


## Faculty Profile

Name of the Teaching Staff	Dr. Thejaswini R	
Department	Electronics & Communication Engineering	
E-mail	thejaswini.r@cittumkur.org	
Present Designation	Professor	
Google Scholar ID	<a href="https://scholar.google.com/citations?hl=pt-BR&amp;user=RdtCQKMAAAAJ&amp;hl=pt-BR">RdtCQKMAAAJ&amp;hl=pt-BR</a>	
ORCID	<a href="https://orcid.org/0009-0006-0846-9243">0009-0006-0846-9243</a>	
VIDWAN ID	446832	
Education Qualifications	<ol style="list-style-type: none"> <li>UG: Electrical &amp; Electronics Engineering</li> <li>PG: Power Electronics</li> <li>Ph.D: Faculty of Electrical and Electronics Engineering Sciences</li> </ol>	
<b>Work Experience in Years</b>		
Teaching	22	
Research	01	
Industry	02	
Other		
Total	24	
Area of Specialization	Electric Vehicle Technology, Power Electronics, Renewable energy resources integration, Design of Converter topologies etc.	
Publication Details	<p>GIS SCIENCE JOURNAL Scopus indexed on <b>IOT based design for energy aggregator and range extender for EV using BLDC</b>, June 2022 UGC-CARE Approved Group 'II' journal , ISSN NO: 1869-9391, Scientific Journal Impact Factor – 6.1</p> <p>International Journal for Research in Applied Science &amp; Engineering Technology IJRASET on <b>A study on the perception of different Converters for Electric Vehicles</b> DOI : 10.22214, Volume 9, Issue XII, paper ID : IJRASET39326</p> <p><b>Cloud Based Real Time Data Analysis of Electric Vehicle Model Using Thing Speak Through IOT</b> at RTEICT-2021 (6<sup>th</sup> International Conference On Recent Trends In electronics, Information &amp; Communication Technology. 27<sup>th</sup> -28<sup>th</sup> August 2021. <b>IEEE digital library</b></p> <p>International Journal of Scientific &amp; Engineering Research (IJSER) on <b>A Review on Optimization and control algorithm of storage array used for Electric Vehicle</b>. Oct -2020 Volume: 04 Issue: 10 ISSN: 2582-3930.</p> <p>International Journal of Advance Engineering and Research DevelopmentI (JAERD) on <b>Design and Simulation of New Multi Input Power Converter for Electric Vehicle Application</b> Volume 7, Issue 06, June -2020 e-ISSN: 2348 - 4470, print-ISSN: 2348-</p>	

6406 Scientific Journal of Impact Factor (SJIF): 5.71

**Review on Solar Vehicles Requirements and Investigation** at Second International Conference on Emerging trends in Science & Technologies for Emerging Systems (ICETSE -2019) at SJCIT, Chickaballapura, Karnataka, on 17<sup>th</sup> & 18<sup>th</sup> May 2019. Also published in ELSEVIER SSRN e Library International Journal of Research in Advent Technology (UGC approved Journal) volume 3, page number 46 – 52.

International Journal of Innovative Research in Science, Engineering and Technology ( IJIRSET) on **Analysis and status of Hybrid Vehicle** Volume 8 , Issue 1, January 2019 ISSN(Online): 2319-8753 ISSN (Print): 2347-6710, P1111 – 1117

International Journal of Innovative Research in Science, Engineering and Technology ( IJIRSET) on **A Technical survey of Hybrid Vehicle Feture set with multiple Energy Sources** Volume 7 , Issue 8, August 2018 ISSN(Online): 2319-8753 ISSN (Print): 2347-6710, P9027 – 9035.

**Optimizing Wind Turbine-Generator Design Using Genetic Algorithm** at International conference on Advances in Electronics, Computer and Communication (ICAIECC) Reva university 978-1-5386-3785-2/18/\$31.00 ©2018 IEEE.

**Long lasting aternate approach of power generation- Gravity lamp** at *International Conference on Science, Management, Engineering and Technology 2015 (ICSMET 2015)*, published online by [www.pothi.com](http://www.pothi.com), ISBN 978 - 93-83701-29-2.

**Won Outstanding paper presentation award for this paper**

National Conference On “Developments In the Domain Of Electrical Engineering (NCDDEE-15) on 30<sup>th</sup> & 31<sup>st</sup> July 2015 at SSIT, Tumkur, Karnataka, India on **Optimal Approach of Adaptive Lighting System for Low End Automobiles**. NCDDEE-2015.

**Study of Induction Generator and Inverter for Wind Energy Applications** in International Journal of Engineering Research and Development e-ISSN: 2278-067X, p-ISSN: 2278-800X, [www.ijerd.com](http://www.ijerd.com) Volume 8, Issue 8 (September 2013), PP. 18-25. Indexed in ANED (American National Engineering Database). You can verify it through [www.aned.us](http://www.aned.us)

International Journal of Innovative Research in Science, Engineering and Technology ( IJIRSET) on **Analysis and status of Hybrid Vehicle** Volume 8 , Issue 1, January 2019 ISSN(Online): 2319-8753 ISSN (Print): 2347-6710, P1111 – 1117

International Journal of Innovative Research in Science, Engineering and Technology ( IJIRSET) on **A Technical survey of Hybrid Vehicle Future set with multiple Energy Sources** Volume 7 , Issue 8, August 2018 ISSN(Online): 2319-8753 ISSN (Print): 2347-6710, P9027 – 9035.

**Voltage/Frequency Control of an Induction Motor Using FPGA** in **International Journal of Emerging Engineering Research and Technology (IJEERT)** Volume 2, Issue 2, May 2014, PP 101-106 <http://ijeert.org/v2-i2.php>

Professional Memberships

- ❖ Life Member in **Indian Society for Technical Education** (ISTE) M.No. LM 55614
- ❖ Membership for “**Working with Children check**” , Victora, Australia from 2008-2013
- ❖ Life member in **IAENG International Association of Engineers** M.No. 116594

	❖ Life member (Professional) of InSc ID 20229REA23 .
No. of Books published with details	Provide Complete Details
Book Chapters published	In Progress
Books Published	Provide Complete Details
Reviewer in Journal/Conference	<ol style="list-style-type: none"> <li>1. <b>Life member and Reviewer at InSc institute of scholars ISO 9001:2015</b> registered under Ministry of MSME &amp; Corporate Affairs, Govt. of India</li> <li>2. Reviewer for <b>Elsevier's e-Prime-Advances in Electrical Engineering, Electronics and Energy -Next steps</b></li> <li>3. Reviewer for International Conference on Smart Systems for applications in Electrical Sciences (ICSSES-2023) 2023</li> <li>4. Session chair and Reviewer for 3<sup>rd</sup> TEMSMET 2023 <b>IEEE Third International Conference of Technology, Engineering, Management For Social Impact Using Marketing, Entrepreneurship &amp; Talent, Mysuru.</b></li> </ol>
Patents	<ol style="list-style-type: none"> <li>1. <b>Patented Journal</b> – title of the invention “ Reliability Assessment of Induction Motor Drive Using Failure Mode Effects Analysis” . The Patent Office Journal No. 40/2023 Dated 06/10/2023 66798 <a href="https://search.ipindia.gov.in/IPOJournal/Journal/ViewJournal">https://search.ipindia.gov.in/IPOJournal/Journal/ViewJournal</a></li> <li>2. <b>Patented journal-</b> title of the invention “Optimal Power Allocation for Residential Network In Islanded Microgrid Using Capacity Market Demand Response Approach” <a href="https://search.ipindia.gov.in/IPOJournal/Journal/Patent">https://search.ipindia.gov.in/IPOJournal/Journal/Patent</a></li> <li>3. <b>Patented journal</b> title “Solar And Wind Energy Powered Distribution Storage Management System” <a href="https://search.ipindia.gov.in/IPOJournal/Journal/Patent">https://search.ipindia.gov.in/IPOJournal/Journal/Patent</a></li> </ol>
Academic & Administrative Responsibilities	NAAC & NBA Criteria coordinator Women Empowerment cell Magazine committee Admission coordinator Placement coordinator
FDPs & Workshops Attended	<ol style="list-style-type: none"> <li>1. Completed 7days FDP on Recent trends in renewable energy system on 9/10/23</li> <li>2. Completed IP Awareness/Training programme 10/10/2023</li> <li>3. Completed certificate on Electric Vehicle Design using MATLAB on 30/09/2023</li> <li>4. Completed certification on <b>Machine Learning and Artificial Intelligence – IIT Roorkee.</b></li> <li>5. ICTTC010A Certificate-Optical Fiber Cabling Techniques, RMIT University, Melbourne, Australia</li> <li>6. <b>Testing &amp; Tagging of Portable Electrical Appliances</b> Northern Melbourne Institute of TAFE, Australia.</li> </ol>

	<ol style="list-style-type: none"> <li>7. <b>Set Up and Commission Programmable Logic Controllers</b> ISO9001 certificate IV in Electrical with FCD from NMIT, Victoria, Australia.</li> <li>8. Technical Seminar on Energy Conversion and Management: Career Opportunities in Association with <b>PCRA, Government of India</b> at ACS college of Engineering, Bengaluru.</li> <li>9. Knowledge enrichment program on <b>Electric Vehicle Technology</b> at VTU regional Centre, Bengaluru</li> <li>10. FDP on deep learning and cloud computing</li> <li>11. IEEE Awareness workshop on Accreditation in Engineering at BMSCE, Bengaluru</li> <li>12. 60+ online workshops and FDPs completed on EVs, Recent trends during Covid 2019</li> </ol>
Awards & Achievements Received	<ol style="list-style-type: none"> <li>1. <b>INSC Research Excellence Award -2022</b> for the research work on “IoT Based Design for Energy Aggregator and Range Extender for EV Using BLDC for VSC”.</li> <li>2. <b>Gold medal for Outstanding paper presentation</b> at <i>International Conference on Science, Management, Engineering and Technology 2015 (ICSMET 2015)</i>, Dubai <b>for</b> Presenting a paper on <b>Long lasting aternate approach of power generation- Gravity lamp</b> published online by <a href="http://www.pothi.com">www.pothi.com</a>, ISBN 978 - 93-83701-29-2.</li> <li>3. Best faculty award for achieving Academic excellence with 100 percent results.</li> <li>4. Qualified to work and study as Research Scholar at Royal Melbourne Institute of Technology, Department of computer Science &amp; Electrical Engineering in 2007 funded by Australian Government</li> </ol>
Ph.D Research Scholar Details	<b>Guided /Awarded</b>
	Candidate Name :
	USN :
	Title :
	Year of Award :
	<b>Ongoing</b>
	Candidate Name :
	USN :
	Title :
	Year of Registration :
<b>Research/Sponsored Projects</b> Funds Received & Projects Completed	Name of the Project :
	Funds Received :
	Sponsoring Agency :
	Sanctioned Year :
	Current status of the Project (Completed/Ongoing) :
Student Funded Projects Guided	Sponsoring Agency (KSCST/VTU/Others, Please Specify) : VTU
	<b>5. Funds Received : Rs 5000/-</b>
	Title of the Project : Automated Seed Sowing & Pesticide Spraying Robot Using Bluetooth
	Sanctioned Year : 2018
Any other accomplishments	

