

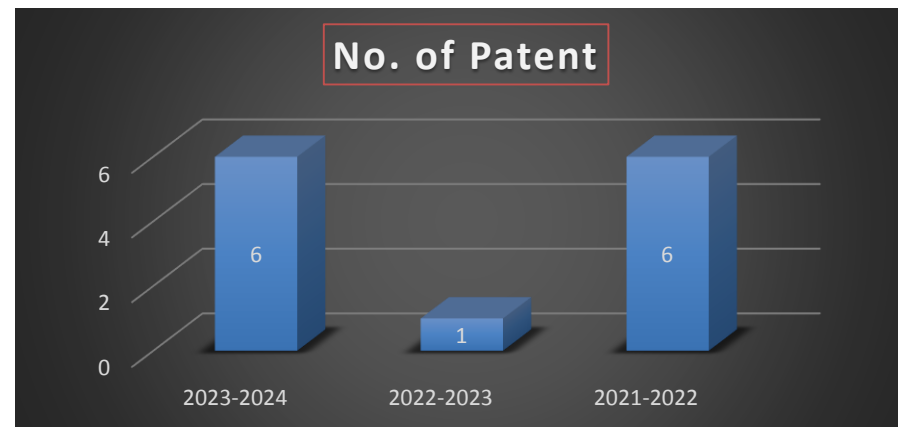


SETHU INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PATENT DETAILS

Academic Year	No. of Publication
2023-2024	6
2022-2023	1
2021-2022	6



Academic Year 2023-2024

S.No.	Name of the Faculty	Patent Title	Application No.	Date of Filing	Field of Invention	Date of Publication
1.	Dr.P.Meenalochini	Hybrid electric vehicle with electric motor providing strategic power assist to load balance internal combustion engine	202441000035	01-01-2024	Electrical	26-01-2024
2.	Dr.P.Meenalochini	Liquid rechargeable lithium ion battery for electric vehicle using deep learning approach	202341089553	28-12-2023	Electrical	12-01-2024
3.	Dr.P.Meenalochini	Automatic electric vehicle driving method based on artificial intelligence	202341084575	11-12-2023	Electrical	05-01-2024
4.	Dr.P.Meenalochini	Virtual AI therapist for mental health monitoring and interventions	202341078526	19-11-2023	Electrical	05-01-2024
5.	Dr.P.Meenalochini Mr.S.Kannadasan	Neural network-based predictive maintenance for IOT-connected industrial equipment	202341073629	29-10-2023	Electrical	15-12-2023
6.	Mr.C.Immanuel Dr.P.Meenalochini	Voice – activated home energy management using machine learning	202341071332	19-10-2023	Electrical	01-12-2023

Academic Year 2022-2023

S.No.	Name of the Faculty	Patent Title	Application No.	Date of Filling	Field of Invention	Date of Publication
1.	Mr.V.Prabhu	IOT based retractable roofing system cum solar power generation using foldable solar panels	202341028429	19-04-2023	Electrical	12-05-2023

Academic Year 2021-2022

S.No.	Name of the Faculty	Patent Title	Application No.	Date of Filing	Field of Invention	Date of Publication
1.	Dr.P.Meenalochini	IOT based retractable roofing system cum solar power generation using foldable solar panels	202241025614	02-05-2022	Electrical	13-05-2022
2.	Dr.P.Meenalochini	Internet of things enabled smart forest fire monitoring system	202241020857	07-04-2022	Electrical	22-04-2022
3.	Dr.P.Meenalochini	PV based battery monitoring system using Internet of things	202241016026	22-03-2022	Electrical	25-03-2022
4.	Dr.P.Meenalochini	Automates identification and repair of defects in Lithium-Ion Batteries using AI	202141049769	29-10-2021	Electrical	26-11-2021
5.	Dr.P.Meenalochini Mr.S.Kannadasan	IoT based Smart hybrid grid energy system with energy efficiency in remote area location	202141042297	18-09-2021	Electrical	18-10-2021
6.	Dr.P.Meenalochini Dr.S.Vijayarajan	Smart recycles lithium ion battery technology for electric vehicle	202141034488	30-07-2021	Electrical	06-08-2021