



NICHE
KANYAKUMARI
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Patent Granted 2024

S.No.	Name of Inventors	Domain Area	Title	Application No./ Granted Patent No.	Granted Year
1.	Dr. Rimal Isaac M.Sc., Ph.D, ASP Dept of Nanotechnology	Nanotech	Biosynthesised Gold nano formulation	504967	2024
2.	Dr. C.K. Praseetha M.Sc., Ph.D, Professor Dept of Nanotechnology	Nanotech	Dashapushpam: The Ten sacred plants and their extracts for herbal wound dressings	503587	2024
3.	Dr. R. Rajesh Dept of Mechanical Engineering	Mechanical	AI based 3D Printing Device	406761-001	2024
4.	Dr. R.C.Mehta Professor	Aeronautical	IMAGE PROCESSING ALGORITHM FOR FRINGE ANALYSIS IN PHOTOELASTICITY	530946	2024
5.	Dr. A. Shajin Nargunam Pro Vice Chancellor (Academic)	CSE	Cloud Based Hybrid Processor Pool Architecture for Sustaining Green Computing	531256	2024

6.	Dr. Nininsa, Mr. Hari Kumar	AME	AI based crop health monitoring device	413467-001	2024
7.	Dr. H. Vennila	EEE	IOT BASED CELLULAR NETWORK REPEATER	415883-001	2024
8.	Dr. G. Venifa Mini Dr. J. E. Judith Dr. G. Beni Dr. Jothy	CSE	AN IOT BASED SOLAR POWER AGRICULTURAL ROBOT	412904-001	2024
9.	ALLWIN D SURESH JEYA SINGH C	Civil	ELECTRIC HYDROGEN FUEL CELL HYBRID BUS	416932-001	2024
10.	Allwin D, K.A. Janaradhanan, G. Ramadoss	Civil	Low noise block downconverter to enhance the satellite signal quality	409591-001	2024
11.	Allwin D	Civil	SOLAR POWERED HYDROFOIL UNMANNED PATROL VESSEL	416931-001	2024
12.	Allwin D	Civil	GEOPOLYMER CONCRETE INTERLOCKING BRICK	416494-001	2024
13.	Allwin D	Civil	TWO WAY STREET LIGHT SYSTEM DESIGNED FOR SMART CITY	429491-001	2024
14.	Allwin D	Civil	SELF PROPELLED TRISKATE EQUIPPED WITH HUB MOTORS	433096-001	2024
15.	Allwin D	Civil	MODULAR DRONE FOR AGRICULTURE	415512-001	2024
16.	Allwin D	Civil	SMART METAL DETECTION SYSTEM USING IOT TECHNOLOGY	428647-001	2024
17.	Dr. Mago Stalany V	FTSE	DIE manufacturing unit	404491-001	2024
18.	I Sowmy	BME	Digital and live text to braille and audio converter	549680	2024

19.	Dr. Vijila Grace	ECE	Device for detecting diseased leaves in plant by image processing	412673-001	2024
20.	Dr. Anukuttan	Aero	An additive manufacturing machine	415058-001	2024
21.	Dr. H. Vennila	EEE	IoT based battery management system for electric vehicles	429170-001	2024
22.	Dr. Manju R	EIE	Automated Urban Waste Sorting System Using AI	425917-001	2024
23.	Dr. K. Muthuvel	EEE	IoT Helmet	427210-001	2024
24.	Dr. Ben Sujitha B	CSE	IOT BASED WATER PURIFICATION DEVICE	424039-001	2024
25.	Dr. V. G RANJITH	CSE	IOT BASED WEARABLE DEVICE FOR HEART RATE MONITORING	411761-001	2024
26.	Dr. Ben Sujitha B	CSE	AI-POWERED DEVICE FOR EMPLOYEE EFFICIENCY MONITORING	410991-001	2024
27.	Dr. R. Mathusoothana S. Kumar	IT	ML BASED BREAST CANCER MONITORING DEVICE	407480-001	2024
28.	Dr. I. J. Rohith Asst. Professor Dept of Aeronautical Engineering	Aeronautical	DRAG REDUCTION IN AIRCRAFT WING BY INDUCING SURFACE ROUGHNESS	528125	2024
29.	Dr. N. Santhi Professor Dept of ECE	ECE	IoT based walking stick for visually impaired people	404432-001	2024
30.	Allwin Dennis Asst. Professor Dept of Civil Engineering	Civil	Air Quality Monitoring system powered by Renewable Energy	401136-001	2024

31.	Allwin Dennis Asst. Professor Dept of Civil Engineering	Civil	Automated Monitoring and Maintenance Device for civil structures	6348403	2024
32.	Dr.T.S. Senthil Asst. Professor Dept of Marine Engineering	Marine	SAFETY SUIT FOR BOILER PLANTS	402414-001	2024
33.	Dr. M. Dev Anand & Dr. R. Rajesh	Mechanical	ABRASIVE, MAGNETIC FIELD AND ULTRASONIC VIBRATION ASSISTED MICRO-AMP FOR ELECTRO CHEMICAL MACHINING	530178	2024
34.	Dr. R. Rajesh Dept of Mechanical Engineering	Mech	Hybrid streetlight based on solar and hydro power used in water resources region	408980-001	2024
35.	Dr. R. Rajesh Dept of Mechanical Engineering	Mech	Protecto tread tyre with radiant adsorb technology	409348-001	2024

36.	Dr. G. Ramadas D. Allwin Dr. M. Dev Anand	Library	Intelligent Library Automation Management System with AGVs and Robotics Copyright	L-159446	2025
37.	Dr. G. Ramadas D. Allwin S. Mathan Kumaar	Water Technology	Digital Water Technology		2025