IPR CELL
LIST OF IP's GRANTED

Sl. No.	Name of the faculty	Patent No	Patent Title	Granted/ Published	Date	Academic Year
1.	Dr. Baiju V	350765-001	Solar Hybrid Atmospheric Water Generator	Granted	6/10/2021	**21-22**
2.	Dr. K E Reby Roy	449891	A Hybrid Particle Reinforced Polymer Composite for Building Applications.	Granted	05/11/2021	**21-22**
3.	Dr. Sadiq A	395075	Continuous Shear Nano-Bubble Generator	Granted	20/04/2022	**21-22**
4.	Dr. Sadiq A	408408	Automated Adjustment Of Centre Of Gravity In 4 Point Lift Mechanism	Granted	03/10/2022	**22-23**
5.	Dr. Tinu P Saju	201741040528	Method of Producing a Spot Joint	Granted	26/12/2022	**22-23**
6.	Dr. K E Reby Roy	444900	Method of Plastic Synthesis for Manufacturing 3-Layered Plastic Tiles with a Porous Oxide Core	Granted	10/02/2023	**22-23**
7.	Dr. Anzar S M	442068	Hand worn real time Smart Navigation Device useful for blind and visually challenged people.	Granted	01-08-2023	**23-24**
8.	Dr. Baiju V	392913-001	Solar Hybrid Atmospheric Water Generator	Granted	17/08/2023	**23-24**
9.	Prof. Romana Mariyam Rasheed		Formulation for preparing bipolymer-amended soft soil for liner application			

10.	Dr. Sadiq A	539389	Device for Hearing Impaired	Granted	27/05/2024	**23-24**
11.	Dr. K A Shafi	364340-001	Fabric Dryer	Granted	18/01/2024	**23-24**
12.	Dr. Rijo Dr. Shafi Prof. Anu Assis	437730001	Solar Radiation Testing Instrument	Granted	18/11/2024	**24-25**
13.	Dr. Shafi Dr. Rijo Prof. Anu Assis	451125001	Container for Geophyte Plants	Granted	11/03/2025	**24-25**
14.	Dr. Shijina Sulfaniza Sainudeen	6464530	Thermo-Regulating Phase Change Material Gown For Healthcare	Granted	19 August 2025	**25-26**

LIST OF IP'S PUBLISHED

S. No	Name of the faculty	Patent No	Patent Title	Granted/ Published	Date	Academic Year
1.	Dr. Jesna Mohammed, Dr. Resmi SL	202341042008A	Modular Rotary Feeder Apparatus	Published	01/09/2023	**23-24**
2.	Dr. Hashim V	202441069038	Window Stay Clutch	Published	13/12/2024	**24-25**
3.	Dr. Baiju V	202441051336	Sorption Based Solar Desalination System with Thermoelectric Dehumidification Unit	Published	12/07/2024	**24-25**
4.	Dr. Anand Sekhar R	202441062772A	Portable Armrest Divider Apparatus	Published	20/08/2024	**24-25**
5.	Dr. Ramaswamy K P	202441054156A	Accelerated Acid Abrasion Resistance Test Apparatus	Published	23/08/2024	**24-25**
6.	Dr. Anand Sekhar R	202441099556 A	Chalk Holder Apparatus	Published	20/12/2024	**24-25**
7.	Dr. Baiju V	202541006302 A	Latent Heat Storage Unit with Tapered Fins	Published	31/01/2025	**24-24**
8.	TKM College of Engineering	202541043014 A	High-Entropy Alloy Reinforced with Sustainable Reinforcement Derived from Pyrolyzed Coconut Shell Waste and Method of Fabrication Thereof	Published	30/05/2025	**24-25**
9.	TKM College of Engineering	202541078114 A	An Automatic Solar Tracking Drying Platform System for Enhancing the Drying of Agricultural Products	Published	29/08/2025	**25-26**

10.	TKM College of Engineering	202541080654A	A cryogenic liquid nitrogen-based power generation system for hybrid electric vehicles	Published	05/09/2025	**25-26**

LIST OF IP'S FILED DURING 2025-2026

S. No	Name of the faculty	Application No	Patent Title	Date	Academic Year
1.	TKM COLLEGE OF ENGINEERING KOLLAM	202541101666	A Seismic Base Isolator with Multi-Directional Energy Dissipation and self- Centering Capability	22/10/2025	**25-26**
2.	TKM COLLEGE OF ENGINEERING KOLLAM	202541098562	A Wearable EMG and IMU-Based System for Real-Time Sign Language Recognition and Translation	13/10/2025	**25-26**

Academic Year Wise Count

21-22 = 3, Granted-3, Published – 0
22-23 = 3, Granted-3, Published – 0
23-24 = 6, Granted-5, Published – 1
24-25 = 9, Granted-2, Published – 7
25-26 = 3, Granted-1, Published - 2

Total from 2021 to 2026
Granted = 14, Published = 10

During Assessment Period (22-23 to 24-25)
Granted = 10, Published = 8