



**Department of Information Technology**

**PATENT DETAILS**

**2025 – 2026**

Sl. No	Title of the Invention	Name of the Faculty	Application Number	Filing Date	Status	Date of Publication	Document Link
1.	Artificial Intelligence Enabled Image Analysis for Battery Performance Optimization Using Deep Neural Networks	Ms. Meenakshi S Dr. H. Vennila Dr. N. Mahalakshmi Dr. P. S. Gomathi Dr. Jeya Caleb J Ms. Jeba Malar. M Dr. V. Samuthira Pandi <b>Dr. K. Palraj</b> Dr. Sampath K Ms. Munjeti Sowjanya	202541088621	17-09-2025	Published	17-10-2025	<a href="https://shorturl.at/wAGu8">https://shorturl.at/wAGu8</a>
2.	Quantum Inspired Machine Learning Framework for Predicting Chemical Reaction in Nano-Materials	S Singaravelan Ms.S.M. Madhumathi Dr.B.Suvitha Ms.S.Oviya Ms.S.Dharanika Mrs. M.Yasmin Dr.M.Seema Mrs. R.Vidhyalakshmi Mrs. M. Shabana Fathima Mr. P. Chandra Sekhar Dr.Aravind Balakrishnan <b>Mrs. B. Thevahi</b>	202641002320	01-08-2026	Published	30-01-2026	<a href="https://shorturl.at/AcJ0d">https://shorturl.at/AcJ0d</a>
3.	Deep Learning-Based Multimodal Medical Analysis and Decision Support System	S Singaravelan Dr.N.Krishnaveni Ms.K.Santhiya Ms.S.Oviya Mr.K. Vinodh Kumar Mrs. S. Uma Maheswari Mrs. K.Kalpana Mrs.R. Vidhyalakshmi Mrs. M. Shabana Fathima	202641002760	01-09-2026	Published	30-01-2026	<a href="https://lnk.ua/dyGKbQ840">https://lnk.ua/dyGKbQ840</a>

Sl. No	Title of the Invention	Name of the Faculty	Application Number	Filing Date	Status	Date of Publication	Document Link
		Mr. G S Arun Kumar Dr.Aravind Balakrishnan <b>Mrs. B. Thevahi</b>					
4.	Driver Drowsiness Detection System	Dr.I.Gethzi Ahila Poornima Ms.G.Sakthi Priya <b>Dr.V.Anusuya</b> Dr.K.Vijayalakshmi	202241053660	20/09/2022	Grant	30-01-2026	<a href="https://shorturl.at/H9PIId">https://shorturl.at/H9PIId</a>
5.	Machine Learning-Driven System for Real-Time Weather Analysis, Climate Forecasting, and Early Disaster Alerts	S Singaravelan Ms.N.Rigana Fathima Dr.S.Mary Selvi Mrs.Anupa P Sajan Ms.D. Evangeline Nesa Priya Ms. Nishan A H Mrs. S. Anitha Mrs.R. Vidhyalakshmi Mrs. M. Shabana Fathima Mr. G. Praburam Dr.Aravind Balakrishnan <b>Mrs. B. Thevahi</b>	202641002346	08-01-2026	Published	30-01-2026	<a href="https://lnk.ua/WqVR6YRrY">https://lnk.ua/WqVR6YRrY</a>
6.	Real-Time Intelligent Maritime Surveillance Framework Employing Deep Learning, Sensor Fusion, and Anomaly Detection	S Singaravelan M.A.Divya <b>Ramya P</b> R.Vidhyalakshmi Karuppasamy K Natesan S Vidhya E G S Arun Kumar Priya P Akilandeewari Palaniappan Hemalatha P Dr. S. V. Padmavathi Devi	202641016003	13-02-2026	Published	20-02-2026	<a href="https://lnk.ua/fGmwr8OOr">https://lnk.ua/fGmwr8OOr</a>
7.	Portable smart whiteboard scanner with automated capture and wireless synchronization	Kesavamoorthy R. Jayanthi <b>Sakkaravarthi S</b> M Anindita Mudunuri Shrilekha Musfira Raihan Dr. Raja. M	202641017302	16-02-2026	Published	27-02-2026	<a href="https://shorturl.at/rCuQN">https://shorturl.at/rCuQN</a>

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		CMR Institute of Technology, Bengaluru					
8.	AI for precision medicine developing personalized treatment plans using ML	Dr. Shantha Visalakshi. U Dr. Krishna Kumar Lakshmanaswamy Dr. S Valliammal Rajesh kumar N Kayalvizhi K R <b>Sivasathiya Ganesan</b> Irfan Khan Dr. P. G. Gopinath Arivumalar Ravichandran Dr. Varsha R. Dange	202641014795	20-02-2026	Published	20-02-2026	<a href="https://shorturl.at/AoBWN">https://shorturl.at/AoBWN</a>
9.	Air quality monitoring system using iot with flutter	Dr. V. Anusuya Mrs. M.Rethinakumari Mr. A. Sathya	202641001538	07-01-2026	Published	13-03-2026	<a href="https://shorturl.at/8ujv2">https://shorturl.at/8ujv2</a>
10.	An Intelligent Traffic-Adaptive Concrete Pavement System with Embedded Communication and Predictive Analytics Modules	S Singaravelan Srinivasan R Caroline Priyanka Evelyne P Akiladevi G Kalpana K Mohanapriya D Sumathi S Vinotha Vasuki A Sathya M Mahalakshmi P Nancy Lydia T <b>Ramya P</b>	202641041991	01-04-2026	Published	10-04-2026	<a href="https://lnk.ua/ HpD8e4km0">https://lnk.ua/ HpD8e4km0</a>