

External Grant Projects (Ongoing)

Sl No	Dept	Name	Title	Duration in Months	Agency	Amount (Rs Lakhs)	Sactioned on	SDGs Mapped
1	Textile	Dr. V. Ramesh Babu	Dhurrie: Reviving Heritage through Sustainable Innovation	36	DST-SHRI	38.96736	Jun-25	8
2	Biotechnology	Dr. Padhmanand Sudhakar	AYUROMICS: Leveraging Integrative - omics and systems biology to discover molecular phenotypes and mechanism associated with successful outcomes in gut cleansing regiments in Ayurvedic Panchakarma	36	ANRF-PMECRG	53.004	Jul-25	3
3	Biotechnology Institute of Agriculture	Dr.N.Saraswathy Lead Dr.K.Kumaravel Dr.P.Muthukumaran Dr S.Hemalatha Dr. Karthika	Development of Sugar Industry based Biocomposite for Enhancing Organic Carbon in Sugarcane Field for Sustainable Agriculture	18	TIDCO & Sakthi Sugars Ltd	25.5	Oct-25	2,15
4	Biotechnology Kumaraguru College of Liberal Arts and Sciences	Dr. Nithya Priya S Lead Dr. Padhmanand Sudhakar Dr. Thanammal Ravichandran Dr. Sivarajasekar N.	DAIRY+ – Development of Adaptogen Infused Resilience Yielding Dairy Products	18	TIDCO & ABT Diary	35	Oct-25	3
5	Computer Science Engineering Centre for Industrial Research and Innovation	Dr. Bharathi Priya C Lead Ms. Muthukeerthana S Ms. Anitha P	AI-Powered Autonomous Monitoring System for Road Construction Using Deep Visual Intelligence	18	TIDCO & Land T, Chennai	33.82	Oct-25	9
6	Biotechnology	Dr. Padhmanand Sudhakar	Ayurvedic Restorative formulations for military operational field Resilience in high altitude and humid conditions using Oja–Medhya Rasayanam concepts	24	IKS	20	Feb-26	3,9,12
7	Artificial Intelligence and Data Science	Dr.D. Sudharson	Industrial AI at the Edge: Scalable Data Center-in-a-Box for Real-Time Insights	24	AICTE-RPS	24	Mar-26	9
8	Aeronautical Engineering and Centre for Industrial Research and Innovation	Dr. PS. Premkumar Lead Dr. VG. Ganesan P. Krishnakumar	Air intake design Optimization for Various Operating conditions of MGTE	18	Aeronautics R&D Board	81.066	Mar-26	
9	Electronics and Communication Engineering Computer Science Engineering Centre for Industrial Research and Innovation	UK. Praveen, Lead C. Vasantharaj Dr. C. Bharathi Priya	Design and Development of precision position control system for Rotary Grenade Launcher	36	DRDO	249.73	May-26	
Total						561.08736		

S. No	Name and Designation of the PI	Dept	Name and Designation of the Co-PI	Dept	Title of the Project	Duration (months)	Broad Subject	Budget (Lakhs)
1	Dr. M. Senthil Kumar/ HoD	Aeronautical Engineering	R Vijayanandh/ AP II	Aeronautical Engineering	Flapping-Wing Micro-UAV with Solar Energy Harvesting for Extended Surveillance Missions	16	UAV Energy Systems, Green Technology, Bio-Inspired Flight	2
2	S. Muthukumar/ AP	Aeronautical Engineering	NIL	-	Development of a Calibrated Experimental Setup for Noise Reduction in Drone Propellers and Jet Nozzles	18	Experimental Acoustics	2
3	Dr.G.Thenmozhi / ASP	Automobile Engineering	Dr. M. Selvambikai / AP II	Physics	Exploratory Study on Electrochemical Deposition in Metal-Air Batteries	18	Affordable and Clean Energy	2
4	G. Preethi / AP I	Artificial Intelligence and Data Science	NIL		Data-Driven Counterfactual Explanations for Energy Anomalies in Smart G	8	Energy domain	2
5	Dr. N. Sivarajasekar/ AP III	Biotechnology	Dr. Padhmanand Sudhakar/ AP III	Biotechnology	Plant-based leather - sustainable alternate materials for animal and synthetic (PVC/PU) leathers.	18	Sustainable materials	1.96
6	Dr. S.Nithya Priya/ AP III	Biotechnology	Dr.K.Kumaravel/ AP III	Biotechnology	Formulation of a Nutrient-Dense Substrate into a Functional Food	18	Public health	2
7	Dr.K. Kumaravel / AP III	Biotechnology	Dr.N.Saraswathy / Prof	Biotechnology	Effect of iron on antimicrobial resistance in patients with active diabetic foot ulcer	18	Health care	1.95
8	P. Nandhakumar/ AP II	Civil Engineering	Dr. R. Manju/ ASP	Civil Engineering	Performance of prefabricated Column to Foundation Connection using half grouted Sleeve	12	Prefabricated Structures	2
9	Dr.A.Vennila/ AP II	Civil Engineering	U. SindhuVaardini/ AP II Dr. B. Nithyalakshmi/ AP II	Civil Engineering	Waste-to-Wonder: Sustainable Construction Solutions Using KCT Campus Waste	12	Waste Management	2
10	Dr. VP. Ajay / AP II	Electronics and Communication Engineering	NIL	NIL	Construction of an Anechoic Chamber for measuring Radio Frequency (RF) Signals and Device Emissions	18	Electromagnetic Compatibility (EMC) and Anechoic Chamber Technology	2
11	Dr.A.Amsaveni / Professor	Electronics and Communication Engineering	Dr.S.Nithyapriya/ AP III Dr.M.Bharathi/ Prof	Biotechnology Electronics and Communication Engineering	Integrated Optical and Image Processing Technique for Rhodamine B Detection in Chilli Powder	18	Public health	1.062
12	Dr. SN. Shivapriya/ ASP	Electronics and Communication Engineering	Dr. G. Thenmozhi / ASP	Automobile Engineering	SmartAgriRover – Rover based IoT-Driven Crop Wellness Monitoring	18	Agricultural Rover	2
13	Dr. T. Shanthi/ AP III	Electrical and Electronics Engineering	Dr. R. KAVITHA/ AP III	Electrical and Electronics Engineering	Design and Development of High gain DC-DC Converter for Solar PV Integration	18	Renewable Energy	2
14	S Arunkumar/ AP II	Electrical and Electronics Engineering	N Mohana Sundaram/ AP II	Electrical and Electronics Engineering	Design and Implementation of an Advanced Soft-Starting and Torque Control System for BLDC Motors in Lightweight EVs	18	EV	1.95
15	E. Muthuramalingam / AP II	Electronics and Instrumentation Engineering	Dr.M.SaravanaBalaji / AP II S. Ranganathan / AP II V. Athappan/ AP II	Electronics and Instrumentation Engineering	Towards Sustainable Water Distribution: AI-Driven Pump Scheduling for Energy and Resource Optimization	18	Smart Water Management / IoT-based Automation	2
16	Dr B Poongodi/ Prof	Business School	Dr.N.Saraswathy/ Prof	Business School	SUSTAINABLE BIO-BUSINESS INNOVATIONS FROM WATER HYACINTH - A WASTE TO WEALTH APPROACH	18	Recycling	0.75
17	R. Saravanan/ AP II	Mechatronics Engineering	K. Murugesan/ AP II	Mechatronics Engineering	Design and Realization of autonomous contactless patient support and active monitoring system for using in Quarantine Zones at Hospitals	15	Healthcare Robotics	2
18	Dr C Velmurugan / Prof Dr N Sangeetha / ASP	Mechanical Engineering	Dr V R Muruganantham / ASP Dr.M Thirumalai Muthukumaran / AP III	Mechanical Engineering	Market Survey and Gap Analysis for Sustainable Industrial Development in Coimbatore's Manufacturing Clusters	6	Sustainable Communities	1.08
19	R.Sukanya Devi / AP	Textile Technology	NIL		Development of Sustainable Filament Yarn from Papaya Latex for medical applications	18	Health Science	2
20	Dr.D.Jalajaa / AP III	Chemistry	Dr.N. Saraswathy/ Prof Dr.E.Shobhana/ Head	Biotechnology Physics	Development and Evaluation of Hydroxyapatite nanoparticles doped with Anticancer agents	18	Materials Science	1.5
Total								36.252
50 % Rs 18.12 Lakhs Released								