



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
(An Autonomous Institution)
Puducherry - 605 107

Research and Development (R&D) Cell

Sponsored Research Projects





Sponsored Research Projects

List of sponsored research projects received from Govt/Non-Govt Funding Agencies.

Academic Year 2021-22							
Sl. No	Name of the PI	Name of Co-PI	Name of the Dept., where Project is sanctioned	Project title	Name of the Funding agency	Duration of the project	Amount (Lacs)
1	Dr. S. Anbumalar	Dr.D.Raja	Electrical& Electronics Engineering (EEE)	Modernization and Removal of Obsolescence (MODROB) for Power Electronics and Drives Lab	AICTE	2 Years	11,00,000
2	Dr. K. Velmurugan	-	Mechanical Engineering	Machine Learning in composites materials	SMV Trust	2 years	6,25,000
3	Dr.K.Hemalatha	-	Mechanical Engineering	Coin based cell phone charger with pay system	Fluxtron Technologies	2 years	3,28,000
4	Mr.P.Jayakumar	-	Mechanical Engineering	Theo Jansen Mechanism four legged spider bot	Multi-Flex packaging's	1 Year	2,80,000
5	Dr.L.Martin	-	Mechanical Engineering	Prediction of shear modulus of alloy using Machine learning	Motherson Automotive Technologies &Engineering	8 Months	1,80,000
6	Mr.P.Sathiaprathap	-	Mechanical Engineering	Design and fabrication of speed braker power generation	Leo Fasteners	2 Years	2,36,000
7	J. Soundararajan	-	Electronics And Communication Engineering (ECE)	Industry Automation	Tetra Automation	1 Year	1,26,000
8	Dr. P. Arunagiri	-	ECE	To Automate the Plastic Dispensing Nozzle Lane Chamber	Sakthi Ganapathy Polymer	6 Months	85,000

9	Dr. S. B. Lenin	-	ECE	Energy Saving Audit And Automation	Sakthi Ganapathy Polymer	6 Months	89,000
10	Dr. P. Raja	-	ECE	AICTE – Scheme for promoting interest , creating and ethics among students (SPICES)	AICTE	1 Year	1,00,000
11	Dr. P.Raja	-	ECE	Overview on Cyber Crimes and Cyber Security	AICTE	5 Days	1,00,000
12	Dr. R. Ramachandiran	Dr. K. Premkumar	Computer Science Engineering (CSE)	"AI-Based Personalized Learning Systems for Rural Schools"	Techno Solution	1 Year	2,00,000
13	Dr.N.Danapaquiam	Mr.M.Shanmugam	CSE	Automated Fault Diagnosis and Monitoring System Using AI	Sevalaiyar Super Market Pvt.Limited	1 Year	2,00,000

Academic Year 2022-23

Sl. No	Name of the PI	Name of Co-PI	Name of the Dept., where Project is sanctioned	Project title	Name of the Funding agency	Duration of the project	Amount (Lacs)
1	Dr. A. G. Ganesh Kumar	-	Mechanical Engineering	Automatic Physiotherapy Assist System	Adhisakthi Projects	1 Year	1,28,000
2	Dr. K. Hemalatha	-	Mechanical Engineering	Power Generator Forearms Machine	Seja Sinters Private Limited	1 Year	1,08,000
3	Mr. A. Jeyachandran	-	Mechanical Engineering	Design And Fabrication of Autonomous Sewage Cleaner	Tenneco Automotive India Private Limited	2 Years	2,23,000
4	Dr. R. Ravisankar	-	Mechanical Engineering	Nanofluids In Agricultural Applications	Ucal Fuel Systems Limited	6 Months	46,000
5	Dr. A. Thiagarajan	-	Mechanical Engineering	Experimental Investigation of Sandwich Composites for Marine Applications	Ultramarine Boat Builders Private Limited	5 Months	62,000

6	Mr.C.Aderin Periyamayagam	Dr.D.Raja	Electrical& Electronics Engineering (EEE)	Ready to use First AID Kit for military use	Ministry of Human Resource Development (MHRD)	1 Year	1,00,000
7	Dr. N. Saranya	-	Electronics And Communication Engineering (ECE)	A Compact IoT Rover System for Efficient Monitoring and Maintenance	I Square Systems	1 Year	3,35,000
8	Dr. P. Raja	-	ECE	Super Stroke Solenoid and Embedded Controller-Based Anti-Theft Measures for Vehicle Wheels	Silicon Systems	1 Year	2,24,000
9	Dr.P.Iyappan	Dr. M. Ganesan	Computer Science Engineering (CSE)	AI-Powered E-Learning System	SMVE Trust	1 Year	2,00,000
10	Dr. S.Sundararaman	-	Civil Engineering	Smart Materials	V land Best Hub, Puducherry	1 year	75,000

Academic Year 2023-24

Sl. No	Name of the PI	Name of Co-PI	Name of the Dept., where Project is sanctioned	Project title	Name of the Funding agency	Duration of the project	Amount (Lacs)
1	Dr. K. Velmurugan	-	Mechanical Engineering	Experimental Investigation of Filler Influence on Mechanical Properties of SS304 And Bromine	Mannschaft Engineering Solutions	1 Year	2,34,000
2	Dr. G.G. Sozhamannan	-	Mechanical Engineering	Evaluation Of Mechanical Properties of Friction Stir Welded Dissimilar Aluminium Alloys	Ambattur Metal Treaters	1 Year	3,45,000
3	Dr. A. Thiagarajan	-	Mechanical Engineering	Wear Properties of SS304 Added with ZrO ₂ and B ₄ C Nanoparticles.	Magnum Fiber Composites	1 Year	2,21,000
4	Mr.D.Karunakaran	-	Mechanical Engineering	Experimental Investigation of Friction Stir Spot-Welded Dissimilar	Abirami Enterprises	1 Year	3,62,500

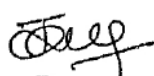
				Aluminum Copper Metallic joint			
5	Dr.S.Anbumalar	-	Electrical& Electronics Engineering (EEE)	Trash to Treasure via waste separation with TSM	NIT Trichy	6 Months	15,000
6	Mr.I.Shivasankkar	-	EEE	Single-Use Plastic	Department of Science and Technology, Puducherry	6 Months	1,500
7	Mr.B.Parthiban	-	EEE	NMF based Brain Controlled Bionic Arm & Home Appliances	AICTE, Arm Education and STMicroelectro nics	6 Months	7,290
8	Mr.R.Ragupathy	-	EEE	Anti-Power Theft	AICTE, Arm Education and STMicroelectro nics	6 Months	5,083
9	Dr.S.Anbumalar	-	EEE	Waste Management System	Department of Science Technology and Environment (DSTE), Puducherry	1 Year	30,000
10	Dr.D.Raja	-	EEE	Filament maker for 3D printer	Department of Science Technology and Environment (DSTE), Puducherry	1 Year	20,000
11	Dr.P.Jamuna	-	EEE	E- Waste Management	Department of Science Technology and Environment (DSTE), Puducherry	1 Year	30,000
12	Mr.G.Rajavel	-	EEE	E- Waste Management	Department of Science Technology and Environment (DSTE), Puducherry	1 Year	10,000
13	Mr. R. Suresh	-	Information Technology	Space Quantum Communication	I-HUB Quantum Technology Foundation, Pune IISER CAMPUS.	1 Year	1,20,000
14	Dr. R. Raju	-	Information Technology	Geofencing & Route Optimization	Ignite Skylabs	1 Year	3,20,000
15	Dr.N.Pazhaniraja	Mr.M. Shanmuga m	Computer Science Engineering (CSE)	ERP-Based Management and Customer Relationship Service System	Krishna Agency Indian Oil Cooperation	1 Year	2,00,000

16	Dr. P. Raja	-	Electronics And Communication Engineering (ECE)	Wind Regenerative System for Electric Vehicle Charging Using Air-Pressure	KenLab Software Solution	1 Year	1,17,000
17	S. Ganesan	-	ECE	Automated Linear Actuator System for Seamless Patient Transfer	Tetra Automation	1 Year	1,08,000
18	Dr.R. Kurinjimalar	-	ECE	Design and implementation of a GSM-based child rescue system for earthquake emergencies	Silicon Systems	1 Year	2,40,000
19	Dr. P. Raja	Dr. N. Saranya	ECE	SERB Seminar on Advancement in Antenna Technology and Biological Effects of Electromagnetic Radiation	SERB	2 Days	90,000

Academic Year 2024-25

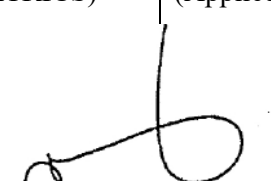
1	Dr. S. Anbumalar	-	Electrical& Electronics Engineering (EEE)	Investigation on Estimation of state of Charge (SOC) and State of Health (SOH) by machine learning for Lithium-Ion Battery by Digital Twin Framework File Number: ANRF/ARG/2025/01127	ANRF-Advanced Research Grant (ARG)	5 Years (Applied)	50,00,000
2	Dr.D.Raja	Dr.D. Sivaraj	EEE	Design for Manufacturing & Advanced Automation for Industry 4.0	AICTE-ATAL	6 Days	1,00,000
3	Dr.M. Shanmugam	Mr. S. Kumara krishnan	Computer Science Engineering (CSE)	Blockchain-Enabled Decentralized Identity Management and Secure Authentication Framework	Seyfert Infotech	1 Year	1,00,000
4	Dr K Naveenkumar	-	Instrumentation and Control	Two-Day National Seminar on	ANRF	2 Days	85,000

			Engineering (ICE)	“Next Generation Technology and Research Horizons in Medical Instrumentation”			
5	Dr. P. Raja	Dr.N. Saranya	Electronics And Communication Engineering (ECE)	Low-Cost Audio and Pir Signal Based Wild Boar Anomaly Detection and Crop Production System	IEEE Signal Processing Society and IEEE Tech4Good 2024	6 Months	1,25,000
6	Dr. P. Raja	Dr.N. Saranya	ECE	Innovation and Design Challenges in Antennas and RF Devices for Next Generation 5G and 6G Wireless Communication	AICTE-ATAL	One Week	3,50,000
7	Dr. R. Kurinjimalar	-	ECE	Smart Vending Machine with Web-RTC For Telemedicine	Coramandel Electronics	6 Months	1,60,000
8	Dr. T. Deepa	-	ECE	Controlling Physical Systems in Real-Time by Virtual Replication	Praya Lab	1 Year	90,000
9	Dr.A.Thiagarajan	-	Mechanical Engineering	Advanced Polymer composites for naval applications	Mannschaft Engineering Solution private limited	8 Months	1,73,000
10	Dr.A.Vijayalakshmi	-	Bio Medical	One-day Workshop On “Testing and Calibration of Biomedical Equipment”	IEI	1Day	20,000
11	Decompositions of Graphs and Hypergraphs	-	Mathematics	Decompositions of Graphs and Hypergraphs	ANRF (MATRICS)	5 Years (Applied)	25,00,000


Dean

(Research & Development)




Director cum Principal