



Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES

(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)

MoE, UGC & AICTE Approved

NAAC A++ Accredited

7.4.5 - University as a body provide assistance for start-ups that foster and support a low-carbon economy/technology

KITS motivates its faculty and students to involve in product development, patent generation and commercialization. In this regard there were eight patents filed and published in energy sector to support low carbon economy/technology. KITS also motivates the students to start their companies and facilitates them to enter into a Start-up venture. The following are the patents published by the faculty members during the academic year 2021-22.

Sl. No	Title of Invention	Applicati on Number	Date of Filing	Date of Publishing	Applic ant Name	Inventors
1	A Fabric Based Electro-Adhesive Clutch Operated Exosuit	20214104 0925	09.09.2021	24.09.2021	KITS	Dr. S. Rajesh, Dr. A. Sakunthala, Dr. R. Nandhakumar, Dr. B. Vidhya
2	A Process of Preparing FeO-GO-hBN Composite And Product Thereof	20214104 6596	12.10.2021	29.10.2021	KITS	Dr. S. Rajesh, Dr. A. Sakunthala, Dr. R. Nandhakumar, Dr. B. Vidhya, Dr. J. Prabhu
3	Process of Preparation of Magnesium Ion Conducting Electrolyte Membrane and Product Thereof	20214104 6597	12.10.2021	29.10.2021	KITS	Dr. S. Rajesh, Dr. A. Sakunthala, Dr. R. Nandhakumar, Dr. B. Vidhya
4	Tool for optimality in Automatic Washer Punching	20224100 9223	21.02.2022	04.03.2022	KITS	Dr. R. Sabitha, Dr. J. Immanuel Johnraja, Dr. Esther Daniel, Mr.S. Aravind Raj
5	Improved Backing Plates With Cooling For Friction STIR Processing	20224100 9227	21.02.2022	11.03.2022	KITS	Dr. R. Raja, Dr. S.J. Vijay, Dr. Tapas Debnath, Dr. Sabitha Jannet, Dr. L. Godson Asirvatham
6	AI System For Post Crash Care on Road Traffic Injuries	20224101 3076	10.03.2022	18.03.2022	KITS	Dr. R. Elijah Blessing, Dr. S. Salaja, Mrs. P. Joyce Beryl Princess
7	A Broadband Optically Transparent	20224101 5804	22.03.2022	25.03.2022	KITS	Dr. Victor Du John, Dr. Jackuline

	Metamaterial Absorber Self-Energy Harvesters					Moni, Dr. D. Narain Ponraj
8	Hybrid Power Source System for Elevators	20224102 2817	18.04.2022	13.05.2022	KITS	Dr. Prawin Angel Michael, Dr. S. J. Vijay, Dr. Victor Du John

Karunya Technology Business Incubation Park (K-TBIP) Incubates List

List of Student Incubates

Sl.No	Names	Division	Theme/Product	Company Name
1	Mr. J. Midhun (URK20AI1047)	CSE	An easy platform for booking the charging slots or the customers who uses the EV cars	Eco charge
	Mr. R. Manohar (URK20AI1057)			
	Mr. B. Praveen (URK20AI1060)			
2	Mr. S. Kishor Kumar (PRK21MS1084)	MBA	Smart Transportation using E-vehicle transporting people in a closed campus 24/7 without any human power	-
3	Mr. J. Kevin (URK22CO3003)	CSE	Autonomous electric vehicle for Karunya University to assist visitors	
	Dr. A.M. AnushaBamini			
	Mr. Jeffrey Chrish			
4	Mr. S. Parthiban (URK20RA100)	Robotics Engineering	Kreatln	
	Ms. Rashmi Kiran			
	Mr. Bobby Vishal			
	Mr. Dhanush AM			
5	Mr. J. Joshua		Energy	