



**K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE - 637215**

**An Autonomous Institution**

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Accredited by NAAC (A++) & NBA)

K.S.R. Kalvi Nagar, Tiruchengode – 637 215.

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Details of Patent Filed, Published and Granted**

**ACADEMIC YEAR 2024 - 2025**

S. No.	Applicant's Name	Inventor's Name	Title	Application No & Patent Filed Date	Published/Granted Date	Patent No.
1.	Mr. R. Veeramani, Mr. M. Jothimani.	Mr. R. Veeramani, Mr. M. Jothimani.	Smart Device for Remote Patient Vital Signs Monitoring (Design Patent).	Application No: 423189-001 & Filed on 12/07/2024	Granted on 11/09/2024	423189-001
2.	Dr. S.Karthikeyan.	Dr. S.Karthikeyan.	Light Fidelity Based Data Transfer Device (Design Patent).	Application No: 425246-001, & Filed on 30/07/2024	Granted on 27/09/2024	425246-001
3.	Mr.M.M.Arun Prasath.	Mr.M.M.Arun Prasath.	Iot Based Internet Speed Monitoring Device (Design Patent).	Application No: 432200-001, & Filed on 29/09/2024	Granted on 05/12/2024	432200-001
4.	Dr.R.Eswaramoorthi.	Dr.R.Eswaramoorthi.	Iot Based Smart Mirror with an Information Display System (Design Patent).	Application No: 428276-001, & Filed on 26/08/2024	Granted on 09/12/2024	428276-001
5.	Dr.S.Karthikeyan.	Dr.S.Karthikeyan.	Iot-Based Augmented Reality Device for Industrial Applications (Design Patent).	Application No: 432782-001 & Filed on 04/10/2024	Granted on 16/12/2024	432782-001

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6.	Dr.R.Poornima.	Dr.R.Poornima.	Iot Based Real Time Air Quality Detector (Design Patent)	Application No: 436198-001, & Filed on 30/10/2024	Granted on 09/01/2025	436198-001
7.	Dr.S.Jayachitra.	Dr.S.Jayachitra.	Machine Learning (ML) & Wireless Sensor Networks for Intelligent Irrigation Management in Rural Agriculture.	Application No: 202411068435 A & Filed on 10/09/2024	Published on 27/09/2024	---
8.	Dr. S. Karthikeyan.	Dr. S. Karthikeyan.	Automated Sleep Analysis System with Smart Alarm Functionality.	Application No: 202441073120 A & Filed on 27/09/2024	Published on 04/10/2024	--
9.	J.Rameshkumar.	J.Rameshkumar.	Iot-Based Smart Energy Management System Using Distributed Ledger Technology (DLT).	Application No: 202441077547 A & Filed on 13/10/2024	Published on 25/10/2024	-----
10.	Dr. P. Thilagavathi.	Dr. P. Thilagavathi.	AI Based Real-Time Detection of Damaged Road and Lane Detection for Autonomous Vehicle.	Application No: 202441090715 A & Filed on 21/11/2024	Published on 29/11/2024	-----
11.	Dr. S. Karthikeyan.	Dr. S. Karthikeyan.	Adaptive Robot-Assisted Agricultural Harvesting With Vision Based Guidance.	Application No: 202441095561 A & Filed on 04/12/2024	Published on 13/12/2024	-----
12.	K S R College of Engineering.	Dr.P.S.Periasamy Dr.C.Gowri Shankar Dr.R.Eswaramoorthi Mr.P.Sivasankar	Edhub Empowering Education Through Comprehensive Tuition Services.	Application No: 202441092534 & Filed on 27/11/2024	Published on 13/12/2024	-----

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		Rajamani Dr.R.Poornima Dr.A.Velliangiri Mr.M.Jothimani Mrs.D.Gowthami Mr.S.Krishnakumar Mrs.M.Dharani				
13.	Dr. K. P. Uvarajan.	Dr. K. P. Uvarajan.	IoT based Mathematical & statistical prediction of neural disorder and memory mapping technique in health care management.	Application No: 202441102003 A & Filed on 23/12/2024	Published on 10/01/2025	-----