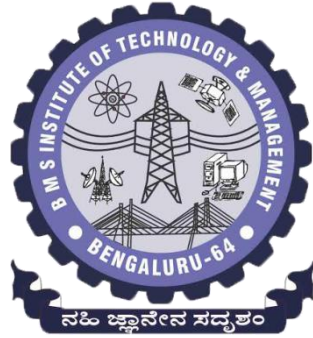


# **BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT**

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**Department of Electrical and Electronics  
Engineering**

**Faculty Research Publications**

**Academic Year 2020-2021**

<b>1</b>	Rajnikanth, Madhu Palati, "Review on Fault analysis of HVDC Systems by using Super and Non-Super Fault Current Limiters", Journal of Seybold Report, Volume 15, Issue 9, 2020, pp.32-37. ISSN NO: 1533-9211
<b>2</b>	Prashanth N.A, "Optimal Sizing of Small-Scale Wind Turbine PMSG using Static PSO and Differential Evolution Algorithms", Journal of Seybold Report, Volume 15, Issue 8, 2020, pp.32-37. ISSN NO: 1613-1623
<b>3</b>	Prashanth N.A, "Optimization of small-scale wind turbine PMSG using static PSO and dynamic PSO Algorithms for volume minimization", Journal of Critical Reviews, Volume 7, Issue 13, 2020, pp.3464-3471. ISSN NO: 2394-5125
<b>4</b>	ManjunathaBabu P,B R Lakshmikantha, K Shanmukha Sundar," An optimum location and load shedding to improve the voltage stability for radial distribution system during critical contingency", Solid State Technology, ISSN 0038-111X , vol.63, Issue.6, pp. 7378-7388, Dec-2020.
<b>5</b>	Vikram Chekuri, Narapareddy Ramarao, Prashanth N.A "Voltage Collapse Estimation Using Singular Value Decomposition in an Integrated Power System", Solid State Technology, ISSN 0038-111X , vol.63, Issue.6,pp.19162-19169, Dec-2020.
<b>6</b>	Suma Umesh, Usha A., S. Varadharajaperumal, S. A. Shivashankar & M. Srinidhi Raghavan (2021): Carbonaceous ZnO nanocomposite for sensing of H2S at sub-ppm concentrations, Fullerenes, Nanotubes and Carbon Nanostructures, DOI:10.1080/1536383X.2021.1900127
<b>7</b>	Sanjay Lakshminarayanan, Kiran Kumar B. M, S. Nagaraja Rao, Pranupa S, "Current mode control of single phase grid tie inverter with anti-islanding", International Journal of Power Electronics and Drive System (IJPEDS) Vol. 12, No. 1, Mar 2021, pp. 241~248 ,ISSN: 2088-8694, DOI: 10.11591/ijped.v12.i1.pp241-248
<b>8</b>	Madhu Palati, "Experimental Analysis of Zigbee Approach for Controlling the Induction Motor", Journal of Electrical and Power System Engineering, Volume-6, Issue-2, August 2020, pp.12-18, ISSN: 2582-5712
<b>9</b>	Madhu Palati, Prashanth N A, "Simulation studies on Polymeric Insulators under various contamination conditions", Journal of Chengdu University of Technology, Volume 26,Issue 7, July 2021, pp.1-8
<b>10</b>	Nagaraj D Chonali, "Technology for Road Safety and Traffic Control –Smart Roadways," GIS Science Journal, Volume 8, Issue 8, 2021,pp.1628-1631. ISSN NO : 1869-9391, DOI:20.18001.GSJ.2021.V8I8.21.37909
<b>11</b>	Nagaraj D Chonali, Dr. Narapareddy Ramarao, "Motor and Motor Drive Selection for Electric Auto-Rickshaw", GIS Science Journal, Volume 8, Issue 8, 2021, pp.1628-1631. ISSN NO: 1869-9391. DOI:20.18001.GSJ.2021.V8I8.21.37924
<b>12</b>	Manjunatha Babu P, Arshiya S Yalgod, Roohi Ruqsar, Pavan Kumar M, Fahad Shaik, "IoT Based Agricultural Robot", Journal of Chengdu University of Technology, Volume 26,Issue 8, August 2021, pp.1-7, <a href="https://app.box.com/s/ztgmvis1boegwm3x62s6w9pr3juix3jh">https://app.box.com/s/ztgmvis1boegwm3x62s6w9pr3juix3jh</a>
<b>13</b>	Manjunatha Babu P,Shubha Kulkarni, "Path Planning and Obstacle Avoidance Technique for Grid-Based Robot Navigation System", Journal of Chengdu University of Technology, Volume 26,Issue 8, August 2021, pp.102-109, <a href="https://app.box.com/s/ovmig50r1uzy27vob5qvwwq8h7wns1eaa">https://app.box.com/s/ovmig50r1uzy27vob5qvwwq8h7wns1eaa</a>

<b>14</b>	Suma Umesh, Bhoomika G S, Luhasini B R, Priyanga M V, S V Sharumathy, "Portable Monitoring System for Bronchial Asthma", Journal of Chengdu University of Technology, Volume 26, Issue 8, August 2021, pp.373-382. <a href="https://app.box.com/s/ux6s90rrtgd3I5ysymuulwtzo88un4kg">https://app.box.com/s/ux6s90rrtgd3I5ysymuulwtzo88un4kg</a>
<b>15</b>	Manjula B K, "Performance Analysis of Single Phase Transformer By Direct and Indirect Load Tests", Zeichen Journal, Volume 7, Issue 8, 2021, pp.366-371, ISSN No: 0932-4747. DOI:15.10089.ZJ.2021.V7I8.285311.2500
<b>16</b>	Manjula B K and Seema Singh, "Development of Displacement Measurement Circuit of Linear Variable Differential Transformer", Grenze International Journal of Engineering and Technology, January 2021, pp.219-224
<b>17</b>	Babu Naik G, "In Power Transformers, Differentiating Inrush current from fault current", Journal of Chengdu University of Technology, Volume 26, Issue 8, August 2021, pp.228-240. <a href="https://app.box.com/s/x2f9o3urry3vxoaruf06o9ik36jqupp8">https://app.box.com/s/x2f9o3urry3vxoaruf06o9ik36jqupp8</a>
<b>18</b>	Rajnikanth, "Experimental Studies on Voltage Distribution in power transformer windings under lightning and switching surge voltages", GIS Science journal, Volume 8, Issue 8, August 2021. DOI:20.18001.GSJ.2021.V8I8.21.37910
<b>19</b>	Rajnikanth, " Substation Equipment Monitoring and controlling using IoT", Journal of University of Shanghai for Science and Technology, Volume 23, Issue 9, Septemeber 2021. ISSN NO : 1869-9391, <a href="https://jusst.org/wp-content/uploads/2021/09/Substation-Equipment-Monitoring-And-Controllig-Using-IoT-2.pdf">https://jusst.org/wp-content/uploads/2021/09/Substation-Equipment-Monitoring-And-Controllig-Using-IoT-2.pdf</a>
<b>20</b>	Shilpa G, "Smart Power System", GIS Science journal, Volume 8, Issue 8, August 2021.pp.1872-1878, ISSN NO : 1869-9391. DOI:20.18001.GSJ.2021.V8I8.21.37934
<b>21</b>	Prashanth N A, Prasanth Venkatareddy, "Issues and Challenges in Robust Controller Design for Integrated External and Unconstrained Internal Disturbances: A Case Study", Zeichen Journal, Volume 7 Issue 9 2021, PP.24-29, ISSN No: 0932-4747 <a href="http://www.ezeichen.com/gallery/2089.pdf">http://www.ezeichen.com/gallery/2089.pdf</a> DOI:15.10089.ZJ.2021.V7I9.285311.2505
<b>22</b>	Prashant A. Athavale, Aditya Khandelwal, Digvijay Singh Jadaun, Meghna Mariam R, Mahima Choudhary ,Classification of Chest X-Rays using Deep Learning: A Study, Journal of Chengdu University of Technology, Volume 26, Issue 9, 2021, pp.79-83. <a href="https://app.box.com/s/ud9s8h8c664dznp3i5ab2lvrztse5qcr">https://app.box.com/s/ud9s8h8c664dznp3i5ab2lvrztse5qcr</a>
<b>23</b>	Ozwin D Souza, "Ultrasonic Cartographer", GIS Science journal, Volume 8, Issue 8, August 2021.pp.1639-1643. DOI:20.18001.GSJ.2021.V8I8.21.37911
<b>24</b>	Ozwin D Souza, "Pedal powered Generator", GIS Science journal, Volume 8, Issue 8, August 2021.pp.1561-1565, DOI:20.18001.GSJ.2021.V8I8.21.37904
<b>25</b>	M. Nasreen Taj, B. DarukaPrasad, N. Rama Rao, H. Nagabhushana, K.S. Anantharaju , M.V. Murugendrappa, "Polymer - silicate nanocomposites: Package material for nanodevices as an EMI shielding", Materials Today: Proceedings, Volume 46, Part 13, 2021, pp. 6017-6021, <a href="https://doi.org/10.1016/j.matpr.2020.12.1159">https://doi.org/10.1016/j.matpr.2020.12.1159</a>

<b>International Conference</b>	
<b>1</b>	Vikram Chekuri, N. Ramarao, Prashanth N A presented a paper titled "An Augmented Bus Model of Static Synchronous Compensator in an Integrated Power System" at the First International conference on Electrical, Electronics and Communication Technology organized by Sri Shakti Institute of Engineering and Technology, Coimbatore, held online on 15th September, 2020
<b>2</b>	Madhu Palati, "Simulation studies on Nano-hybrid polymer composites as covered conductor for enhancing the insulation characteristics of low voltage and medium voltage applications", International Conference on Accelerating Innovations in Material Science (AIMS 2020) organized by BMSIT held on 4th-8th August 2020,p80.
<b>3</b>	Prashanth N A , "Flux Maximization in Wind Turbine Permanent Magnet Synchronous Generator mode of NdFeB Permanent Magnets", International Conference on Accelerating Innovations in Material Science (AIMS 2020) organized by BMSIT held on 4th-8th August 2020,p246
<b>4</b>	Suma Umesh, Usha A, S.A. Shivashankar and M.Srinidhi Raghavan, "Ni-Substituted ZnO carbonaceous composite prepared by inert-ambient pyrolysis for high-selective SO <sub>2</sub> sensing", International Conference Proceedings of Accelerating Innovations in Material Science (AIMS - 2020), BMSIT, Bengaluru, August 04-07, 2020,p239.
<b>5</b>	Prashanth N A,Vikram Chekuri,Narapareddy Ramarao, "Multipopulation based PSO Algorithm for Optimization of small scale wind turbine PMSG", 2021 International conference on Research in Sciences, Engineering & Technology (ICRSET-2021), Sumathi Reddy Institute of Technology for Women (SRITW), Telangana,12-13 <sup>th</sup> February 2021.
<b>6</b>	Madhu Palati and Prashanth N A, "Studies on different charging techniques of high voltage pulse generators", 2021 International conference on Research in Sciences, Engineering & Technology (ICRSET-2021), Sumathi Reddy Institute of Technology for Women (SRITW), Telangana,12-13 <sup>th</sup> February 2021.
<b>7</b>	Manjula B K and Seema Singh, "Signal conditioning circuit of Linear variable differential transformer", 2021 International conference on Research in Sciences, Engineering & Technology (ICRSET-2021), Sumathi Reddy Institute of Technology for Women (SRITW), Telangana,12-13 <sup>th</sup> February 2021.
<b>8</b>	Babu Naik G, Prerit Ameta, N Baba Shayeer, Rakesh B, Kavya Dravida S, "Convolutional Neural Network Based on Self Driving Autonomous Vehicle (CNN),3 <sup>rd</sup> International conference on Innovative Data Communication Technologies and Application (ICIDCA 2021), RVS College of Engineering & Technology, Coimbatore, 20-21 August 2021. (Springer notes)