



**VIVEKANANDHA COLLEGE OF
ENGINEERING FOR WOMEN**
[AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI]
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Patent Details 2024-2025

S.No	Faculty Name & Designation	Dept	Title	Patent/ Application No.	Date of Published/ Granted
Published					
1	Dr. R. Nithya	CSE	Improving Over dispersed Data Analysis with Efficient Dirichlet Multinomial Distribution Computation	2025410233347 A	17.03.2025
2	Dr. G. Vijayakumar	CHEMISTRY	Electric Power Generation from Biomass Gasification: A Study of System Efficiency and Optimization	202421062188 A	30.08.2024
3	Dr.S.Kannan	EEE	Machine learning - Enhanced Optimization of AG-LoadedB1FE03/Cus Photocatalysts for efficient Antibiotic removal	202411075465 A	06.12.2024
4	Dr.KCK.Vijayakumar, Dr. P.T. Kalaivaani, R.S.Mathubala, V.K.Brindha, G.Geevithra, T.Abinaya, G.Brundha, S.Deepa, S.Vinothkumar	ECE	Solar Based Peacock Repellent Syatem	202541044148 A	30.05.2025
5	Ms.C.Visali Dr.S.Radha	IT	Waste collecting Robot in the Ocean	202541041541 A	30.05.2025
6	Mr.K.Mathivanan	CSE	Cybercrime detection and prevention using automated Machine learning in IOT Forensics	202411094352 A	20.12.2024
7.	Dr.A.Santhosh Babu	IT	Autism Detection using Pre-Trained	202441059195 A	09.08.2024

			models in Machine Learning		
8.	Mrs.D.Radhika	CSE	A machine Learning Frame work for Predicting and Enhancing Student Emotion and Satisfaction in online Education	202421094534	02.12.2024
Granted					
1	Dr.R.Nirmala	ECE	Wireless Smart Camera System	422803-001	11.09.2024
2	Dr.P.T.Kalaivaani	ECE	Agriculture Drone for Spraying Fertilizer	438920-001	03.02.2025
3	Dr. P. T. Kalaivaani	ECE	Rover for Soil Testing and Fertilizer Dispensing	415196-001	25.07.2024
4	Dr. P.T. Kalaivaani	ECE	Rover for Plant Disease Detection	415196-001	07.12.2024
5	Dr.K.Thenmalar	EEE	Integrated Solar-Powered Electric Vehicle Charging Hub With Energy Storage System	414284-001	17.03.2025
6	Dr.A.Pradeep	EEE	Underwater Drone for Detecting Micro plastic	419960-001	11.09.2024
7	Dr.A.Pradeep	EEE	AI Powered Dot Solutions for Smart Home Automation Enhanced Security Features	202441069622 A	20.09.2024
8	Dr.S.Chozhavendan Mrs.P.Anbarasi	BT	Cold Water Vending Machine	434515-001	21.05.2025
9	Mrs.M.Fathima	BT	Herbal Medicine Formulating Apparatus	434519-001	23.12.2024
10	Dr.M.Rajamehala	BT	Apparatus For Cancer Detection	434985-001	27.10.2024

11	Dr.K.Gilbert Ross Rex	BT	Wearable device for continues monitoring of estrogen level through sweat	423347-001	05.09.2024
12	Dr.Subramanian Nallusamy	BT	Microalgae Photo bio reactor for Air Purification	6399111	24.10.2024
13	Dr.M.Rajamehala	BT	Composite Structure Fabrication Machine	436054-001	23.12.2024
14	Mr.K Rajasekar	MECH	Cognitive Control Architecture For Intelligent Mechatronic Systems In Precision Manufacturing	202541056066 A	20.06.2025
15	Dr.B.Selvakumar	ECE	Machine for Arc Heating Based Metal Additive Manufacturing	442390-001	18.02.2025
16.	Dr.R.Kavitha	ECE	Smart Bill Dispenser Device for Patient medication Adherence Management	202441091401A	06.12.2024
17.	Mr.B.Manivannan	CSE	IOT Based Computing Device for Finance Management	430995001	20.09.2024
18.	Mrs.S.Gowsika	CST	Smart Bluetooth Hearing and Communication Device	448135-001	19.05.2025