



DEPARTMENT OF MECHATRONICS ENGINEERING
PATENT PUBLISHED: ACADEMIC YEAR 2021-2022

| S.No. | Application No | Date of filing | Publication Date | Title of the invention | Name of Applicant | Name of Inventor | Type (Design/Utility) | Country |
|-------|----------------|----------------|------------------|---|---|---|-----------------------|---------|
| 1 | 202141051954 | 12/11/2021 | 26/11/2021 | Automated Pineapple Peeling Machine Using Pneumatic Solenoid Valve | Rajesh S | Rajesh S Mrs . G.Mahalakhshmi Dr A.Radhika Dr S.Naga Gaythri Mr S.Madhankumar S. Madhankumar B.Nellaiappan R. Vijeth P. Sri Hari S. Shannon Abishek | Utility | India |
| 2 | 202141051121 | 08/11/2021 | 19/11/2021 | Self-Balancing Of Electric Two-Wheeler Using Gyroscope | Rajesh S | Dr S. Madhankumar Mr Uddaraju Prasad Varma Mr A. Tamilselvan Mrs G.Mahalakhshmi Mrs R.Geethamani Dr. J.Karthika Rajesh S S. Shubin Thomas T. A. Prawin Sankar S. Sooraj S. Pon Aswin | Utility | India |
| 3 | 202141049970 | 01/11/2021 | 19/11/2021 | Autonomous mobile robot for material handling using photoelectric sensors | Dr. K. Ananthi Dr. S. Madhankumar | Dr. S. Madhankumar Mrs Pooja Prasad Belagadi K. Ananthi S. Madhankumar S. Kannaki M.Bhuvaneswari T.Malaini Mrs.N.Subha | Utility | India |



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| | | | | | | Lakhshmi Mr K.Partheeban Mr S.Rajesh | | |
| 4 | 202141049814 | 30/10/2021 | 12/11/2021 | Intelligent Artificial Intelligence And lot Powered Efficient Energy Monitoring Architecture For The Smart Grid System | Dr.K. Ananthi Mr R.Balamurugan | Dr K. Ananthi Mr Anil Kumar Chinta Mr Nishant Shandilya Mr S.Rajesh P. Aadhavan J. Blesswin Suhirtharaj J. Ajai Robert | Utility | India |
| 5 | 202141049961A | 1/11/2021 | 19/11/2021 | QR code and coin based automatic face mask vending machine | Dr.M.Lydia Dr.D.Pritima Dr. J.IndiraPriyadhars hini Mrs.S.Kannaki Dr.K.Ananthi Dr .M.Bhuvaneswari Mrs.S.Nithya Priya Mrs.R.Priyadhars hini | Dr.M.Lydia Dr.D.Pritima Mrs J.IndiraPriyadharshi ni Mrs.S.Kannaki Mrs.K.Ananthi Mrs.M.Bhuvaneswari Mrs.S.Nithya Priya Mrs.R.Priyadharshini | Utility | India |
| 6 | 202141049831 | 30/10/2021 | 12/11/2021 | Internet of things based invention for intelligent irrigation system monitoring and controlling | Dr. S. Madhankumar Dr.K. Ananthi | S. Madhankumar K. Ananthi Nishant Shandilya P.Ramesh S. Nithya Priya S. Ashwin W. Joel Anton Anek Anil | Utility | India |
| 7 | 202141047926 | 21/10/2021 | 29/10/2021 | Automatic Unmanned Railway Level Crossing Gate | Rajesh S Dr. T. A. Selvan | Dr. T. A. Selvan Dr K.M Senthilkumar S. Madhankumar Mr Adithyaa Ramesh S. Panneerselvam P. M. Arunkumar | Utility | India |



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| | | | | | | Dr. N. Mithran Adithyaa Ramesh P. B. Akshey | | |
| 8 | 202141047301 | 19/10/2021 | 29/10/2021 | Automatic Headlamp Control System | Dr.S. Madhankumar | S. Madhankumar Dr. Selvan T A Abhinav Kumaar K Bavan kalyan R Arunachalam Senthilkumar Hrithik K | Utility | India |
| 9 | 202141020063 | 01/05/2021 | 11/06/2021 | Low-Cost Fatigue Test Rig | Rajesh S Partheeban K MadhanKumar Ramesh P Lokesh Kumar P J Dr S.D Sekar Sivakumar | Rajesh S Partheeban K MadhanKumar Ramesh P Lokesh Kumar P J Dr S.D Sekar Sivakumar | Utility | India |
| 10 | 202141027199A | 17/6/2021 | 2/7/2021 | Industrial tools sterilization system | Dr. J.IndiraPriyadhars hini T.Sivaranjani K.Ananthi Dr D.Shamia M.R.Raveendran L.Sreevidhya | Dr. J.IndiraPriyadharshi ni T.Sivaranjani K.Ananthi Dr D.Shamia M.R.Raveendran L.Sreevidhya | Utility | India |
| 11 | 202141043523 | 25/09/2021 | 01/10/2021 | A Smart Application for night vision patrolling robot using cloud based IoT with CNN | Dr B.Saktivel Dr K.Jayaram Dr KR.Ramela Dr K.N.Balupritiviraj Mrs Dr.D.Pritima Dr R.Renugadevi Dr P.SureshPandiaraj an Dr .M.Usharani | Dr B.Saktivel Dr K.Jayaram Dr KR.Ramela Dr K.N.Balupritiviraj Mrs Dr.D.Pritima Dr R.Renugadevi Dr P.SureshPandiarajan Dr .M.Usharani | Design | India |
| 12 | 202141055392 | 30/11/2021 | 10/12/2021 | Development of | S.Rajesh | M.Bhuvaneswari | Design | India |



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| | | | | an intelligent connected distillation device for water purification | Dr. M.Bhuvanewari | Mr.R.Senthilkumar Mr.R.Carol Praveen Mr.P.Siva Subramanian Dr.Damanapeta Narsimhachary Ms.K.Durgalakshmi Mr.D.Gnanaprakasam Mr.S.Rajesh | | |
| 13 | 202141054340A | 24/11/2021 | 10/12/2021 | Intelligent Agriculture system to Assist farmers in choosing better decisions using data science | Rajesh S Dr S.Karthigai Lakshmi | Rajesh S Dr S.Karthigai Lakshmi Dr Akilesh kumar Singh Dr Inayat Ullah DR c.Sujatha Mr K S Arun Kumar Mrs A.Geetha Mrs G.Saranya Mr J.Vetrimanukumar Mr S.Panneerselvam Mrs S.Kannaki | Design | India |
| 14 | 202141054923 | 27/11/2021 | 10/12/2021 | Design system for driver risk assessment using machine learning and fuzzy logic | Dr.V.Narasimharaj | Dr.V.Narasimharaj | Design | India |
| 15 | 202141053821 A | 23/11/2021 | 10/12/2021 | Virtual instrumentation based automatic fabric defect detection system for textile industries | Dr. Indirapriyadharshini .j | Dr. A sanjeevi Gandhi Sivaranjani Gayathri.S Dr.K.P. Parthiban Nithya niranjan T P Vishnu girishkumar | Design | India |
| 16 | 202141054333 | :24/11/2021 | 10/12/2021 | Steel Concrete | Dr. R. Gopinathan | Dr.G.Lavanya | Design | India |



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| | | | | Composite Structure Design | | Dr.T.Pradeep Mr. Durga Chaitanya Kumar Jagarapu Dr. Syed Hamim Jeelani | | |
| 17 | 353645-001 | 24/11/2021 | 17/01/2022 | electric scooter for handicapped | Dr.S.Balasubramani | Mr. P.Anbarasu Dr. M.Varatharaj. Mr. A.Venkatesh Dr. S.Balasubramani Dr.D.Palanivelrajan Dr.V.Muralidharan | Design | India |
| 18 | 202241011252 A | 03/02/2022 | 03/25/2022 | Automatic oxygen level monitoring system for closed air conditioning areas | Dr. Indirapriyadharshini | Azhagumurugan R Dr A. Sanjeevi Gandhi R.Gokila T.Sivaranjani | Design | India |