

KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES

RESEARCH PROJECT PROPOSALS SANCTIONED (APRIL 2023 - MARCH 2024)

Sl. No.	Name of the PI	Co PI	Department	Title of the Project	Applied on	Sanctioned on	Funding Agency	Amount (Lakhs)	Duration (Years)
1	Dr. G. Manoj	Dr. D. S. Shylu Dr. P. S. Divya Dr. J. Samson Immanuel Dr. I. Thusnavis Bella Mary Dr. Rosini	ECE	Configurable and Scalable IoT SoC for Automobile Applications	24.02.2022	22.05.2023	Ministry of Electronics & Information Technology, GoI	84.61	5
2	Dr. E. Grace Mary Kanaga	Thanka Dr. M.S.P. Subathra	DS&CS RE	Smart Wearable Device for Early Prediction and Alerting of Epilepsy in Pre-ictal Phase using Advanced Learning Techniques	07.04.2023	12.07.2023	IDEAS - ISI, Kolkatta	29.73	3
3	Dr. K. Parameswari (HoD) and Dr. B. Jebasingh (Coordinator)	Dr. V. Vijaikanth, Dr. Jegathambal, Dr. D. Khanna, Ms. Roshini	Chemistry WI Civil	Establishment of Environmental Isotope Hydrology & Geochemistry Facility for Sustainable Water Management in Semi-Arid Region of Peninsular India.	25.04.2023	30.10.2023	DST-FIST	138.00	5
4	Dr. P. Manimegalai	Dr. S. Thomas George Dr. P. Subha Hency Jose Dr. P. Dinesh Kumar Dr. R. Balakrishnan	Biomedical	"Cato-zoni"- A smart wearable belt for posture management and enhanced quality of life for low back patients and sedentary civilization.		09.11.2023	SERB-DST	29.70	3
5	Dr. Sumit Sudhir Pathak	-	FPT	Design and Development of Multipurpose Cryogenic Processing line for Leafy Medicinal Herbals		01.12.2023	SERB	28.63	2
6	Dr. Jibu Thomas Dr. Kalyan Gayen NIT Agartala.	Dr. Dibyajyoti Haldar Dr. Pinaki Dey	Biotech	Development of an Integrated process for Co-Production of Biobutanol from Sugarcane trash and lignin nanoparticles (LNPS) as green carrier for Bactericidal agents		05.12.2023	CSIR	8.75	3
7	Dr. J. Jayakumar	-	EEE	Block Chain Powered Smart Energy Meter		29.01.2024	IIT Palakkad Technology I-Hub Foundation	10.00	3

8	Dr. M.S.A. Muthukumar Nadar	Dr. Levin Anbu Gomez	Biotech	Development of Non-infectious Ternary Reported Surrogate System for SARS-CoV 2 Compraising a Replaceable RBD Cassette for Rapid Assessment of Vaccine Efficacy against Emerging Varients of Concern	15.03.2024	ICMR	71.05	3	
9	Dr. M.S.A. Muthukumar Nadar	-	Biotech	Development of a photoconvertible drug screening system against replication inhibitors of Japanese encephalitis virus for high-throughput applications	08.03.2024	Biotechnology Industry Research Assistance Council (BIRAC)-PACE	46.03	18 months	
10	Dr. S. Rajesh	Dr. B.Vidhya Dr. R. Nandhakumar Dr. A. Sakunthala Dr. D. Nirmal	Physics	Design and Fabrication of a Hyperspectral Camera for Remote Sensing	15.03.2024	IIT Tirupati Navavishkar I-Hub Foundation	80.89	18 months	
11	Dr. Aldin Justin Sundararaj	Dr. Venkatachalam Ms. R.A. Rakhi	Aerospace	Flame Acceleration Studies of Hydrocarbon Fuels using a Deflagration-to-Detonation Transition Tube	18.03.2024	Aeronautics R&D Board (AR&DB), DRDO, Ministry of Defence	90.38	3	
TOTAL							617.77		