

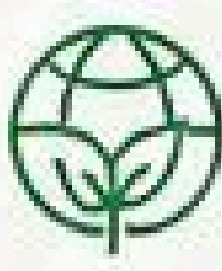
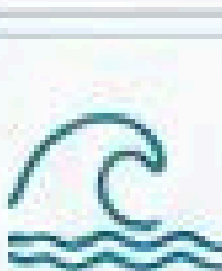
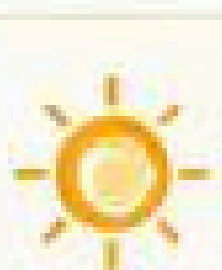
'Best Delegate Award' at T-Summit 10.0

National Institute of Technology Calicut has secured the prestigious Best Delegate Award at the international-level T-Summit 10.0, hosted by SRM Chennai from August 21st to 23rd. Represented by **Ananthazhvan(B25)**, NITC stood out among participants from over 25 premier universities across India, Japan, and Germany—including IIT Madras, NIT Rourkela, and Anna University.

PATENTS METRICS

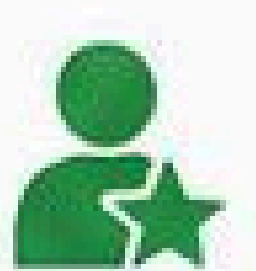
	Total Patents Filed	54
	Granted Patents	36
	Under Examination	1
	Commercialized/Licensed	0

SOCIALLY RELEVANT RESEARCH PROJECTS
(RANKED BY FUNDING)

	1.Near-Infrared Measurements of Atmospheric Pollutants Air-quality monitoring; understanding pollutants affecting public health and climate.	₹97.32 L
	2.Electrocatalytic Multicomponent Nano-architectures Development of advanced catalysts with potential applications in clean energy and sustainable technologies.	₹86.45 L
	3.Distributed Acoustic Sensing along Oil Pipelines Pipeline safety, intrusion detection and prevention of leaks / environmental damage.	₹67.43 L
	4.Self-Powered Graphene/Cu₂S Photodetector Advanced optical sensing for industrial, environmental and high-temperature applications.	₹63.96 L
	5.Triboelectric Nanogenerator for Sea-Wave Energy Renewable energy harvesting from ocean waves.	₹45.18 L
	6.Perovskite Single-Crystalline Solar Cells Next-generation solar-energy conversion and higher-efficiency photovoltaics.	₹43.09 L

Note: Funding shown for approved amount (₹ Lakh).

TYPE OF SUPPORT (BY NUMBER OF RECORDS)

				
20	6	1	1	1
SPONSORED PROJECTS (66.7%)	INSPIRE FELLOWSHIPS (20.0%)	WISE PROJECT (3.3%)	WOS-A PROJECT (3.3%)	NKPDF FELLOWSHIP (3.3%)

TOTAL: 30 RECORDS

CLASSIFICATION BY RESEARCH AREA (INFERRED FROM PROJECT TITLES / OBJECTIVES)



PROJECTS

OUR INVENTIONS
(PATENTS)

2011-2022
(9)

- Spectrofluorometer
- Polymer/Metal Oxide Sheetsl
- Transparent Conducting Composite
- Portable Electrochemical Biosensor
- Elastomeric Memory Device
- Metallic Nanoparticle patterns
- Organic Fullerene Derivatives
- Beam Chopping System
- Visible Light Degradation

2023
(9)

- Graphitic Carbon Nitride Foam
- Hafnium Diboride Photodetector
- Janus Liquid Marbles
- Wide Band Nephelometer
- Self-Powered Photodetector Method
- Retinomorphic Photodetector Fabrication
- Niobium Diselenide Photodetector
- Thermo-Diffusion Photodetector
- Vanadium Carbide Photodetector

2024-2025
(15)

- OxalateFunctionalized Niobium Nanosheets
- Cavity Enhanced Albedometer
- Hydrophobic Carbon Nitride Foam
- Eco-Friendly Silver Nanoparticles
- Edible Photodetector Methods
- Nano-Composite foam for oil-water separation
- Biocompatible Nanoporous Microstructures
- Broadband Optical Spectrometer
- Vanadium Monocarbide Quantum Dots
- Grass-Derived Nanomaterial Reinforcement
- Artificial opto-ionic Synaptic Device
- Vanadium Nanosheet Anode Catalysts
- Piezoelectric Diamond Decomposition
- LED-Based Nephelometer
- Polythiophene-Tellurium Nanocomposite Tuning

2025-2026
(4+)

- Optical Diode from polymeric Multilayers
- Preparation of Template less spongy Carbon Spheres from Vanilla-Coffee Infusion
- Preparation of Graphitic-Carbon-Nitride/Rust/PVDF Nanocomposite Foam
- Graphite-to-Graphene Transformation via Microwave-Assisted Green Synthesis

...and counting