



GURU GOBIND SINGH FOUNDATION'S

**GURU GOBIND SINGH COLLEGE OF ENGINEERING & RESEARCH CENTRE**

APPROVED BY AICTE, GOVT OF MAHARASHTRA & DTE MUMBAI, AFFILIATED TO SAVITRIBAI PHULE PUNE UNIVERSITY  
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### 3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

#### 3.3.2.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

| Year   | 2022-23 | 2021-22 | 2020-21 | 2019-20 | 2018-19 |
|--------|---------|---------|---------|---------|---------|
| Number | 39      | 18      | 20      | 3       | 2       |

#### List of conference publications with ISBN number

|    | Name of the teacher | Title of the book/chapters published | Title of the paper  | Name of the conference   | Year of publication | ISBN number of the proceeding | Web-link for Cover page, Index and Front page |
|----|---------------------|--------------------------------------|---|--|---------------------|-------------------------------|---|
| 01 | Pallavi A. Padalkar | -                                    | A review on soil stabilization comparing traditional and nontraditional additives | International conference on multidisciplinary approaches in engineering, management and science (MAEMS-18) | 2018                | ISBN 978-93-87793-62-0        | <a href="#">Link – Paper Sr. No-1</a>         |



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|    |                     |   |   |  |      |                          |                                       |
|----|---------------------|---|---|--|------|--------------------------|---------------------------------------|
| 02 | Pallavi A. Padalkar | - | Teaching Learning Related to Engineering Education – A Review | National Conference on Exploring New Dimensions in Teaching Learning for Quality Education       | 2019 | ISBN : 978-93-88441-93-3 | <a href="#">Link – Paper Sr. No-2</a> |
| 03 | Dhananjay S. Desale | - | Progressive Collapse of Through type Steel Truss Bridge       | PANCHTATVA in Civil Engineering- Integrating Five elements of Nature for Sustainable Development | 2020 | ISBN 978-93-87901-06-3   | <a href="#">Link – Paper Sr. No-3</a> |
| 04 | Dhananjay S. Desale | - | To Study And Design Encased Column By Using E-Tabs Software   | National Level Technical Symposium on Under Graduate Projects                                    | 2020 | ISBN 978-93-5407-601-5   | <a href="#">Link – Paper Sr. No-4</a> |
| 05 | Dhananjay S. Desale | - | Physical Properties of Geopolymer Concrete                    | National Level Technical Symposium on Under Graduate Projects                                    | 2020 | ISBN 978-93-5407-601-5   | <a href="#">Link – Paper Sr. No-5</a> |
| 06 | Vrinda S. Bhalerao  | - | Soil Stabilization using fly ash and iron dust                | National Level Technical Symposium on Under Graduate Projects                                    | 2020 | ISBN 978-93-5407-601-5   | <a href="#">Link – Paper Sr. No-6</a> |



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|    |              |  |   |  |      |                         |  |
|----|--------------|--|---|--|------|-------------------------|--|
| 07 | V. M. Natraj |  | Teaching Learning Related to Engineering Education – A Review       | National Conference on Exploring New Dimensions in Teaching Learning for Quality Education | 2020 | ISBN:978-93-88441-93-3  | <a href="#">Link – Paper Sr. No-7</a>  |
| 08 | V. M. Natraj |  | Feasible Low-Cost Housing   | National Level Technical Symposium – 2020,   | 2020 | ISBN: 978-93-5407-601-5 | <a href="#">Link – Paper Sr. No-8</a>  |
| 09 | V. M. Natraj |  | Smart Signal and Traffic Management System.                         | National Level Technical Symposium – 2020,   | 2020 | ISBN: 978-93-5407-601-5 | <a href="#">Link – Paper Sr. No-9</a>  |
| 10 | V. M. Natraj |  | Wetland Survey of Dindori Taluka.                                   | National Level Technical Symposium – 2020,   | 2020 | ISBN: 978-93-5407-601-5 | <a href="#">Link – Paper Sr. No-10</a> |
| 11 | T A Kulkarni |  | Enhancement of Black Cotton soil by using Egg Shell powder and Lime | National Level Technical Symposium – 2020,   | 2020 | ISBN: 978-93-5407-601-5 | <a href="#">Link – Paper Sr. No-11</a> |



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|----|--------------|--|---|--|------|-------------------------|--|
| 12 | D O Bhavar   |  | Analyzing The Performance Of Concrete With Partial Replacement Of Cement By Alccofine And Fly Ash | National Level Technical Symposium – 2020, | 2020 | ISBN: 978-93-5407-601-5 | <a href="#">Link – Paper Sr. No-12</a> |
| 13 | T A Kulkarni |  | Improvement of Soil by using Calcium Carbide residue  | National Level Technical Symposium – 2020, | 2020 | ISBN: 978-93-5407-601-5 | <a href="#">Link – Paper Sr. No-13</a> |
| 14 | T A Kulkarni |  | Concrete Mix Design by Packing density Method   | National Level Technical Symposium – 2020, | 2020 | ISBN: 978-93-5407-601-5 | <a href="#">Link – Paper Sr. No-14</a> |
| 15 | P. B. Shinde |  | Bandhara Irrigation   | National Level Technical Symposium – 2020, | 2020 | ISBN: 978-93-5407-601-5 | <a href="#">Link – Paper Sr. No-15</a> |
| 16 | P B Shinde   |  | Flexural Strength of RC Beams wrapped with Aramid Fiber   | National Level Technical Symposium – 2020, | 2020 | ISBN: 978-93-5407-601-5 | <a href="#">Link – Paper Sr. No-16</a> |



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|    |   |                  |  |  |      |   |  |
|----|---|------------------|--|--|------|---|--|
| 17 | Pallavi A. Padalkar   |                  | Removal of lead from contaminated soil using phytoremediation technique in constructed wetland | National Level Technical Symposium – 2020,   | 2020 | ISBN: 978-93-5407-601-5   | <a href="#">Link – Paper Sr. No-17</a> |
| 18 | Dr. G. A. Hinge, Dr. V. M. Natraj   | Fluid Mechanics  | --   | --   | 2020 | ISBN: 978-93-902257-2-9   | <a href="#">Link – Paper Sr. No-18</a> |
| 19 | P.B.Shinde  | Surveying Manual | --   | --   | 2020 | ISBN: 978-6-2031976-5-5   | <a href="#">Link – Paper Sr. No-19</a> |
| 20 | Milind S. Patil<br>Permindur Singh<br>Shyamkumar<br>Kalpande<br>Chandrashekhar<br>Mohod | --               | Predicting Clear Sky Index for Performance Assessment of Roof Top on Grid PV Plant             | 2020 3rd International Conference on Emerging Technologies in Computer Engineering: Machine Learning and Internet of Things (ICETCE) | 2020 | Electronic ISBN:978-1-7281-1683-9<br>Print ISBN:978-1-7281-1684-6 | External <a href="#">Link</a>          |
| 21 | Mr. Tanmay Bharambe   | --               | Teaching-Learning Process in Engineering using Virtual Instrument based on LABVIEW             | INTERNATIONAL CONFERENCE ON INNOVATIONS IN ENGINEERING SCIENCES  | 2020 | 2582-4376   | <a href="#">Link – Paper Sr. No-21</a> |



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|----|-----------------|----|---|---|------|-------------------------|--|
| 22 | Kavita Tambe    | -- | Turbidity removal by using natural coagulants   | International Conference Research Challenges to Multidisciplinary Innovations (ICRCMI-2021) | 2021 | ISBN: 978-81-954237-0-5 | <b>Link – Paper Sr. No-22</b>          |
| 23 | Anuja Vanjari   | -- | A review : Variety of admixtures used in concrete   | International Conference Research Challenges to Multidisciplinary Innovations (ICRCMI-2021) | 2021 | ISBN: 978-81-954237-0-5 | <b>Link – Paper Sr. No-23</b>          |
| 24 | A.G. Chaudhari, | -- | A Numerical Study for Electricity Generation by applying potential head of waste water flowing down through vertical drainpipes of High Rise Building by Using systems of very small Turbines | ICETET – 2020   | 2020 | ISBN: 978-93-89107-21-0 | <a href="#">Link – Paper Sr. No-24</a> |
| 25 | Chetan G Joshi  | -- | Architectural Agro Planning: Soil Less Engineering Solutions  | International Conference Research Challenges to Multidisciplinary Innovations (ICRCMI-2021) | 2021 | ISBN: 978-81-954237-0-5 | <a href="#">Link – Paper Sr. No-25</a> |



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|    |                                     |    |  |   |      |                         |                               |
|----|-------------------------------------|----|--|---|------|-------------------------|-------------------------------|
| 26 | Dr.V.N.Kanthe                       |    | Strength and Durability Performance of Fly Ash Concrete  | International Conference Research Challenges to Multidisciplinary Innovations (ICRCMI-2021) | 2021 | ISBN: 978-81-954237-0-5 | <b>Link – Paper Sr. No-26</b> |
| 27 | Dr. S. D. Kalpande<br>Sudhir Chaure | -- | Feasibility Analysis of Barriers in implementing total Productive Maintenance in MSME using Fuzzy TOPSIS Optimization. | International Conference Research Challenges to Multidisciplinary Innovations (ICRCMI-2021) | 2021 | ISBN: 978-81-954237-0-5 | <b>Link – Paper Sr. No-27</b> |
| 28 | Mr. S. S. Patil<br>Mr. K. V. Dhande | -- | An Effect Of Green Energy Utilization On Industrial Development In India   | International Conference on Recent Trends in Engineering and Technology (RTET 2021)         | 2021 | ISSN: 2683-5916         | <b>Link – Paper Sr. No-28</b> |
| 29 | V. B. Sarode<br>Dr. R. D. Patil     | -- | Experimental analysis of effect of speed and time on aluminium nanoparticles fabricated by high energy ball milling    | International Conference on Materials Science and Manufacturing Technology.                 | 2021 | ISSN: 1757-899X         | <b>Link – Paper Sr. No-29</b> |
| 30 | Dr. S. D. Kalpande<br>Sudhir Chaure | -- | Feasibility Analysis of Barriers in implementing total Productive Maintenance in MSME using Fuzzy TOPSIS Optimization. | International Conference Research Challenges to Multidisciplinary Innovations (ICRCMI-2021) | 2021 | ISBN: 978-81-954237-0-5 | <b>Link – Paper Sr. No-30</b> |



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|----|-------------------------------------|----|--|---|------|-------------------------|--|
| 31 | Mr. S. S. Patil<br>Mr. K. V. Dhande | -- | An Effect Of Green Energy Utilization On Industrial Development In India   | International Conference on Recent Trends in Engineering and Technology (RTET 2021)         | 2021 | ISSN: 2683-5916         | <b>Link – Paper Sr. No-31</b>          |
| 32 | V. B. Sarode<br>Dr. R. D. Patil     | -- | Experimental analysis of effect of speed and time on aluminium nanoparticles fabricated by high energy ball milling                | International Conference Research Challenges to Multidisciplinary Innovations (ICRCMI-2021) | 2021 | ISBN: 978-81-954237-0-5 | <b>Link – Paper Sr. No-32</b>          |
| 33 | Mr. V.S.Yendole                     | -- | “Failure Mode Analysis for Availability of Solar Photovoltaic System”  | Research Challenges to Multi Disciplinary Innovation  | 2021 |                         | <b>Link – Paper Sr. No-33</b>          |
| 34 | Mr. V.S.Yendole                     | -- | “Sequential Theory Review of Inrush Current”   | Research Challenges to Multi Disciplinary Innovation  | 2021 |                         | <b>Link – Paper Sr. No-34</b>          |
| 35 | Milind S. Patil                     | -- | Mathematical Model for Performance Assessment of Parabolic Trough Collector Receiver with Al <sub>2</sub> O <sub>3</sub> Nanofluid | International Conference Research Challenges to Multidisciplinary Innovations (ICRCMI-2021) | 2021 | ISBN: 978-81-954237-0-5 | <a href="#">Link – Paper Sr. No-35</a> |



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|----|-------------|----|--|---|------|---|-------------------------------|
| 36 | M. S. Patil | -- | Predicting Solar Insolation Incident on Horizontal Surface for Performance Assessment of Solar Systems | International Conference on Secure Cyber Computing and Communications (ICSCCC)                | 2021 | e-ISBN:978-1-6654-4415-6<br>ISBN:978-1-6654-4416-3" | External <a href="#">Link</a> |
| 37 | V B Sarode  | -- | Review on Optimizing the through put time for runner types   | Conférance on IPDIMS 2021NIT Rourkela   | 2021 | --  | <b>Link – Paper Sr. No-37</b> |
| 38 | S S Patil   | -- | A Review on Cattle Transportation Issue : Scope finding"   | International Conference on Contents, Computing & Communication                               | 2021 | --  | <b>Link – Paper Sr. No-38</b> |
| 39 | S S Patil   | -- | A Review on Design of Portable Spot Welding Machine  | International Conference on "Recent Trends in Engineering Science, Technology and Management" | 2022 | ISBN: 978-93-93565-03-7                             | <b>Link – Paper Sr. No-39</b> |
| 40 | S S Patil   | -- | Design and Analysis of cutting tool and tool holder  | International Conference on Recent Trends in Engineering Science, Technology and Management   | 2022 | ISBN: 978-93-93565-03-7                             | <b>Link – Paper Sr. No-40</b> |



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|----|--|--|---|--|------|----------------------|--|
| 41 | Dr. Rahul Agrawal                      | An elitism-based self-adaptive multi-population Jaya algorithm for optimal VA loading of Unified Power Quality Conditioner,<br>BOOK TITLE:-<br>Artificial Intelligence techniques in Power Systems Operations and Analysis | NA  | NA   | 2022 | ISBN: 978-1032294865 | <a href="#">Link – Paper Sr. No-41</a> |
| 42 | Mr. Sunil M.More,Mrs.Nilima J. Bhamare | NA   | Potential of Green Hydrogen with its Various Generation Methods   | AICTE Sponsored International e-Conference on Advanced Electric Vehicle Drives (ICAEVD 2022)                     | 2022 | NA                   | <a href="#">Link – Paper Sr. No-42</a> |
| 43 | Ms.Urmila M. Mathure                   | NA   | Simulation of maximum efficiency point tracking in wireless power transfer system using pulse density modulation. | IEEE 3rd International conference on "Multimedia processing communication and information technology"-MPCIT 2020 | 2022 | NA                   | <a href="#">Link – Paper Sr. No-43</a> |



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|----|------------|----|---|--|------|-------------------------|-------------------------------|
| 44 | K V Dhande | -- | Automatic Ground Clearance Adjusting Vehicle                                      | International Conference on Recent Trends in Engineering Science, Technology and Management        | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-44</b> |
| 45 | V J Dhore  | -- | Overview of Virtual Lab   | International Conference on "Recent Trends in Engineering Science, Technology and Management" 2022 | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-45</b> |
| 46 | K R Pagar  | -- | Review on Preventive Maintenance, Machinewise Checksheet and Machine history Card | International Conference on "Recent Trends in Engineering Science, Technology and Management" 2022 | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-46</b> |
| 47 | K R Pagar  | -- | Design & Development of special purpose machine maintaining standard viscosity.   | International Conference on "Recent Trends in Engineering Science, Technology and Management" 2022 | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-47</b> |
| 48 | S V Shinde | -- | Design & Development of special purpose machine maintaining standard viscosity.   | International Conference on "Recent Trends in Engineering Science, Technology and Management" 2024 | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-48</b> |



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|----|----------------------|----|--|--|------|-------------------------|--|
| 49 | S V Shinde           | -- | Review on Preventive Maintenance, Machine wise Check sheet and Machine history Card  | International Conference on "Recent Trends in Engineering Science, Technology and Management" 2024 | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-49</b>          |
| 50 | Pallavi A. Padalkar  | -- | Production of ethanol bioethanol by using bio degradable waste.  | International Conference on "Recent Trends in Engineering Science, Technology and Management" 2022 | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-50</b>          |
| 51 | Pallavi A. Padalkar  | -- | Electricity Generation of electricity through red soil microbial fuel cell.  | International Conference on Recent Trends in Engineering Science, Technology and Management        | 2022 | ISBN: 978-93-93565-03-7 | <a href="#">Link – Paper Sr. No-51</a> |
| 52 | Vrinda S. Bhalerao   | -- | Review of Comparison of split Tensile strength, Flexural strength and Compression strength of Glass Fiber Self-Compacting Concrete | International Conference on Recent Trends in Engineering Science, Technology and Management        | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-52</b>          |
| 53 | Tejashri A. Kulkarni | -- | Smart Parking: Underground Parking Station for Traffic Congested Localities in cities.   | International Conference on Recent Trends in Engineering Science, Technology and Management        | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-53</b>          |



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| 54 | Tejashri A. Kulkarni                                       | -- | Use of couconut Shell in concrete  | International Conference on Recent Trends in Engineering Science, Technology and Management | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-54</b> |
| 55 | Dhananjay S. Desale  | -- | Effect of position and orientation of shear wall in structure  | International Conference on Recent Trends in Engineering Science, Technology and Management | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-55</b> |
| 56 | Shamal S. Dhamal, Rutika More, Harshal Chaugule            | -- | Cascaded H-bridge multilevel inverter topology with a smaller number of power electronic switching components. | International Conference on Recent Trends in Engineering Science, Technology and Management | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-56</b> |
| 57 | Pradnya K. Bachhav, Mr. S. G. Shukla                       | -- | A Study of Different Methods for Image Segmentation  | International Conference on Recent Trends in Engineering Science, Technology and Management | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-57</b> |
| 58 | Mrs.Reena S. Sahane, Mrs.Charushila Patil/Mrs.Surbhi Pagar | -- | A study of kerberos protocol:An Authentication Service for computer Networks                                   | International Conference on Recent Trends in Engineering Science, Technology and Management | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-58</b> |



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|----|-------------------------------|----|---|---|------|-------------------------|--|
| 59 | Mr. M. A. Amritkar            | -- | A Study of different methods for Image segmentation   | International Conference on Recent Trends in Engineering Science, Technology and Management                       | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-59</b>          |
| 60 | Dr. C D Mohod<br>M. S. Patil  | -- | Prediction of Municipal Waste Generation using Neural Network   | International Conference on Recent Trends in Engineering Science, Technology and Management                       | 2022 | ISBN: 978-93-93565-03-7 | <b>Link – Paper Sr. No-60</b>          |
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| 62 | K V Dhande<br>Dr. C. D. Mohod | -- | Solid Waste Management A Need of Metropolitan Cities in India   | International conference On Advances in Sustainable Research in energy and Environmental Management, SVNIT, Surat | 2022 | --                      | <b>Link – Paper Sr. No-62</b>          |
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