



SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution)

SRM Nagar, Kattankulathur-603203

Department of Electronics and Instrumentation Engineering



PROJECT PROPOSALS 2019-2025

S.No.	Name of the Scheme	Name of the Organization	Proposal submitted by	Title	Applied / Granted	Amount (Rs.)	Year
1.	Student Project Scheme	SRM VEC	Dr. K. Ayyar, K. R. Ganesh	Surveillance wearable safety device for women using raspberry pi'	Granted	Rs.5000	2024-25
2.	Student Project Scheme	Nan Mudhalvan Niral Thiruvizha-2 Project Hackathan	Dr.M.Banu Sundareswari	IOT based Hospital Management	Sanctioned	Rs.10000	2024-25
3.	Seed Fund as Initiatives	SRM VEC	Dr.K.Ayyar	Design and Optimization of Renewable Energy Systems using grid connected Inverter and Microgrid control with RERNN-DBO based Optimization Techniques	Granted	3,00,000	2024-25
4.	Seed Fund as Initiatives	SRM VEC	Dr. S. Visalakshi Dr. R. Issan Raj	Design of Solar cells for improving the energy extraction to develop sustainable green staff room.	Applied	3,00,000	2024-25
5.	Seed Fund as Initiatives	SRM VEC	Dr. S. Visalakshi Dr. M. Banu Sundareswari	Design of Solar-Powered E-Auto Rickshaw.	Applied	3,00,000	2024-25



SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution)

SRM Nagar, Kattankulathur-603203

Department of Electronics and Instrumentation Engineering



6.	Seed Fund as Initiatives	SRM VEC	Dr. K. Ayyar Mr. N. Sowrirajan	IoT- Based control of flow process using Raspberry Pi.	Applied	3,00,000	2024-25
7.	Seed Fund as Initiatives	SRM VEC	Dr. K. Ayyar Mr. B. Parameswaran	Design and Optimal Control of a Novel Single Inductor Multi-Input Multi-Output DC-DC Converter for Electric Vehicle Applications.	Applied	3,00,000	2024-25
8.	Seed Fund as Initiatives	SRM VEC	Mr. P. Tamilmani Dr. V. Srinivasan	Power Loss Mitigation in PV Farms through Current Compensation from Pilot Energy Storage System.	Applied	3,00,000	2024-25
9.	Student Project Scheme	SRM VEC	Mr.B.Parameswaran, AP/EIE	IOT Based Food And Grain Condition Traceability And Controlling System	Granted	5000	2023-24
10.	SERB Core Research Grand	CRG – 2023	Dr.S.Visalakshi	Modelling of Solar Cells to improve the energy extraction efficiency for peoples residing in remote location	Applied	24,30,000	2023-24
11.	Project Scheme	SRM VEC	Dr.S.Visalakshi,	Performance Improvement of Solar Cell using Modified Boost Converter	Granted	5000	2022-23



SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution)

SRM Nagar, Kattankulathur-603203

Department of Electronics and Instrumentation Engineering



12.	SERB	DST	PI: Dr.Umamaheshwari, AP/EIE Co-PI: Dr.S.Chitra, Head & AP/Maths	Implementation of augmented reality for growth challenges in agricultural ecosystems	Applied	13,17,690	2022-23
13.	Research Promotion Scheme	AICTE	PI: Dr.S.Visalakshi, Vice principal & Professor Co-PI: Mr.R.Issan Raj, AP/EIE	Modelling and Analysis of Solar Cell for improving the energy extraction efficiency	Applied	24,90,000	2022-23
14.	MODROBS	AICTE	Dr.S.Visalakshi, Vice principal & Professor	Modernization of Industrial Automation Laboratory	Applied	19,73,000	2021-22
15.	RPS	AICTE	Dr.S.Visalakshi, Professor & Head/EIE	Theoretical & Experimental Investigation of vibration Energy Harvester with auto tuning capability	Applied	Rs. 24,50,000	2021-22
16.	Project Scheme	SRM VEC	Mr.B.Parameashwaran, AP/EIE	Wireless field exploring Robot for Surveillance Applications	Granted	5000	2021-22
17.	AICTE	AICTE	Dr.K.Ayyar,	AICTE-AQIS-STTP Scheme	Granted	4,46,217	2020- 21
18.	Student Project Scheme	SRM VEC	Ms. K. Rathna Priya	Design and Prototyping of a low cost portable mechanical ventilator with sustained battery reinforcement	Granted	Rs.5000	2020- 21
19.	National Board of Higher	National Board of Higher	Dr.S. Chitra, AP / Maths	Evolving framework on Mangal bhumi	Applied	Rs.12,76,550	2020- 21



SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution)

SRM Nagar, Kattankulathur-603203

Department of Electronics and Instrumentation Engineering



	Mathematics (NBHM)-	Mathematics (NBHM)-	Dr.R. Umamaheswari, AP/EIE	multifunctional program for barren land to support farming in India			
20.	Student Project Scheme	SRM VEC	Mr. V. Suresh Kumar	Design of IoT based smart stretcher for monitoring mobile patients	Granted	Rs.5000	2019- 20
21.	Student Project Scheme	TNSCT	Ms.M.Ramya Princess	Humanless Farming	Granted	Rs.7500	2019- 20