

**Dr.Mahalingam College of Engineering and Technology: Pollachi -03**  
**Patent Details**  
**Department of Electrical and Electronics Engineering**

**Patent Details AY 2021-22**

| <b>S. No</b> | <b>Name of the Applicant/Inventor</b> | <b>Title of patent</b>  | <b>Date of the Filed / Published / Granted</b>              | <b>Status</b>     |
|--------------|---------------------------------------|---|---|-------------------|
| 1.           | Dr.A.Senthil Kumar                    | Model Predictive Current Control of Single-Phase 9-Level Reduced Switch Multilevel Inverter | Date of filing 13/05/2021.<br>Publication Date : 11/06/2021 | Published         |
| 2.           | Dr.A.Senthil Kumar                    | Smart Health Monitoring System  | Date of filing 24/03/2022.<br>Publication Date : 15/04/2022 | Published         |
| 3.           | Dr.M.Kaliamoorthy                     | Model Predictive Current Control of Single-Phase 9-Level Reduced Switch Multilevel Inverter | Date of filing 13/05/2021.<br>Publication Date : 11/06/2021 | Published         |
| 4.           | Dr.B.Vinoth Kumar                     | Switching Device  | Date of filing :21/02/2020<br>Publication Date : 24/04/2020 | Under Examination |
| 5.           | Dr. K. Umamaheswari                   | Real Time Based IoT Enabled Smart Metering System   | Date of filing 11/06/2021.<br>Publication Date : 16/07/2021 | Published         |
| 6.           | Dr.Chitra                             | Ergonomic Of Child Seat In Electric Tri-scooter   | Date of filing 24/09/2021                                   | FER received      |

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| 7.  | Dr.B.Kishore          | Cost Effective Congruence mechanism for self-regulating molding machine using IOT and signal processing               | Date of filing 11/05/2021 ,<br>Publication date: 16/07/2021 | Published                        |
| 8.  |                       | IoT Enabled Convenient Digital Spectrophotometer to Investigate Engine Oil and Impurities Level in Real Time Practice | Date of filing 12/07/2021 ,<br>Publication date: 11/06/2021 | Published                        |
| 9.  |                       | A Supporter for Portable Terminal   | Date of filing 04/09/2021                                   | <b>Granted on<br/>15.12.2022</b> |
| 10. |                       | IOT and Cloud, smart grid based control - Algorithm for Hybrid Power device using AI                                  | Date of filing 2/05/2022.<br>Publication Date : 13/05/2022  | Published                        |
| 11. | Dr.Anthony Jesudhurai | A System for power transmission trough Internet of things   | Date of filing :21/03/2022<br>Publication Date : 25/03/2022 | Published                        |
| 12. | Mr.R. Muthubharathi   | A DATA PROCESSING DEVICE FOR ELECTRIC VEHICLE BASED ON IOT  | Date of filing 10/03/2022.<br>Publication Date : 25/03/2022 | Published                        |
| 13. | Dr K Saranya          | PNH-Device: IoT-Based ICU Patient Notification and Health Monitoring Device   | Date of filing :23/11/2021<br>Publication Date : 10/12/2021 | Published                        |
| 14. | Mr.M.Saravanakumar    | AI Based On Digital Technology Aided Wearing Device For Advanced Data Collection                                      | Date of filing 06/05/2022.<br>Publication Date : 13/05/2022 | Published                        |

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| 15. |                    | Development of an Intelligently connected Distillation device for water Purification                                   | Date of filing :23/11/2021<br>Publication Date : 10/12/2021        | Published |
| 16. | Mr.D.Gnanaprakasam | Artificial Intelligence Employed To Create A Revolutionary Energy efficient Intelligent Device For Weather Observation | Date of filing 11/12/2021.<br>Publication Date : 17/12/2021        | Published |
| 17. |                    | Development of an Intelligently connected Distillation device for water Purification                                   | Date of filing :23/11/2021<br>Publication Date : 10/12/2021        | Published |
| 18. | Ms.K.Durgalakshmi  | Artificial Intelligence Employed To Create A Revolutionary Energy efficient Intelligent Device For Weather Observation | Date of filing 11/12/2021.<br>Publication Date : 17/12/2021        | Published |
| 19. | Mr.M.Praburaj      | Effective Solar - Thermal Plant with circulating solar radiation   | Date of Filing : 18/02/2022<br>Date of Publication :<br>04/03/2022 | Published |
| 20. | Mr.T.Sathishkumar  | Artificial Intelligence based smart powering technique using solar tracking system                                     | Date of filing 14/09/2021.<br>Publication Date : 29/10/2021        | Published |
| 21. |                    | Deep Learning Based Fault Detection Electrical Distribution Network  | Date of filing 30/10/2021.<br>Publication Date : 12/11/2021        | Published |
| 22. | Dr.K.Rameshkumar   | Model Predictive Current Control of Single-Phase 9-Level Reduced Switch Multilevel Inverter                            | Date of filing 13/05/2021.<br>Publication Date : 11/06/2021        | Published |

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| 23. |                   | AI Based Anti-Theft Detection in Two Wheelers                                | Date of filing :12/08/2021<br>Publication Date : 20/08/2021 | Published   |
| 24. | Dr.K.Rameshkumar  | Development of robotics hand fingers using worm and wheel mechanism          | Date of filing 25/11/2021.<br>Publication Date : 10/12/2021 | Published   |
| 25. |                   | A multipurpose solar taillight for bicycle                                   | Date of filing :19/11/2021.                                 | Filled  |
| 26. |                   | DETECTION OF BEETLES IN COCONUT GROVE  | Date of Filing : March 2022                                 | Filled  |
| 27. |                   | Ms.D.Suganya Devi  | Smart Health Monitoring System                              | Date of filing 24/03/2022.<br>Publication Date : 15/04/2022 |
| 28. | Mr. J.Nagarajan   | Machine Learning-Based Image Processing System to Analyse Human Skin Quality | Date of filing :29/04/2021<br>Publication Date : 07/05/2021 | Published   |
| 29. |                   | A Deep Convolutional Neural Network System for Lithium-Ion Battery Capacity  | Date of filing :02/10/2022<br>Publication Date : 14/10/2022 | Published   |
| 30. | Dr.N.Yogambal     | Battery Swapping Smart station for future E-vehicle transportation           | Date of filing :14/05/2021<br>Publication Date : 11/06/2021 | Published   |
| 31. |                   | Jayalakshmi  | Real Time Based IoT Enabled Smart Metering System           | Date of filing 11/06/2021.<br>Publication Date : 16/07/2021 |
| 32. | Ms.A.Selvanayakam | Smart Health Monitoring System   | Date of filing 24/03/2022.<br>Publication Date : 15/04/2022 | Published   |
| 33. | Ms.N.Aarthi       | Smart Health Monitoring System   | Date of filing 24/03/2022.<br>Publication Date : 15/04/2022 | Published   |

