



K.S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
PATENTS

Academic Year	Faculty name	Title	Date of filing	Patent No.	Date of publish/Granted	Application Status
2025-26	Ms. Preetha Kamath B	Low-Power Biomedical Signal Classifier Using Neuromorphic VLSI Circuits for Portable Diagnostic Devices	03/11/2025	202521106037	28/11/2025	Published
2024-25	Ms. Preetha Kamath B	AI-Driven Solar Inverter for Maximizing Energy Conversion Under Varying Conditions for EV Charging Station	05/06/2025	202541054528	13/06/2025	Published
	Ms. Preetha Kamath B	Development of IOT-Enabled Adaptive Control Strategies for Aerodynamic Wind Turbine Blade Optimization	16/06/2025	202541057822	27/06/2025	Published
	Dr. Electa Alice Jayarani, Dr. Anita P	IOT -Enabled Mobile Weather Monitoring Station for Real - Time Environmental Data Collection	05/02/2025	447043-001	05/05/2025	Design Patent Link: https://search.ipindia.gov.in/DesignApplicationStatus/
	Dr. Electa Alice Jayarani, Dr. Anita P	IOT-Based Device for Detecting Diseased Leaves in Plants using Image Processing	01/02/2025	446355-001	2/05/2025	Design Patent Link: https://search.ipindia.gov.in/DesignApplicationStatus/

2023-24	Dr. Dinesh Kumar D S	Intelligent Gesture Controlled wireless Wheelchair	29/2/2024	40917 7-001	25/04/2024	Granted
	Dr. Anita P	Portable Solar Distillation Unit	20/4/24	41439-001	5/6/24	Published
	Dr. Electa Alice Jayarani, Mrs. Sangeetha V, Mrs. Bhargavi Ananth	Agriculture Drone for Crop Health Monitoring	11/12/23	63320 86	18/12/2023	Granted Link: https://www.registered-design.service.gov.uk/find/6332086
2022-23	Dr. Rekha N	An Innovative Cognitive E-Mirror	21/10/22	20224 10603 09A	4/11/22	Published
	Dr. Rekha N	A Robust Security Management System for the Internet of Things (IoT)	10/11/22	20 2022 106 318	12/12/22	Granted
2021-22	1. Dr. Dinesh Kumar D S 2. Mr. Satish Kumar B	An Electronic Voting Machine	14/9/21	20214 10413 70	1/10/21	Published
2020-21	Dr. P N Sudha	A plant finder for ayurvedic botanists-a blending technology on indias rich ayurvedic legacy	8/4/21	20214 10166 24	23/4/21	Published
	Mrs V Sangeetha Mr.Praveen A	Smart Helmet With Bike System For Safety Transportation	3/6/21	20214 10247 34	11/6/21	Published
	Dr. P N Sudha	IOT Based Efficient Water Resources Forecasting, monitoring and management system	14/11/20	20204 10497 92	20/11/20	Published