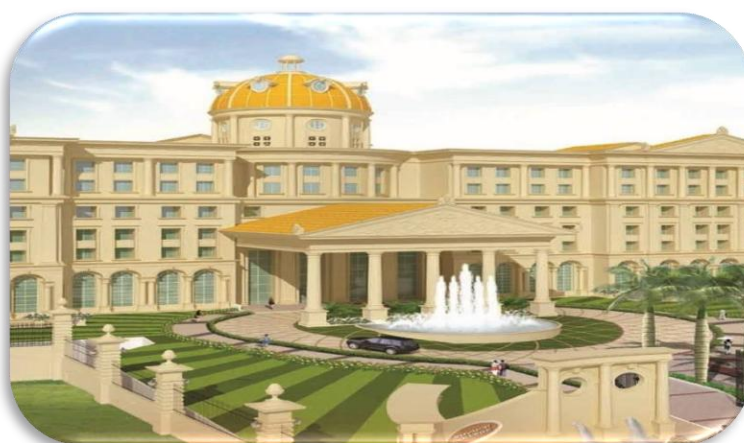
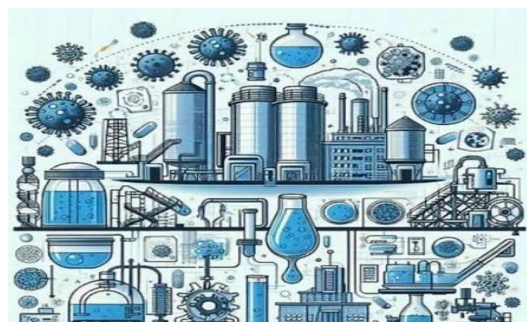




SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
(An Autonomous Institution)
Puducherry - 605 107

Research and Development (R&D) Cell

Consultancy Projects





Consultancy Work

List of consultancy projects

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.K.Velmurugan	-	Mechanical Engineering	New Product development	Prasanna Precision Tools	6 Month	2,40,000
2	Mr.P.Sathiaprathap	-	Mechanical Engineering	Thermal spray metal coating for machine tools	Adhi Sakthi Projects	1 Year	2,28,000
3	Dr.L.Saravanan	-	Mechanical Engineering	Design and development of high temperature valve	Indian Radiators Limited	6 Month	1,33,000
4	Dr.G.G.Sozhamannan	-	Mechanical Engineering	Simulation and modeling of wear loss	Hindustan Unilever limited	1 Year	2,18,000
5	Dr. K. Velmurugan	-	Mechanical Engineering	Skill development training	SNAM Alloys Private limited	3 Month	54,000
6	Dr.L.Martin	-	Mechanical Engineering	Skill development training	Motech Industrial solutions	1 year	1,18,000
7	Mr. R. Suresh	-	Information Technology	Financial Management Software	Dizitive IT Solutions Pvt Ltd,	6 Months	3,00,000
8	Mr. R. Suresh	-	Information Technology	Geometry Promoting Inclusive Education for Kids	Foundation for Advancement of Education and Research	6 Months	1,50,000
9	Dr.M.Jayachandran	-	Electrical& Electronics Engineering (EEE)	Convolutional Neural Network Based Helmet Detection On Electric-Bike	GT Electronic India Pvt. Ltd.	1 Year	75,000
10	Mr.R.Ragupathy	-	EEE	Food Preservation Using Pulse Electric Field	TIAS Energy Pvt Ltd.	1 Year	90,000
11	Dr.D.Sivaraj	-	EEE	Spot Welding Using PWM Controller	RECON Group of Companies, Tamil Nadu	1 Year	1,36,000

12	Dr.D.Sivaraj	-	EEE	MPPT algorithm for solar application	RECON Group of Companies, Tamil Nadu	1 Year	1,20,000
13	Dr.S.Ganesh Kumaran	-	EEE	IoT based water management using flow Sensors	TVS LUCAS Pvt Ltd, Puducherry	1 Year	95,000
14	Dr.M.Ganesan	-	Computer Science Engineering (CSE)	Bill Buddy Software	Sabarinathan brothers	1 Year	1,50,000
15	Mr. N. Balaji	-	CSE	Cloud BillX	Wonders	1 Year	1,50,000
16	Mrs. Kalpana	-	CSE	Billing Software	Anokhi	1 Year	1,00,000
17	Dr. P. Raja	-	Electronics And Communication Engineering (ECE)	Automatic Exclusion of Faulty Bottle Caps	Sri Sai Industry	3 Months	67,000
18	V.Logisvary	-	ECE	Approve-x	Support studio technologies	3 Months	54,000
19	Ms.C. Janani	-	ECE	Automatic detection and rejection of unprinted packages	TTK health care ltd.	3 Months	58,000
20	Dr.A.Jayachitra	-	ECE	Implementation and Analysis of an L-Shaped Tunnel Field Effect Transistor by Incorporating Gate and Oxide Engineering	Entuple Technologies	6 Months	98,000
21	Dr.S.Premkumar	-	ECE	Active Noise Cancellation for Acquiring desired Informative Audio by Suppressing the Unwanted Noise Distortion	Glovis India Anantapur Pvt Ltd	6 Months	97,000

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	Mr. A. Jeyachandran	-	Mechanical Engineering	New Product Development	Prasanna Precision Tools	6 Months	1,75,000
2	Dr. K.Hemalatha	-	Mechanical Engineering	Advanced MMC for automotive brake pad	Tenneco Automotive India Private Limited	6 Months	1,32,400
3	Mr.E.Manikandan	-	Mechanical Engineering	Nanofluids for Electronics cooling	Whirlpool Of India Pvt Ltd	1 Year	2,48,650
4	Mr.G.Harish	-	Mechanical Engineering	Soft Skill training	Bright Brothers Limited	3 Months	43,000
5	Mr.P.Jayakumar	-	Mechanical Engineering	Design and development of 3D Printed components for Drone	De Drone world solutions Pvt Limited	5 Months	1,37,000
6	Mr. R. Suresh	-	Information Technology	Blind Quantum Signature with Blind Quantum Computation	QKRISHI	1 Year	1,00,000
7	Mr. R. Suresh	-	Information Technology	Quantum Cryptography with Quantum Key Distribution	Unisys Global Technology Solutions	1 Year	50,000
8	Mr. R. Suresh	-	Information Technology	NFT Skill ID based Recruitment Management System	First Academy of Blockchain Council	1 Year	1,00,000
9	Mr. R. Suresh	-	Information Technology	Disaster Management Framework	Foundation for Advancement of Education and Research	1 Year	50,000
10	Dr.D.Sivaraj	-	Electrical& Electronics Engineering (EEE)	Automatic Power Transformer tester	GT Electronic India Pvt. Ltd.	1 year	2,67,000
11	Dr.S.Ganesh kumaran	-	EEE	Design and fabrication of oil expelling machine	RECON Group of Companies	8 Months	1,33,000
12	Dr.D.Raja	-	EEE	PLC based automatic control of hydraulic press machine using LVDT	RANE Madras Ltd	1 Year	1,15,000
13	Mr.A.Janagiraman	-	EEE	Offline UPS for regenerative loads	EATON Power Quality Pvt. Ltd	1 Year	95,000

14	Dr. K. Premkumar	-	Computer Science Engineering (CSE)	Smart Health Cyber Physical System using AI	ABE Semiconductors and design	2 Years	2,00,000
15	Dr.S. Dhivya	-	Electronics And Communication Engineering (ECE)	Copy-move forgery detection using SURF feature extraction and SVM supervised learning technique	Pentafox Technologies	6 Months	88,000
16	Dr.N.Saranya	-	ECE	A compact two sleeve Microstrip patch rectenna system for ambient RF energy Harvesting	ETM Instruments	3 Months	76,000
17	Dr. S. Ashok Kumar	-	ECE	Implementation of charge plasma based dopingless multi bridge channel MOSFET for enhanced performances	V Link Systems Private	6 Months	74,000
18	Dr.J.Pradeep	-	ECE	Tunable Optimal Dual Band Metamaterial Absorber for High Sensitivity THz Refractive Index Sensing	Dixon Technologies (India) Ltd	6 Months	96,000
19	Dr. S. B. Lenin	-	ECE	Effect of Work Function Tuning over the Device Characteristics of GAA SNSTFT	Syrma SGS Technology Limited	6 Months	98,000
20	S.Azghagarsamy	-	Civil Engineering	Cube Testing	Amrita Vidyalayam	1 Day	5,850
21	S.Azghagarsamy	-	Civil	Cube Testing	India Cements	1 Day	900
22	S.Azghagarsamy	-	Civil	Cube Testing	JSW Cement	2 Weeks	12,900
23	S.Azghagarsamy	-	Civil	Material Testing	MA Construction	1Day	1800
24	S.Azghagarsamy	-	Civil	Material Testing	PMGSY Scheme	2 Weeks	10,000
25	S.Azghagarsamy	-	Civil	Material Testing& Mix Design	PWD	2 Weeks	19,200
26	S.Azghagarsamy	-	Civil	Material Testing & Mix Design	GKM CONSTRUCTION	2 Weeks	39,150

27	Dr.J.Madhusudanan	-	AI&DS	AI-Enabled Intelligent Condition Monitoring	Chemin C&I Private Limited	1 Year	50,000
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.A.Thiagarajan	-	Mechanical Engineering	Sandwich composite for marine applications	Mannschaft Engineering Solution private limited	6 Months	1,50,000
2	Dr.K.Hemalatha	-	Mechanical Engineering	Hydrid metal matrix composite through powder metallurgy for automotive applications	Seja Sintors Private Limited	1 Year	1,86,360
3	Mr.A.Jeyachandran	-	Mechanical Engineering	Machining of aluminium metal matrix nano composites with electrical discharge machining.	Prasanna Precision Tools	1 Year	4,73,300
4	Mr.P.Jayakumar	-	Mechanical Engineering	Design and development of 3D Printed Jigs and Fixtures for Automotive Assembly Lines	Propeller technologies	2 Years	3,28,450
5	Mr.K.Navanitha Krishnan	-	Mechanical Engineering	Assessment and Improvement of Recycling Techniques for Multi-Layer Polymers	Premier Polymers and Pipes Pvt Limited	1 Year	1,82,500
6	Mr. R. Suresh	-	Information Technology	Platform for Tokenizing Real-world Assets	First Academy of Blockchain Council	6 Months	50,000
7	Dr.P.Jamuna	-	Electrical& Electronics Engineering (EEE)	Chopper controlled regenerative braking Unit for UPS Lift Applications	Eaton Power Quality Ltd., Puducherry	8 Months	1,50,000
8	Mr.C.AdrienPeriyanayagam	-	EEE	Automatic Mosquito Coil Stand Dropper Device	Vimkar Contracts Works LLP, Puducherry	8 Months	1,10,000

9	Mr.K.Thangaraj	-	EEE	Study and analyse the performance of industrial grid connected solar power plant	TIAS Energy Pvt Ltd.	8 Months	75,000
10	Mr.G.Rajavel	-	EEE	Automatic Dimension Measuring Stopper	Metal Scopes India Pvt Ltd.	8 Months	75,000
11	Dr.D.Raja	-	EEE	Realtime Asset Monitoring System using IoT with RFID and GPS	TVS LUCAS pvt Ltd, Puducherry	8 Months	75,000
12	Mrs. Bhavani. P	-	Computer Science Engineering (CSE)	AI-Based Gesture Controlled Robot	Murugappa Group	1 Year	1,00,000
13	Dr. T. Megala	-	CSE	Automated Fault Diagnosis and Monitoring System Using AI	Murugappa Group	1 Year	1,00,000
14	Dr.R. Kurinjimalar	-	Electronics And Communication Engineering (ECE)	Ortho Medical Shoes	Charles Industries Pvt Ltd	8 Months	87,000
15	J. Soundararajan	-	ECE	MOSFET Based 2KW Totem Pole PFC Design for EV Onboard Charger	Microtron India Technologies Pvt.Ltd.	6 Months	93,000
16	J. Soundararajan	-	ECE	Automated Armature Assembly	Tetra Automation Pvt.Ltd	1 Year	99,000
17	Dr.N. Saranya	-	ECE	Triple-Band Semi Circular Slotted Microstrip Antenna for Harvesting Ambient Energy of 900/ 2100/ 2300 MHz Cellular Bands	Syrma SGS Technology Limited	6 Months	96,000
18	Dr.P.Raja	-	ECE	A Compact Double Comb Shape Slotted Rectenna for Ambient RF Energy Harvesting	Centum Electronics Limited'	6 Months	91,000
19	Mrs.D.Sathiyasree	-	Civil Engineering	Cube Testing	Raamses Construction	1 Day	450
20	Mrs.D.Sathiyasree	-	Civil	Cube Testing	India Cements	1 Day	2,250
21	Mrs.D.Sathiyasree	-	Civil	Cube Testing	JSW Cements	1 Day	450

22	Mrs.D.Sathiyasree	-	Civil	Cube Testing	Uniqcore Constructions India Pvt. Ltd.	1 Day	8,550
Academic Year 2024-25							
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	Mr. R. Suresh	-	Information Technology	Blockchain based meeting application	First Academy of Blockchain Council	6 Months	60,000
2	Mr. R. Suresh	-	Information Technology	Blockchain integrated health management system	First Academy of Blockchain Council	6 Months	60,000
3	Dr.S.Ganesh kumaran	-	Electrical& Electronics Engineering (EEE)	Energy-Efficient LED Lighting and Smart Climate Control in Hydroponic System Of Vertical Farming Using AI and IoT	RECON Group of Companies, Tamil Nadu	1 Year	75,000
4	Mr.S.John Powl	-	EEE	Sustainable Energy Harvesting Technology for E-BICYCLE	RECON Group of Companies, Tamil Nadu	1 Year	75,000
5	Dr. M. Ganesan	-	Computer Science Engineering (CSE)	Design and Development of an Indigenous Wearable Positional Sense Detection System	AAHA Solutions	1 Year	1,00,000
6	K.Jambulingam	-	Electronics And Communication Engineering (ECE)	AI Integrated Body Area Network (BAN) Device for Intelligent Patient Monitoring and Assistance	Widezo Private Limited	1 year	1,68,000
7	K.Jambulingam	-	ECE	Portable microfluidic blood cell counter using inertial focusing and multifrequency Impedance for point-of-care Diagnostics	Connect & Cure	1 year	1,90,000
8	Mr.A.Jeyachandran	-	Mechanical Engineering	New product and	Seja Sinters	1 year	2,46,300

				development			
9	Mr. V. Murugappan	-	Civil Engineering	Material Testing	JSW Cements, Puducherry	1 Day	600
10	Dr. C. Raj Govind	-	Civil	Material Testing	Rudran Construction, Chennai	1 Day	5400
11	Mr. MCK Jamenraja	-	Civil	Material Testing	Rudran Construction, Chennai	1 Day	1800
12	Mrs. J Jayapriya	-	Civil	Material Testing	Amrita Vidyalayam, ECR, Kirumampakkam	1 Day	300
13	Mrs. A. Kalyani	-	Civil	Material Testing	Continental, Villupuram	1 Day	300
14	Mr. MCK Jamenraja	-	Civil	Material Testing	Continental, Villupuram	1 Day	300
15	Mrs. A. Kalyani	-	Civil	Material Testing	Continental, Villupuram	1 Day	300
16	Mr. K. Srinivasan	-	Civil	Material Testing	JSW Cements, Puducherry	1 Day	600


Dean Research


Director cum Principal

