEL – Cloud Computing	8 weeks	Course Completed

4	Dr. M. Prasada Rao	Professor	2021 (Aug. - Oct.)	NPTEL – Cloud Computing	8 weeks	Course Completed
5	Mrs. V. Suma Deepthi	Assoc. Prof	2021 (Aug. - Oct.)	NPTEL – Cloud Computing	8 weeks	Course Completed
6	Mrs. S. Bharathi	Assoc. Prof	2021 (Aug. - Oct.)	NPTEL – Cloud Computing	8 weeks	Course Completed
7	Mr. G. Venu	Assoc. Prof	2021 (Aug. - Oct.)	NPTEL – Big Data Computing	8 weeks	Course Completed

**NITTTR:**

Sl. No.	Name of the faculty	Designation	Date of Issue	Course name	Course Duration
1	Mrs. Y. Sudha	Asst. Prof	16.08.2021	NITTTR-Accreditation of Undergraduate Engineering Programme	15 Weeks

  
Coordinator

  
Head of the Department  
**EEE DEPARTMENT**  
**Malla Reddy Engineering College**  
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**Maisammaguda, Dhulapally,**  
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