

On-going Research Project

Name of Investigator/s	Duration of project	Name of the research project	Amount (Rs. in Lakhs)	Name of funding agency & Status
Dr. T. Devaraju Professor/EEE	3 Years (2020-21 to 2023-24)	Science Technology and Innovation STI Hub in Chandragiri Mandal, Chittoor District, Andhra Pradesh State for the Socioeconomic Development of Scheduled Caste (SC) and Scheduled Tribe (ST) Communities.	361.3	DST-SEED for the Science and Technology Innovation Hub
Dr. S. Prabhu & Dr. B. Hemanth Kumar Assistant Professor/EEE	2 Years (2021-22 to 2022-23)	Design, Analysis, Implementation and Testing of Novel High Power Density Switched Reluctance Hub Motor for Electric Vehicles	1.6	Sree Vidyanikethan Educational Trust
Dr. V. Arun Professor/EEE	2 Years (2023-24 to 2024-25)	Development Of Compact Multi-Level Inverter with Reduced Components and On-State Switches for Renewable Energy Application	1.28	Sree Vidyanikethan Educational Trust (Approved)

Completed Research Project

Name of Investigator/s	Duration of project	Name of the research project	Amount (Rs. in Lakhs)	Name of funding agency & Status
Dr. E. Parimalasundar & Dr. D. Suresh Babu Associate Professor/EEE	2 Years (2019-20 and 2020-21)	Real time monitoring & fault identification in multilevel inverter fed Induction Motor drive	1.45	Sree Vidyanikethan Educational Trust

Academic Year 2022-23

Name of Investigator/s	Project duration in years	Name of the research project	Amount (Rs. in Lakhs)	Name of funding agency & Status
Dr. G. Hari Krishnan (PI) and Dr. M. S. Sujatha (CO-PI)	3	Development and Implementation of an Advanced LED Phototherapy System for Effective and Affordable Diagnosis and Treatment of Neonatal Jaundice	57.6	DST/TDP/BDTD (2023 - Under review)
Dr. V. Arun (PI) and Dr. S. Prabhu (CO-PI)	3	Development of a Dual DC Link Novel Multi-Level Inverter with Reduced Components and On-State Switches for Renewable Energy Application	24.25	CPRI/RSOP (2022 - Under review)

Academic Year 2021-22

Name of the Faculty	Project duration in years	Name of the research project	Amount (Rs. in lakhs)	Name of funding agency & Status
Dr. E. Parimalasundar (PI) & Dr. K. Suresh (CO - PI)	3	A reconfigurable inverter with minimal switches and fault compensation for PV system supporting Home-Gird and EV charger (SPR/2022/000035)	25.34	DST – SUPRA (Declined)
Dr. K. Suresh (PI) & Dr. E. Parimalasundar (CO-PI)	3	Battery management and effective utilization using universal controller in battery operated electric vehicle to avoid fire accident (SPR/2022/000031)	18.85	DST – SUPRA (Declined)

PROPOSAL SUBMITTED FOR EXTERNAL FUNDING

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Academic Year 2021-22

Name of Investigator/s	Project duration in years	Name of the research project	Amount (Rs. in Lakhs)	Name of funding agency & Status
Dr K. Leledhar Rao	3 (Applied on - 30.11.2021)	Resource Utilization of Solar Energy on the Roof of APSRTC Buses - An Experimental Verification (TPN / 76036)	25.5	DST (Declined)

Academic Year 2020-21

Name of Investigator/s	Project duration in years	Name of the research project	Amount in Lakhs	Name of funding agency & Status
Dr. T. Devaraju	2	Development of Compact asymmetrical multilevel inverter with different pulse width modulation techniques	24.25	CPRI, Bangalore
Mr. K Leledhar Rao	3	Boost-up Alternate power generation for plead irrigation	22.72	AQIS-RPS 1-7094626281
Dr.T. Devaraju	3	Sustainable livelihood development of yandadi tribe through tangible technology and training	199.00	DST-SEED TPN/40261, 30- 10-2019
Dr. T. Devaraju	3	Power quality enhancement in Rural Residential-Standalone Photovoltaic system using Compact Multilevel Inverter	29.5	SERB-SUPRA SPR/2019/000331
Dr. K. Suresh	3	Design and implementation of multisource converter based energy storage system for agriculture application	21	DST-EMEQ