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# S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY

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**Department of Electronics & Communication Engineering**  
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Dept. Extn.: 520

## Publications Details

### ACADEMIC YEAR 2022 – 2023 [Aug 2022- July 2023]

| Sl. No. | Faculty/Authors  | Title   | Name of the Journal/Conference/Publisher  | DOI/Volume/Issue/Journal/Conference/ISSN No.                                | Indexing         | Nb of Citations | Year      |
|---------|--|---|---|---|------------------|-----------------|-----------|
| 1       | Dr. Suresh Akkole  | C Shape Multi Band Microstrip Patch Antenna Design using EBG slots for Wireless Applications  | Stochastic Modeling & Applications, MUK Publications & Distributions (INDIA)  | ISSN: 0972-3641   | UGC-CARE         | -               | 18-May-22 |
| 2       | Dr. Suresh Akkole  | Cloud Computing Security Concerns & Their mitigation Strategies   | Journal of the Oriental Institute, M. S. University of Baroda   | ISSN: 0030-5324   | UGC-CARE         | -               | Aug 2022  |
| 3       | Mrs. Shilpa Bhairanatti, Mrs. Anita Patil, Mrs. Soumya Halagatti                                   | A Survey on Technological Trends to Enhance Spectrum-Efficiency in 6G Communications  | Transactions of the Indian National Academy of Engineering, Springer Nature, Singapore.   | DOI: 10.1007/SH1403-022-00372-W   | UGC-CARE         | 3               | 17-10-22  |
| 4       | Mrs. Soumya Gadag  | A Critical Literature Review on Computer Vision Based Melanoma Detection and Identification   | SSRG International Journal of Electrical and Electronics Engineering  | ISSN: 2348-8379, Volume 9, Issue 12, DOI: 10.14445/23488379/IJEEE-V9I12P106 | Scopus, UGC-CARE | -               | Dec-22    |
| 5       | Mr. Pratik Badagavi  | Comparative Study of Reconfigurable Origami Antennas  | 2022 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER), JNNCE, Shivamogga | DOI: 10.1109/DISCOVER55800.2022.9974627                                     | -                | -               | 12-Dec-22 |
| 6       | Dr. Jagadish Jakati, Mr. Kiran S Nandi, Mr. Anandraddi Naduvinmani                                 | Discrete Wavelet Transform with Thresholding: An Effective Speech De-Noising Algorithm  | SSRG International Journal of Electrical and Electronics Engineering  | ISSN: 2348-8379, Volume 10, Issue 1, DOI: 10.14445/23488379/IJEEE-V10I1P113 | Scopus, UGC-CARE | -               | Jan-23    |
| 7       | Mrs. Shilpa Bhairanatti  | Evolution of 6G Era: A Brief Survey of Massive MIMO, mm Wave, NOMA-based 5G and 6G Communication Protocols, Role of Deep Learning and Inherent Challenges | SSRG International Journal of Electrical and Electronics Engineering  | ISSN: 2348-8379, Volume 10, Issue 1, DOI: 10.14445/23488379/IJEEE-V10I1P103 | Scopus, UGC-CARE | -               | Jan-23    |
| 8       | Dr. Jagadish Jakati  | ENHANCEMENT OF POWER SYSTEM AND CONTROL BY IMPLEMENTATION OF FACTS DEVICES  | Journal of Data Acquisition and Processing  | ISSN: 1004-9037, Vol. 38 (2), DOI: 10.5281/zenodo.777381                    | Scopus, UGC-CARE | -               | Apr 23    |
| 9       | Prof. Anita Patil, Shilpa Gudlanur, Kaveri Kenchanagoudar, Kadroli Preeti C, Trupti Vittal Jakkane | Atmega Controller Based Solar Wireless Electric Vehicle Charging  | International Journal of Research Publication and Reviews   | ISSN 2582-7421, Vol 4, no 5, pp 1180-1183 May 2023                          | -                | -               | May 2023  |



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|----|---|--|--|---|---|---|-------------|
| 10 | Prof. Sanmati Bedakihale,<br>Anupriya Ashtekar,<br>Pooja Chinagundi,<br>Apoorva Khanagoud,<br>Kusuma Dasappanavar               | Child Rescue System in Borewell  | International Journal of Research<br>Publication and Reviews | ISSN 2582-7421, Vol 4, no 5, pp 748-752<br>May 2023     | - | - | May<br>2023 |
| 11 | Prof. Anita Patil, Mr.<br>Pratik Badagavi,<br>Pooja B. Managanvi,<br>Megha Kumachagi,<br>Abhishek Shikalpur,<br>Manjunath Pawar | Design and Performance Evaluation of<br>Origami Based Incremental<br>Pleat Antenna | International Journal of Research<br>Publication and Reviews | ISSN 2582-7421, Vol 4, no 5, pp 1816-<br>1823 May 2023  | - | - | May<br>2023 |
| 12 | Prof. Shilpa Bhairanatti,<br>Aishwarya Bhairshetti, Jyoti<br>Tallur, Askan Nabuwale, Arvind<br>Angadi                           | Detection and Analysis of Plant Diseases<br>Using Image Processing                 | International Journal of Research<br>Publication and Reviews | ISSN 2582-7421, Vol 4, no 5, pp 2052-<br>2056 May 2023  | - | - | May<br>2023 |
| 13 | Dr.<br>Jagadish S Jakati,<br>Rafathnazneen Nadaf, Vijayalaxmi<br>Halennavar,<br>Tamaloon Sanglikar,<br>Varun Shedabale          | Development of Low Cost and Portable<br>Oxygen Concentrator                        | International Journal of Research<br>Publication and Reviews | ISSN 2582-7421, Vol 4, no 5, pp 1070-<br>1074 May 2023  | - | - | May<br>2023 |
| 14 | Prof. Soumya H,<br>Arshiya M Patel,<br>Yuvaka S Balaki,<br>Sampada L Lamani,<br>Srujana Achari                                  | Electricity Generation using Waste<br>Materials                                    | International Journal of Research<br>Publication and Reviews | ISSN 2582-7421, Vol 4, no 5, pp 1294-<br>1297 May 2023  | - | - | May<br>2023 |
| 15 | Prof. Narayan A.<br>Badiger, Sainand Prabhu, Swati<br>Hakare, Trupti Hawaldar, Vikas<br>Madanashetti                            | Intelligent Night Surveillance Using Drone   | International Journal of Research<br>Publication and Reviews | ISSN 2582-7421, Vol 4, no 5, pp 1903-<br>1910, May 2023 | - | - | May<br>2023 |
| 16 | Dr. Suresh Akkole,<br>Sahana R Kulakarni,<br>Raksha M Itekar,<br>Shreenidhi J Daddi,<br>Ashwini F Gudumker                      | IoT Based Aeroponics System  | International Journal of Research<br>Publication and Reviews | ISSN 2582-7421, Vol 4, no 5, pp 929-933<br>May 2023     | - | - | May<br>2023 |



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|----|--|---|---|--|------------------|---|----------|
| 17 | Prof. Shankargoud Patil, Preeyatosh Naik,  | IoT Based Patient Caretaker System  | International Journal of Research Publication and Reviews   | ISSN 2582-7421, Vol 4, no 5, pp 2260-2262, May 2023  | -                | - | May 2023 |
| 18 | Prof. Soumya Halagatti, Rahul Patil, Ranjeet Ghatage, Sagar C Goni, Vineet Sharat Torke                | Remote controlled Aquawaste collector with Iot Based water pollution monitoring and tracking system | International Journal of Research Publication and Reviews   | ISSN 2582-7421, Vol 4, no 5, pp 2147-2153, May 2023  | -                | - | May 2023 |
| 19 | Prof. Megha Karabashetti, Deepti Patil, Shreya Yenagi, Kaveri Chavan, Mahalaxmi Karerudrannavar        | SOLAR-BASED E-UNIFORMS FOR SOLDIERS WHO WORK IN EXTREME HIGH OR LOW TEMPERATURE                     | International Journal of Research Publication and Reviews   | ISSN 2582-7421, Vol 4, no 5, pp 1416-1418, May 2023  | -                | - | May 2023 |
| 20 | Dr. Jagadish Jakati, Akshay N Magundanavar, Shankar Talawar, Prashant Bekkeri, Rahul Mali              | Stamping Machine Automation   | International Journal of Research Publication and Reviews   | ISSN 2582-7421, Vol 4, no 5, pp 2330-2334 May 2023   | -                | - | May 2023 |
| 21 | Prof. Sanmati Bedakihale, Prarthana Metri, Priyanka Patil, Rajeshwari Karerudrannavar, Shruti Shivpuji | Voice Controlled Wheelchair   | International Journal of Research Publication and Reviews   | ISSN 2582-7421, Vol 4, no 5, pp 1042-1046 May 2023   | -                | - | May 2023 |
| 22 | Prof. Narayan A.B., Dr.Sridhar Iyer  | Design & Implementation of High Speed and Low Power PLL Using GPKD 45nm Technology                  | Journal of The Institution of Engineers (India): Series B   | ISSN:2250-2106, E-ISSN:2250-2114, DOI: <a href="https://doi.org/10.1007/s40031-023-00978-w">https://doi.org/10.1007/s40031-023-00978-w</a> | Scopus, UGC-CARE | - | Jan 2024 |
| 23 | Prof. Shankargouda Patil, Vallabh Deshpande, Shweta Naik, Sneha Patil, Vinayak Kelaginamani            | An Approach to diagnose Heart Arrythmia disorders using Embedded Machine Learning                   | IETE Sponsored 6 <sup>th</sup> National Conference on Emerging Trends in Engineering, Science, and Technology (NCETEST-6) | ISBN: 978-81-962601-3-2  | -                | - | May 2023 |
| 24 | Prof. Kiran Nandi, Sujeetkumar L P, Adarsh Koravi, Shweta Batagurki, Shruti Patil                      | An Innovative way of Recycling PET Bottles into 3-D Printing Filament                               | IETE Sponsored 6 <sup>th</sup> National Conference on Emerging Trends in Engineering, Science, and Technology (NCETEST-6) | ISBN: 978-81-962601-3-2  | -                | - | May 2023 |



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|----|---|---|--|---|------------------------|---|-----------|
| 25 | Prof. Shilpa Bhairanatti, Rahul Desai, Prasann Malanaik, Vidya Demannavar, Vishal Jinarali            | Development of Smart Advanced Bomb Disposal and Military Spying Robot                   | International Journal of Research Publication and Reviews  | ISSN 2582-7421, Vol 4, no 5, pp 1489-1495, May 2023 | -                      | - | May 2023  |
| 26 | Prof. Girish P Kadakol, Krishnaji Deshapande, Ritesh Killekar, Mahesh V Jadhav, Ganesh Ravaloji       | Electric Vehicle with Advance Driver Assistance System                                  | International Journal of Research Publication and Reviews  | ISSN 2582-7421, Vol 4, no 5, pp 2062-2067 May 2023  | -                      | - | May 2023  |
| 27 | Prof. Sidramayya Matad, Nivedita Muganur, Naveen Manawadi, Manohar Malagi, Manjunath Malagi           | SOLAR WIRELESS ELECTRIC VEHICLE CHARGING SYSTEM USING ESP32                             | International Journal of Research Publication and Reviews  | ISSN 2582-7421, Vol 4, no 5, pp 1921-1927, May 2023 | -                      | - | May 2023  |
| 28 | Prof. Anandraddi Naduvinmani, Bhoomika Banajger, Gourav Yelameli, Pallavi Mopagar, Vidyashree Pujeri  | IoT Based Human Hand  | International Journal of Research Publication and Reviews  | ISSN 2582-7421, Vol 4, no 5, pp 2135-2140, May 2023 | -                      | - | May 2023  |
| 29 | Prof. Sujay Gejji, Akanksha Ramane, Nihal Ahmed Mulla, Bushra Jamadar, Ayan Goravankol                | Solar Powered Voice Controlled Multipurpose Agriculture Robot using IOT                 | International Journal of Research Publication and Reviews  | ISSN 2582-7421, Vol 4, no 5, pp 1667-1674 May 2023  | -                      | - | May 2023  |
| 30 | Prof. Anandraddi Naduvinamanni, Pratik V. Patil, Shivraj B. Patil, Sahana S. Mutnal, Vedika U. Kammar | IoT Based Wireless Sensor Network for Air Pollution                                     | TIJER - INTERNATIONAL RESEARCH JOURNAL   | ISSN No: 2349-9249, Volume 10 Issue 5, May-2023     | -                      | - | May 2023  |
| 31 | Prof. Narayan A. Badiger, Dr. Sridhar Iyer  | Nanoscale CMOS Inverter: A Comparative Study On Propagation Delay And Power Dissipation | IETE Sponsored 6th National Conference on Emerging Trends in Engineering, Science, and Technology (NCETEST-6)  | ISBN: 978-81-962601-3-2                             | -                      | - | May 2023  |
| 32 | Prof. Narayan A. Badiger, Prof. Sujay Gejji, Dr. Sridhar Iyer   | Power and Delay Analysis of a CMOS Inverter   | IEEE International Conference on Data Science and Network Security (ICDSNS-2023), under IEEE Bangalore Section, Kalpataru Institute of Technology, Tiptur, Karnataka | 979-8-3503-0159-5/23/\$31.00 ©2023 IEEE             | Scopus, Web of Science | 2 | July 2023 |



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|----|---------------------|---|---|--|---|---|-----------|
| 33 | Mr. Pratik Badagavi | Origami Based Reconfigurable Square Flasher Antenna | IEEE 2023 4th International Conference of Emerging Technologies (INCET), JCE, Belagavi, Karnataka | DOI:<br>10.1109/INCET57972.2023.10170193 | - | - | July 2023 |
|----|---------------------|---|---|--|---|---|-----------|

### Books Published

| Sl. No | Name of Faculty | Title of the Book   | Name of the Publisher                         | ISBN No.          | Year     |
|--------|-----------------|---|---|-------------------|----------|
| 1      | Prof. Shilpa B. | Reconfigurable Antenna Design for THz B and 6G Applications | Majestic Technology Solutions Private Limited | 978-93-91303-41-9 | Apr 2023 |

### Book Chapters Published

| Sl. No | Name of Faculty         | Title of the Book   | Name of the Publisher | ISBN/ISSN number  | Year     |
|--------|-------------------------|---|-----------------------|---|----------|
| 1      | Prof. Veena Puranikmath | <b>Book Title:</b> Cognitive Sensors, Volume 1<br><b>Chapter Title:</b> Redundancy issues in wireless sensor networks | IOP Science           | Online ISBN:<br>978-0-7503-5326-7,<br>Print ISBN: 978-0-7503-5324-3 | Dec 2022 |