VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY (Autonomous)
(Accredited by NAAC with A+ Grade)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
(Accredited by NBA)

LIST OF PATENTS (2023-2024)

SNo.	Name of the Inventor	Name of the Patent	Application Number & Date of filing	Status
1	Dr.S.Jabeen Begum	Implementation of Graph-Based Machine Learning Techniques for Just-In-Time Defect Prediction of Manufacturing Units	202341055409 18.08.2023	Published on 01.09.2023
2	Dr.V.Latha Jothi	Design patent on "AI Based Apparatus for Identification of Skin Disease"	383347-001 07.04.2023	Published on 13.07.2023
3		Implementation of Artificial Intelligence Based Techniques for Robotic and Autonomous Inspection of Mechanical Systems and Civil Infrastructure	202341047784 15.07.2023	Published on 01.09.2023
4		Design Patent on "AI based Hybrid Leg"	398175-001 20.10.2023	Published on 20.11.2023
5		Early Detection of Heart Disease in Type 2 Diabetes Patients Using Machine Learning and Big Data Analysis	202441031893 22.04.2024	Published on 26.04.2024
6	Dr.S.Russia	Enhancing Smart City & IoT Solutions with Adversarial LSTM & CNN Models	202341049093 20.07.2023	Published on 01.09.2023
7		Machine Learning (ML) & Artificial Intelligence (AI) Approach for Traning Signal in 6G Wireless Sensor Network	202311060171 07.09.2023	Published on 06.10.2023
8	Dr.S.Gokulraj	Design patent on "Smart Tablet Vending Machine"	388995-001 24.06.2023	Published on 23.08.2023
9	Dr.V.Kavitha	Autonomous Nursing Robot for Hospitals Based on Wireless Beacon Network	202341068192 11.10.2023	Published on 20.10.2023
10	Ms. M.Mohanasundari Ms. C.Kotteeswari	Design patent on "AI based Blood Flow Monitoring Device in Head"	397793-001 17.10.2023	Published on 23.11.2023
11	Mr. S. Vivekanandan	ML based Supervising and Recovering Software Components Associated with Medical Diagnostics Instruments	20234108615 17.12.2023	Published on 12.01.2024
12	Ms.S.Nithya	Block Chain & Cloud Computing based Criminal Digital Forensic Investigation & Prediction using AI & ML Algorithms	202341065078 28.09.2023	Published on 06.10.2023
13	Ms.M.Thilagarani	Implementing AI Techniques to Analyse the Futuristic Trends in Diabetic Retinopathy	202341055450 18.08.2023	Published on 01.09.2023

14	Mr.A.P.Gopu	Design patent on "Compact Finger Wearable Mouse"	395641-001 21.09.2023	Published on 08.11.2023
15	Mr. S. Senthilnathan	Deep Learning Framework for Image-Based Breast Cancer Detection	202441000552 03.01.2024	Published on 02.02.2024
16	Ms. I. Nivetha	AI based Smart Conversational Robot to Assist Blind Peoples using Cloud & ML Algorithms	202341065080 28.09.2023	Published on 01.12.2023
17	Mr. P. Mariappan	**UK design patent with grant on "Cholesterol Monitoring Device"**	6319725 18.10.2023	**Granted** on 04.12.2023
18	Ms. D S Eneeya Sri	Recycling of Waste Water & Water Management into Irrigation Water in Smart Cities Using IoT	202341059449 05.09.2023	Published on 06.10.2023

No. of patents Published : 17

No. of patents Granted : 01