

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Patent Details

Patent Granted

Sl. No.	Name of Author/s	Title of the Invention	Application Number	Year of Publication	Status Granted/Applied
1.	Dr.Jyoti Neginal	A Reversible data Embedding Approach for Secure Data Transmission with minimized Distortions	592712	18/6/2026	Granted
2.	Dr.Manikamma	Design of AI integrated IOT Visualization	6522891	29/5/2026	Granted
3.	Dr.Nandini S Patil	Wireless Smart Meter System	417481-001	20/5/2024	Granted
4.	Dr.Shivaleela Patil	Wrist Band for Monitoring and Treatment of Epilepsy	416375-001	09/05/2024	Granted
5.	Dr.Shivaleela Patil	AI based Lung cancer testing device.	398784-001	30/10/2023	Granted
6.	Dr.ManikammaMalipatil	A novel watermarking techniques for 3D mesh objects	202141021974A	11/06/2021	Granted

Patent Published

Sl. No.	Name of Author/s	Title of the Invention	Application Number	Year of Publication	Status Applied/Published
1.	Mrs.Priyadarshini	A Federated Generative Artificial Intelligence System for Climate Adaptive agricultural Decision Support and Sustainable Crop Yield Prediction	202641083108	06/07/2026	Published
2.	Mrs.Shweta M, Mrs.Chetana Mrs.Jagadevi S Anandi	Intelligent Skill Gap Identification and adaptive Learning Recommendation System Using Machine Learning and Big Data Analytics in Higher Education.	202641051403 A	15/05/2026	Published
3.	Dr.Jyoti R M Dr.Shruti S A	AI Driven Brain Diseases Detection and Diagnostic Device	6535781	29/07/2026	Published
4.	Dr.Poonam Reddy	Augmented Reality Based Training and Simulation Device	499863-001	27/04/2026	Published
5.	Dr.Pushpalata	AI Based Electronic Travel AID For Visually Impaired and Blind People	202641004819	30/01/2026	Published
6.	Dr.Sridevi M Hosamani	A Real Time Implementation of Data Hiding in Audio Military Application Using Machine Learning	202541007277	29/01/2025	Published
7.	Prof.Shruthi S A	An Analysis and Monitoring the body movements of coma patients using Wearable motion sensor system.	202341070769A	1/12/2023	Published
8.	Prof.Chethana	IOT Sensors in environmental monitoring system using Artificial Intelligence	202341035781A	01/09/2023	Published

9.	Prof.Shradha A Dulange	AI –Enhanced Enterprise resource planning system for manufacturing industries: Optimizing production efficiency,quality control and supply chain management	202341025024A	07/04/2023	Published
10.	Prof.Shradha A Dulange	Predicting Criminal activity:AI&ML in crime risk analysis	202341064022A	06/10/2023	Published
11.	Prof.Shradha A Dulange	A system for controlling smart hybrid scooters using IOT technology	202341029183A	26/05/2023	Published
12.	Prof.Jyoti Neginal	A reversible data embedding approach for secure data transmission with minimized distortions	202341019329A	31/03/2023	Published
13.	Prof.Jyoti Neginal	A Robust approach for content based image retrieval using efficient feature extraction and classification approach	202341019444A	31/03/2023	Published
14.	Prof.Jyoti Neginal	Packet loss and error recovery optimization for scalable video coding approach to provide QOS support for mobile adhoc network.	202341019477A	31/03/2023	Published
15.	Prof.Pushpalata	An accurate Vehicular movement understanding system in areal images using convolutional neural network architecture	202341003253A	17/02/2023	Published
16.	Prof.Pushpalata	A system for multiclass plant classification based on convolutional neural network	202341005612A	24/02/2023	Published

		architecture for accurate plant species detection.			
17.	Prof. Shruti S A	Machine learning based facial and emotional identification techniques for Pharma applications	202241000846A	04/02/2022	Published
18.	Dr.Jyoti R Marnur	A system for secure clustering and data transmission in vehicular adhoc network using weight evaluation	202241020085A	15/04/2022	Published
19.	Dr.shivaleela Patil	Deep learning based detection of chronic heart disease using feature extraction of ECG	202141048049A	29/10/2021	Published
20.	Prof.ShwetaMadiwal	Image processing and machine learning based detection of malignant skin cancer using support vector machine(SVM) classifier	202141036593A	24/09/2021	Published
21.	Dr. Manikamma Malipatil	Ecryption technique for 3D point cloud models with mapping	202141030613A	23/07/2021	Published
22.	Prof.Pushpalata	An accurate Vehicular movement understanding system in areal images using convolutional neural network architecture	202341003253A	17/02/2023	Published
23.	Prof.Pushpalata	A system for multiclass plant classification based on convolutional neural network	202341005612A	24/02/2023	Published

		architecture for accurate plant species detection.			
24.	Prof. Shruti S A	Machine learning based facial and emotional identification techniques for Pharma applications	202241000846A	04/02/2022	Published
25.	Dr.Jyoti R Marnur	A system for secure clustering and data transmission in vehicular adhoc network using weight evaluation	202241020085A	15/04/2022	Published
26.	Dr.ManikammaMalipatil	A novel watermarking techniques for 3D mesh objects	202141021974A	11/06/2021	Published
27.	Dr.shivaleela Patil	Deep learning based detection of chronic heart disease using feature extraction of ECG	202141048049A	29/10/2021	Published
28.	Prof.ShwetaMadiwal	Image processing and machine learning based detection of malignant skin cancer using support vector machine(SVM) classifier	202141036593A	24/09/2021	Published
29.	Dr. Manikamma Malipatil	Ecryption technique for 3D point cloud models with mapping	202141030613A	23/07/2021	Published