VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, MADURAI
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
PATENT DETAILS

	Academic Year 2021-2022					
S. No	Categories (Design/Utility)	Title of the Invention	Application Number	Filling Date	Date of Publication	Status
1	Utility	AI based Women and Child Safety Device	202141005120 A	12-02-2021	12-02-2021	Published
2	Utility	Urban Surveillance System in Smart Cities by Automated Detection Using CNN	202241002809	04-02-2022	04-02-2022	Published
3	Utility	IoT Based AC Remote Controller Using Google Assistant	202241009449 A	04-03-2022	04-03-2022	Published

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S. No	Categories (Design/Utility)	Title of the Invention	Application Number	Filling Date	Date of Publication	Status
		Academic Year 2022-2023				
1	Design	Surveillance Robot for Thermal Vision and Obstacle Detection	380854-001	06-03-2023	06-03-2023	Granted
2	Design	Design of Smart Key for Vehicles	381152-001	09-03-2023	09-03-2023	Granted
3	Utility	Implementation of Handpose Recognition System for Mobile and Embedded Devices	202331014004	10-03-2023	10-03-2023	Published
4	Utility	Artificial Intelligence based Early Bacterial Detection in Bloodstream Infection using Deep Transfer Learning Algorithm	202331014002	10-03-2023	10-03-2023	Published
5	Utility	5G Wireless Communication for Future Health Care Sector	202310370	29-07-2022	29-07-2022	Published
6	Utility	Automatic Penalty on Traffic Rules Violations Based on Blockchain and Machine Learning	202241068121	23-12-2022	23-12-2022	Published

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\multicolumn Academic Year 2023-2024						
S. No	Categories (Design/Utility)	Title of the Invention	Application Number	Filling Date	Date of Publication	Status
1	Design	Smart Spectacle with Projector	397813-001	17-10-2023	17-10-2023	Granted
2	Utility	Early Detection of Kidney Failure by Using KNN and SVM	202341058294	08-09-2023	08-09-2023	Published
3	Utility	Solar powered surveillance camera	388293-001	13-06-2023	13-06-2023	Granted
4	-	Exam Malpractice Detector	202341036796	18.08.2023	18.08.2023	Published
5	Utility	Saving Life in Structural Health Monitoring	202341036815	01.09.2023	01.09.2023	Published
6	Design	Design of wireless sensor and actuator network for irrigation based on IOT technology	202321089575	26.01.2024	26.01.2024	Published
7	Utility	Monitoring method based on IOT Architecture, FOG operation terminal and IoT Systems	202441044960A	21.06.2024	21.06.2024	Published
8	Design	AI based Health Indicator Band	381363-001	-	-	Filed

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S. No	Categories (Design/Utility)	Title of the Invention	Application Number	Filling Date	Date of Publication	Status
Academic Year 2024-2025					
1	Design	Enchancing E-Commerce Fraud Detection Through Machine Learning and Personality analysis for a Secure Digital Economy	202411093078 A	28/11/2025	03/01/2025	Published
2	Design	Electromagnetic Compatibility of Antennas in IOT Systems	202441086538 A	09/11/2024	15/11/2024	Published
3	Design	Dynamic Resource Allocation for IoT Applications Through AI-Enabled Cloud Systems for Efficient energy management in smart homes	202541008041 A	30/01/2025	07/02/2025	Published
4	Design	Smart IOT System for Slope Diaster Detection and Early Warning	202441062340	17/08/2025	23/08/2025	Published
5	Design	Traffic Prediction System in Smart City Using Artificial Intelligence	202441061615 A	14/08/2025	23/08/2025	Published
6	Design	AI Based Cloud Data Analysing Device	421598-001	28/06/2024	22/08/2024	published

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7	Design	IOT Based Biometric Authentication System	434701-001	18/10/2024	16/12/2024	Published
8	Design	IOT Based Agricultural Environmental Parameter Monitoring Device	426238-001	08/08/2024	04/11/2024	Published
9	Design	IOT Integrated Healthcare Monitoring and Alert System	429896-001	10/09/2024	18/11/2024	Pubished