

## KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES

### RESEARCH PROJECT PROPOSALS SANCTIONED (APRIL 2021 - MARCH 2022)

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. Josemin Bala	-	ECE	Real-time Monitoring & Prevention of Landslides Using LoRaWAN	04.02.2021	19.04.2021	Microsoft AI for Earth Azure Grant	7.5	1
2	Dr. G. Jims John Wessley	Dr. Venkatachalam	AE	Exploratory studies -Fabrication of Polymer braided composites for fan casting of aero engine	16.03.2021	17.09.2021	DRDO-Gas Turbine Research Establishment	9.48	15 months
3	Mrs. D. Hepsiba	Dr. L.D. Vijay Anand Dr. P. Rajalakshmy	BME	Voice Enhanced Assistive and Safety Device for Elderly Person	31.10.2019	30.09.2021	DST-TIDE-SEED	23.65	3
4	Dr. G. Babu Rao	Dr. Praveen Kumar Dr. Wilson Kumar	ME	Sujeev Design and Development of Smart Steps for Elderly or Differently Abled People to Travel Safely and Comfortably in the Public Vehicles.	22.10.2019	11.10.2021	DST-TIDE-SEED	25.58	3
5	Dr. C. Gajendran	-	CE	Studies on Root architecture of Eucalyptus clones using Ground Penetrating Radar	24.06.2020	29.11.2021	Indian Council of Forestry Research and Education (ICFRE)	1	2
6	Dr. Aldin Justin Sundararaj	-	AE	Investigation of Ignition Delay of Hydrocarbon Fuel Samples		11.01.2022	DRDL - GoI	9.88	14 months
7	Dr. A. Brusly Solomon	Dr. L.Godson Asirvatham	ME	Development of Flexible Heat Pipes for Space Applications	13.03.2021	13.01.2022	ISRO	17.67	2
8	Dr. P. Sam Paul	Dr. X. Ajay Vasanth	ME	Development of IoT Based Magnetorheological Foam Damper to Control Tool Vibration	19.12.2020	18.02.2022	AICTE –RPS	15.99	3
9	Dr. N. Anand	-	CE	Strategies for Improving the Performance of Concrete under Extreme Fire Conditions	19.01.2022	23.03.2022	Ministry of Innovation and Technology of Hungary	21.26	2
10	Dr. D. Nirmal	Dr. Augustine Fletcher	ECE	Design and Development of GaN HEMT for 18 GHz to 40 GHz	20.07.2021	29.03.2022	DRDO	27.76	3
<b>TOTAL</b>								<b>159.77</b>	