



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Faculty Patents

Faculty Patent Details

Academic Year	No of Patent Published	No of Patents Granted
2023-2024	1	0
2022-2023	5	5
2021-2022	0	1



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Faculty Patents

2023-24/EEE

S.No	Name of the Faculty	Patent Title	Filed/Published/Grant	Patent No	Date
1.	DrMadhuValavala	Cloud Based deep Learning Model for Predicting battery drain in electric vehicles based on driving pattern and external factors	Published	202341088 571	19-1-2024



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Faculty Patents

2022-23/EEE

S.No	Name of the Faculty	Patent Title	Filed/Published/Grant	Patent No	Date
1.	Dr.Y.Venkatesh Mr..A.Satyanarayana	A System And Process For Synthesizing Tio ₂ Composite And Fabricating Coating On A Glass Substrate	Grant	427220	28-03-2023
2.	Dr.Y.Venkatesh Mr.A.Satyanarayana	A System And Process For Synthesizing A Seven-Layer Ultraviolet And Near Infrared Titania/Silica Reflector	Grant	426427	23-03-2023
3.	Dr.Y.Venkatesh Mr.A.Satyanarayana	A Dip-Coater System For Fabrication Of Hydrophobic Coating On Cotton Fabric And Its Method Thereof	Grant	427159	27-03-2023
4	Dr.VenkateshYepuri, A. Satyanarayana, S. Suresh Kumar,	A Device For The Construction Of A Magnetic Stirrer	Grant	20 2022 103 194	27-6-2022
5	Dr.VenkateshYepuri, A. Satyanarayana, NandyalaLavanya, B. Subrahmanyam	A Spray Pyrolysis System For Coating Multilayers	Grant	2020221035 28	11-7-2022
6	Dr. YepuriVenkatesh, Addala Satyanarayana,	A System And Process For Synthesizing Tio ₂ -Sio ₂ Composite And Fabricating Coatings On A Glass Substrate	Published	2022410532 41	17-09-2022
7	Dr. VenkateshYepuri	A Method For Preparing Nanogels For Cancer Drug Delivery	Published	2022410736 27	19-12-22
8	DrMadhuValavala	An AI Based System for Providing Adaptive Services for An IOT Environment	Published	2022410437 52 A	05-08-22
9	DrMadhuValavala	Micro Grid Integration with Hybrid Source Electric Charging Station	Published	2022110547 99	07-10-22
10	DrMadhuValavala	Portable universal converter tool kit for converting an IC engine to an electric vehicle	Published	2022410715 73	30-12-22

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**Faculty Patents****2021-22/EEE**

S.No	Name of the Faculty	Patent Title	Filed/Published/Grant	Patent No	Date
1.	DrMadhuValavala	The Iot Based Doorbell Management System	Published	202141015480	09-04-21
2.	DrMadhuValavala	Three-Port Converter for Induction Motor Drive System	Published	202141039042	10-09-21
3.	DrMadhuValavala	IOT Enabled Solar Power Monitoring System	Grant	2021101848	19-05-21
4	DrMadhuValavala	Intelligent hybrid implementation of EV and smart grid charging station	Published	202141047414 A	29-10-21
5	Dr. YepuriVenkatesh,	A Method And A System For Fabrication Of A Dielectric Reflector	Published	366993	19-05-21
6	Dr.C.SivaPragash	Machine Learning based vehicle accident prediction model in rainfall	Published	202141040630 A	24-09-21
7	B. Subrahmanyam	Smart recycle lithium jon battery technology for Electric vehicle	Published	202141034488 A	06-08-21