

P.V.P SIDDHARTHA INSTITUTE OF TECHNOLOGY (AUTONOMOUS), KANURU

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

LIST OF GRANTS SANCTIONED BY EXTERNAL & INTERNAL FUNDING AGENCIES

S.No.	Academic Year	Title	Name of the Principal Investigator	Scheme	Funding agency	Amount Sanctioned	Status	Duration
1	2024-2025	Design and development of food feedback system for the canteen and girls hostel	Dr.Ch.Padmanabha Raju	-----	SAGTE	1,00,000	Completed	6 months
2	2024-2025	Solar based charging station of capacity 1kW	Dr.N.Vijaya anand	-----	SAGTE	30,000	Completed	6 months
3	2024-2025	IOT based interactive information system	Dr.D.Ragaleela	-----	SAGTE	25,000	Completed	6 months
4	2024-2025	IOT based automatic garbage collection for smart cities & smart door lock	V.Sai Geetha Lakshmi	-----	SAGTE	35,000	Completed	6 months
5	2024-2025	Campus Energy Monitoring System	M.Hemanth Sai	-----	SAGTE	25,000	Completed	6 months
6	2024-2025	Conversion of normal bike to e-bike	K.Bhavana	-----	SAGTE	40,000	Completed	6 months
7	2023-2024	Development of an automated coconut breaking Machine	Dr. D.Ragaleela	SEG on Rural Energy System	Unnat Bharath Abhiyan	Rs.91,000/-	Completed	6 months
8	2023-2024	Tender coconut punching machine	Dr. D.Ragaleela	Idea Hackathon 3.0 (women)	MSME	Rs.15,00,000/-	Ongoing	2 years
9	2023-2024	Locating various power plants in AP using IOT	Dr. Ch.Padmanabha Raju	-----	SAGTE	Rs.20,000/-	Completed	6 months
10	2023-2024	Agri Tech Master	M. Devika Rani	-----	SAGTE	Rs.25,000/-	Completed	6 months
11	2023-2024	Automatic lawn Mover	K.Bhavana	-----	SAGTE	Rs.20,000/-	Completed	6 months
12	2023-2024	Biomedical waste monitoring system using IOT	Dr. K. Lenin	-----	SAGTE	Rs.30,000/-	Completed	6 months

13	2023-2024	Multifunctional fire-fighting robot	Dr. M. V. Ramesh	-----	SAGTE	Rs.25,000/-	Completed	6 months
14	2023-2024	Interactive Robot with Speech Recognition and Realistic Simulation	J. Hemalatha	-----	SAGTE	Rs.20,000/-	Completed	6 months
15	2022-2023	Design and simulation of automatic sun tracking Solar panel using ARDUINO	Dr.C.Kumar	-----	SAGTE	Rs. 17,000 /-	Completed	6 months
16	2022-2023	A smart Helmet for improving safety in mining industry	V.Sai Geetha Lakshmi	-----	SAGTE	Rs. 11,500 /-	Completed	6 months
17	2022-2023	Smart charging stations for electric vehicles through IOT interface	Dr.M.V.Ramesh	-----	SAGTE	Rs. 27,700 /-	Completed	6 months
18	2022-2023	FPGA trainer	Dr.P.Muthukumar	-----	SAGTE	Rs. 20,000 /-	Completed	6 months
19	2022-2023	Underwater surveillance vehicle	Mr.P.Karunakar	-----	SAGTE	Rs. 15,250 /-	Completed	6 months
20	2021-2022	Hardware Implementation of Electric Vehicle Two Wheeler at Laboratory Level & Design and Development of Three Wheeler Electric Vehicle	Dr.C.Kumar	-----	SAGTE	Rs.90,000/-	Completed	2 years
21	2021-2022		Dr.N.Vijayanand	-----	SAGTE	Rs.1,50,000/-	Completed	2 years
22	2021-2022		Dr.D.Ragaleela	-----	SAGTE	50,000/-	Completed	2 years
23	2019-2020	Design and Implementation of Multipurpose Microcontroller based Inverter	Dr.M.V.Ramesh	-----	SAGTE	60,000/-	Completed	2 years
24	2019-2020	Flexible Multilevel DC link Inverter using FPGA	Dr.P.Muthukumar	-----	SAGTE	98,000/-	Completed	2 years
25	2019-2020	Customizable FPGA based control of Three Phase Induction Motor	K.Bhavana	-----	SAGTE	67,000/-	Completed	2 years
26	2018-2019	Design and Analysis of Power System Protection, security & Analysis	Dr. M. Venu Gopala Rao	MODROBS-Modernisation & Removal of Obsolescence	AICTE – AQIS	13,00,000/-	Completed	2 years
27	2018-2019	Advanced trends in Renewable sources of energy	Dr. M.V. Ramesh	STTP	AICTE AQIS	Rs.2,50,000/-	Completed	9 months

28	2018-2019	Unnat Bharat Abhiyan Under this program five villages were adopted and for each village ten thousand rupees is provided under UBA	Dr.Ch.Padmanabha Raju	UBA-2.0	MHRD Government of India through a challenge mode application	Rs.50,000/-	Ongoing	1 year
29	2018-2019	Smart Garbage Monitoring system	R.Swathi	---	SAGTE	Rs.3269/-	Completed	6 months
30	2018-2019	Railway Track Crack detection System	V. Sai Geetha Lakshmi	---	SAGTE	Rs.4944/-	Completed	6 months
31	2018-2019	Solar based Grass Cutting ROBOT	Y. Vishnu Murthulu	---	SAGTE	Rs.6670/-	Completed	6 months
32	2018-2019	Broken rotor bar detection in Induction motor using Artificial Intelligence	Dr.M. Venu Gopala Rao	---	SAGTE	Rs.8000/-	Completed	6 months
33	2018-2019	Smart Floor Cleaning Robot	Patchala Karunakar	---	SAGTE	Rs.5346/-	Completed	6 months
34	2018-2019	FPGA Based 31 level multilevel inverter by using H Bridges	Dr. P. Muthukumar	---	SAGTE	Rs.15400/-	Completed	6 months
35	2018-2019	Solar Agro Sprayer	Dr. Ch Padmanabha Raju	---	SAGTE	Rs.4884/-	Completed	6 months
36	2017-18	Installation of Dandelion water fountain in front of college garden	Dr. Ch.Padmanabha Raju	---	SAGTE	Rs.3,53,000/-	Completed	1 year
37	2017-18	Smart Scooter	Dr. Ch.Padmanabha Raju	---	SAGTE	Rs.5,085/-	Completed	6 months
38	2017-18	Solar PV-Wind Hybrid Power Generation System	Y. Vishnu Murthulu	---	SAGTE	Rs. 2542/-	Completed	6 months
39	2017-18	Automatic Seed Plantation Robot	Dr. M.V. Ramesh	---	SAGTE	Rs.3390/-	Completed	6 months
40	2017-18	Sign to Speech Conversion for DUM People	V. Sai Geetha Lakshmi	---	SAGTE	Rs.1695/-	Completed	6 months
41	2017-18	Electrical Power Generation from Tidal Energy an Approach to Utilize Renewable Energy	K. Lalitha	---	SAGTE	Rs.2119/-	Completed	6 months
42	2017-18	Fault Detection of Underground cables using ARDUINO	Dr. M. Venu Gopala Rao	---	SAGTE	Rs.2542/-	Completed	6 months
43	2017-18	Design and Development of Solar Charge controller with SUN Tracking	Dr. K. Lenin	---	SAGTE	Rs.2119/-	Completed	6 months

44	2017-18	Solar Powered Electric Tri-Cycle for Physically Challenged Persons	M.Ravi kumar	---	SAGTE	Rs. 8,475/-	Completed	6 months
45	2017-18	Design of Energy Management System using IOT	N. Vijaya Anand	---	SAGTE	Rs.2119/-	Completed	6 months
46	2017-18	Generation of Electric Power utilization waste heat energy obtained from Home appliances	V. Harika	---	SAGTE	Rs.3390/-	Completed	6 months
47	2016-2017	Installation of water fountain at Open Auditorium and at Main door entrance Budda statue	D.Ragaleela & Dr. Ch.Padmanabha Raju	---	SAGTE	Rs. 1,30,000 /-	Completed	6 months
48	2014-2015	Minor research project on solar based Permanent magnet brushless driven electric vehicle	Dr. M.V. Ramesh	SERO	UGC	Rs.4,30,000/-	Completed	2 yrs
49	2013-2014	Two day National Seminar on “Recent Innovative Trends of Electrical motors and its applications”	Dr. M.V. Ramesh	Seminar & Symposia Scheme	SERB	Rs. 75,000	Completed	6 months
50	2013-2014	Fabrication of Solar powered pushcart	M.Ravi kumar, B.Mohan, K.Bhavana	---	SAGTE	Rs.30,000/-	Completed	6 months
51	2012-2013	Improvement of campus lightning-arrangement of solar lights and light fittings	EEE staff	---	SAGTE	Rs. 1,53,000/-	Completed	6 months