

SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
PUBLICATION DETAILS(July 2023- june 2024)

| Sl. No | Faculty Name | Title of the Paper | First Author | Co-Author | Name of the Journal | Name of the Conference | Publisher | Month of Publication | ISSN | UGC Approved | (SCIE/ SCOPUS) | Index | Impact Factor |
|--------|----------------------|--------------------------------------------------------------------------------------------------------|--------------------|------------------|---------------------|------------------------|----------------------------------------------------------------------------------------------|----------------------|------------------|------------------|----------------|------------------------------|---------------|
| 1 | Mrs Beena Puthillath | An operative approach for effective segmentation of Retinal Blood Vessels based on multilevel DNN | Mr. Sachin Gupta | Beena Puthillath | IJSIE | | Intelligent Systems and Applications in Engineering | Jul 2023 | | Scopus | | | 1.74 |
| 2 | Mr Varun Jose | SINGLE-PHASE BIDIRECTIONAL EDROC FOR ELECTRIC VEHICLES USING ARDUINO | Varun Jose | Nil | IJSREM | | (International Journal of Scientific Research in Engineering and Management | July 2023 | | UGC | | | 8.176 |
| 3 | Megha Jasmin Benny | Analysis of solar thermal power plants with thermal energy storage and solar hybrid operation strategy | Megha Jasmin Benny | Nil | IOSR-JMCE | | International Organization of Scientific research- Journal of Mechanical & Civil Engineering | June 2024 | 2320-334X | | | J-Gate, CrossRef, NASA | |
| 4 | Mrs Deepa.S | Impact of Ultrasonic Coil alignment Sensors on Electric Vehicle | Deepa.S | Nil | IJSREM | | International Journal of Scientific Research in Engineering and Management | June 2024 | ISSN : 2582-3930 | UGC Care Journal | | ef(Cross Ref ID1635 725967) | 8.448 |

PUBLICATION DETAILS(June 2022- May 20223)

| Sl. No | Faculty Name | Title of the Paper | First Author & Address | Co-Author | Name of the Journal | Name of the Conference | Publisher | Month of Publication | UGC Approved | (SCIE/ SCOPUS) | Index | Impact Factor |
|--------|---------------|-------------------------------------------------------------------------------------|------------------------|------------|------------------------|------------------------|------------------------------------------------------------------------------|----------------------|--------------|----------------|-------|---------------|
| 1 | Dr Jayanand B | Sustainable power conversion topology based STATCOM for reactive power compensation | Smrithy K | Jayanand B | Renewable Energy Focus | | Elsevier, ScienceDirect | December 2022 | | Scopus | | 5.72 |
| 2 | Mrs Deepa.S | A Novel Approach for Electric Vehicle Charging Using intelligent wire transmission | Deepa.S | Nil | IJSREM | | (International Journal of Scientific Research in Engineering and Management | June 2023 | | UGC | | |

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|---|---------------------|-----------------------------------------------------------------------------|--------------------|-----------------------------------------------------------|--------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|--|----------|--|--|
| 3 | Mrs Jayalakshmi.S | Voice activated Home Automation Aytomation Using Machine Learning & IOT | Jayalakshmi.S | Pranav Ramakrishnan,Vyshna v.K,Maxwell Martin,Arjunan.V.M | | | | May 2023 | | UGC Care | | |
| 4 | Ms. Beena Puthilath | Analysis of Reported Electrical Accidents in India | Beena Puthillath | Dr. M Bhasi, Dr C A Babu | | International Conference on Emerging Trends in Engineering & Technology (ICETET 2022) | | Jul 2022 | | | | |
| 5 | Mrs Priya Venugopal | IoT Based Fire Detection System | Priya Venugopal | Joseph Babu , Atul Venugopal , Sayooj Suresh | IJARST | | International Journal of Advanced Research in Science, Communication and Technology | Jun 2023 | | | | |
| 6 | Megha Jasmin Benny | OPTIMUM TILTANGLE CALCULATION OF A SOALR PANEL FOR MAXIMISING ENERGY OUTPUT | Megha Jasmin Benny | Sandhya Gopal | IJRERD | | International Journal of recent engineering research & development | May 2023 | | | | |

PUBLICATION DETAILS(June 2021- May 2022)

| Sl. No | Faculty Name | Title of the Paper | First Author | Co-Author | Name of the Journal | Name of the Conference | Publisher | Month of Publication | UGC Approved | (SCIE/ SCOPUS) | Index | Impact Factor |
|--------|-------------------|----------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------|------------------------------------------------------------------|------------------------|----------------|-----------------------------------|--------------|----------------|-------------------------------------|---------------|
| 1 | Dr Jayanand B | Scalar and Vector Controlled Infinite Level Inverter (ILI) Topology Fed Open-Ended Three-Phase Induction Motor | Hareesh A | Jayanand B | IEEE Access | | IEEE | July 2021 | | SCI | | 3.74 |
| 2 | Mrs Deepa.S | Overtaking Assistance using wireless camera and sensors | Mrs Priya Venugopal | Mrs Deepa S | International Journal of Advanced Research in | | IJARST | Volume 9, Issue1 Sept 2021 | Yes | | Index Copernicus, Google Scholar | 5.731 |
| | | Generation of Electricity from Waste Heat | Mrs. Deepa.S | Fathima Hussain, Tritin Thomas, Mohammed Rizan& Amaldev | International Journal of Advanced Research in Science, | | IJARST | Volume 10, Issue 1 October 2021 | yes | | Index Copernicus, Google Scholar | 5.731 |
| | | Energy Harvesting From Waste Heat Of Iron Box Using Thermo Electric Generators | Mrs Deepa.S | | INTERNET (International Journal of New Innovation in Engineering | | IJNIET | Volume 18, Issue2 , November 2021 | yes | | index researche rid, google scholar | 4.012 |
| 3 | Dr. Divya Nath K | AUTOMATED ROBOTIC ELECTRIC VEHICLE CHARGING MACHINE WITH DIGITAL PAYMENT | Dr. Divya Nath K | Akshay Dhanesh | (International Journal of Creative Research Thoughts) | | IJ Publication | Volume 9, Issue 6 July 2021 | Yes | | | 7.97 |
| 4 | Mrs Jayalakshmi.S | WIRELESS INFORMATION TRANSFER USING LASER | Jayalakshmi.S | Angel Jose, Aishwarya Anand, Harikrishna M G, Nakash Faisal K | International Journal of Advanced research in | | IJARST | Volume 2, Issue1 ,March 2022 | Yes | | | 6.25 |

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|---|----------------------|----------------------------------------------------------------------------|---------------------|------------------------------------------------------|-----------------------------------------------------|--|-----------------------|----------------------------|-----|--|--------------------------------------------------------------------------------------------------|-------|
| | | Analyzing the cause of human electrical accidents using Swiss Cheese model | Beena Puthillath | Dr. M Bhasi & Dr C A Babu | Vilakshan | | Emerald Publication | Sep 2021 | Yes | | Directories, Cross Ref, EBSSCO Directory Services, Scientific Indexing Service, Index Copernicus | |
| 5 | Mrs Beena Puthillath | Recreation of Conventional Tonga | Beena Puthillath | Mr. Abhishek Jose, Mr. Shojjo, Mr. Aswin, Mr. Shibin | Asian Journal of Engineering & Applied Technology | | Research Publications | Oct 2021 | Yes | | | 5.624 |
| 6 | Mrs Lekshmi Babu | MINI SOLAR POWER PLANT WITH WEATHER DETECTION SYSTEM | Lekshmi Babu | | (International Journal of Creative Research | | IJCRT | March 2022 | Yes | | | 7.97 |
| 7 | Mr Varun Jose | SMART AQUACULTURE MONITORING AND CONTROL SYSTEM USING IOT | Mr Varun Jose | | AL JOURNAL OF CREATIVE RESEARCH THOUGHTS - (IJARCT) | | IJCRT | Jan 2022 | yes | | index rese | 7.97 |
| 9 | Mrs Priya Venugopal | Overtaking Assistance using wireless camera and sensors | Mrs Priya Venugopal | Mrs Deepa S | International Journal of Advanced Research in | | IJARCT | Volume 9, Issue1 Sept 2021 | Yes | | | 5.731 |

PUBLICATION DETAILS(June 2020- May 2021)

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|--------|-----------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------|----------------------------------------|--------------|----------------|----------------------------|
| 1 | Dr Nandakumar M | 1. Enhanced performance of partially shaded photovoltaic arrays using diagonally dispersed total cross tied configuration | Mr. Vishnu Madhanmohan-GEC, Thrissur | 1. Dr.M.Nandakumar , SSET 2. Dr. Abdul Saleem P.K, GEC, Thrissur | Energy Sources, Part A: Recovery, Utilization, and Environmental Effects (2020) - Publisher - Taylor & Francis | | Taylor & Francis | Published online: 29 Sep 2020 | | SCIE | 1.184 (2019) Impact Factor |
| | | 2 An Algorithm for Enhanced Performance of Photovoltaic Array under Partial Shading Condition | Mr. Vishnu Madhanmohan-GEC, Thrissur | 1. Dr.M.Nandakumar , SSET 2. Dr. Abdul Saleem P.K, GEC, Thrissur | IEEE Access (2020) | | IEEE Access | Date of Publication: 22 September 2020 | | SCIE | 3.745 |
| | | 3. Comparison of DC-DC converters for PV Application usin PSIM Mode | Ms. Nayana, GEC, Thrissur | 1. Dr.M.Nandakumar , SSET 2. Dr. Rameshkumar P, GEC, Thrissur | | PEREA-2020-International Conference Organized by Govt. College of Engg. Thrissur | | | | | |
| | | 4. Durer's Squire based photo voltaic Configuration to Mitigate Partial Shading Losses | Mr. Vishnu Madhanmohan-GEC, Thrissur | 1. Dr.M.Nandakumar , SSET 2. Dr. Abdul Saleem P.K, GEC, Thrissur | | International Conference Organized by Govt. College of Engg. | | | | | |
| 2 | Mrs Deepa.S | Review of Thermo electric Generation | Deepa.S | Nil | (International Journal of Creative | | IJ Publication | Issue 4 , Date of Publication:Ap | Yes | | 7.97 |

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|---|-----------------------------|------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------|---|----------------------|------------------------------------------------------------------------------|-----|--|-------|
| 3 | Mrs Jayalakshmi.S | Smart Drainage Monitoring and Control System | Jayalakshmi S | Shaji,Sanjay.P.S, Jeswin Steephen,Akhine sh.K | IJCRT (International Journal of Creative | - | IJ Publication | Vol9, Issue 4, April 2021 | Yes | | 7.97 |
| 4 | Mrs Beena Puthillath | Energy Generation from Diary Effluent using MFC technology & Piezo electric transducer | Beena Puthillath | | Bulletin Monumental | | | Vol 22, Issue 2 Feb 2021 | yes | | 3.7 |
| | | Gas Leakage Detection and Alerting System for Home and Industry | Beena Puthillath | Salman P Y, Devika Krishna E K, Mohammed Adil V A, Soorya | IJCRT (International Journal of Creative | - | IJ Publication | Vol9, Issue 4, April 2021 | Yes | | 7.97 |
| | | Assessing The Change In Voltage In Citric Fruit Lemon Due To Ageing | Beena Puthillath | Dr.Rathish Menon, Aswini J, Priya Venugopal, Francis Thomas (Faculty, SSET) | Journal of Advanced Research in Science, Communicatio | - | Lambert Publications | Vol 4, Issue 2, April 2021 | | | 4.819 |
| | Mrs Lekshmi Babu | Novel Fire Alarm circuit for security purpose | Lekshmi Babu | Arjun Anil Kumar & Albert George (S3 EEE tudents , | (International Journal of Creative | | IJ Publication | Volume 9, Issue 5 May 2021 | Yes | | 7.97 |
| 6 | Mr Varun Jose | SINUSOIDAL COMMUTATION OF THREE PHASE BRUSHLESS DC MOTOR USING LOW - COST LINEAR HALL EFFECT SENSORS | Mr Varun Jose | Nil | IJCRT (International Journal of Creative Research Thoughts) | | IJ Publication | IJCRT 4/21/2021volum e 9 Issue 4 , Date of Publication:April 2021 2021-04-18 | Yes | | 7.97 |
| 7 | Mrs Lakshmi C.R | Linemen Safety Systems | Lakshmi C R | Nil | (International Journal of Creative Research | | IJ Publication | 4/21/2021volum e 9 Issue 4 , Date of Publication:April | Yes | | 7.97 |