

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	2023-2024	Development of an automated coconut breaking Machine	Dr. D.Ragaleela	SEG on Rural Energy System	Unnat Bharath Abhiyan	Rs.91,000/-	Ongoing	6 months
2	2023-2024	Tender coconut punching machine	Dr. D.Ragaleela	Idea Hackathon 3.0 (women)	MSME	Rs.12,75,000/-	Ongoing	1 year
3	2023-2024	Locating various power plants in AP using IOT	Dr. Ch.Padmanabha Raju	-----	SAGTE	Rs.20,000/-	Ongoing	6 months
4	2023-2024	Agri Tech Master	M. Devika Rani	-----	SAGTE	Rs.25,000/-	Ongoing	6 months
5	2023-2024	Automatic lawn Mover	K.Bhavana	-----	SAGTE	Rs.20,000/-	Ongoing	6 months
6	2023-2024	Biomedical waste monitoring system using IOT	Dr. K. Lenin	-----	SAGTE	Rs.30,000/-	Ongoing	6 months
7	2023-2024	Multifunctional fire-fighting robot	Dr. M. V. Ramesh	-----	SAGTE	Rs.25,000/-	Ongoing	6 months
8	2023-2024	Interactive Robot with Speech Recognition and Realistic Simulation	J. Hemalatha	-----	SAGTE	Rs.20,000/-	Ongoing	6 months

9	2022-2023	Design and simulation of automatic sun tracking Solar panel using ARDUINO	Dr.C.Kumar	-----	SAGTE	Rs. 17,000 /-	Completed	6 months
10	2022-2023	A smart Helmet for improving safety in mining industry	V.Sai Geetha Lakshmi	-----	SAGTE	Rs. 11,500 /-	Completed	6 months
11	2022-2023	Smart charging stations for electric vehicles through IOT interface	Dr.M.V.Ramesh	-----	SAGTE	Rs. 27,700 /-	Completed	6 months
12	2022-2023	FPGA trainer	Dr.P.Muthukumar	-----	SAGTE	Rs. 20,000 /-	Completed	6 months
13	2022-2023	Underwater surveillance vehicle	Mr.P.Karunakar	-----	SAGTE	Rs. 15,250 /-	Completed	6 months
14	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 yrs
15	2021-2022		Dr.N.Vijayanand	-----	SAGTE	Rs.1,50,000/-	Completed	2 yrs
16	2021-2022		Dr.D.Ragaleela	-----	SAGTE	50,000/-	Completed	2 yrs
17	2019-2020	Design and Implementation of Multipurpose Microcontroller based Inverter	Dr.M.V.Ramesh	-----	SAGTE	60,000/-	Completed	2 yrs
18	2019-2020	Flexible Multilevel DC link Inverter using FPGA	Dr.P.Muthukumar	-----	SAGTE	98,000/-	Completed	2 yrs
19	2019-2020	Customizable FPGA based control of Three Phase Induction Motor	K.Bhavana	-----	SAGTE	67,000/-	Completed	2 yrs
20	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 yrs

21	2018-2019	Advanced trends in Renewable sources of energy	Dr. M.V. Ramesh	STTP	AICTE AQIS	Rs.2,50,000/-	Completed	9 months
22	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
23	2018-2019	Smart Garbage Monitoring system	R.Swathi	---	SAGTE	Rs.3269/-	Completed	6 months
24	2018-2019	Railway Track Crack detection System	V. Sai Geetha Lakshmi	---	SAGTE	Rs.4944/-	Completed	6 months
25	2018-2019	Solar based Grass Cutting ROBOT	Y. Vishnu Murthulu	---	SAGTE	Rs.6670/-	Completed	6 months
26	2018-2019	Broken rotor bar detection in Induction motor using Artificial Intelligence	Dr.M. Venu Gopala Rao	---	SAGTE	Rs.8000/-	Completed	6 months
27	2018-2019	Smart Floor Cleaning Robot	Patchala Karunakar	---	SAGTE	Rs.5346/-	Completed	6 months
28	2018-2019	FPGA Based 31 level multilevel inverter by using H Bridges	Dr. P. Muthukumar	---	SAGTE	Rs.15400/-	Completed	6 months
29	2018-2019	Solar Agro Sprayer	Dr. Ch Padmanabha Raju	---	SAGTE	Rs.4884/-	Completed	6 months
30	2017-18	Installation of Dandelion water fountain in front of college garden	Dr. Ch.Padmanabha Raju	---	SAGTE	Rs.3,53,000/-	Completed	1 year
31	2017-18	Smart Scooter	Dr. Ch.Padmanabha Raju	---	SAGTE	Rs.5,085/-	Completed	6 months

32	2017-18	Solar PV-Wind Hybrid Power Generation System	Y. Vishnu Murthulu	---	SAGTE	Rs. 2542/-	Completed	6 months
33	2017-18	Automatic Seed Plantation Robot	Dr. M.V. Ramesh	---	SAGTE	Rs.3390/-	Completed	6 months
34	2017-18	Sign to Speech Conversion for DUM People	V. Sai Geetha Lakshmi	---	SAGTE	Rs.1695/-	Completed	6 months
35	2017-18	Electrical Power Generation from Tidal Energy an Approach to Utilize Renewable Energy	K. Lalitha	---	SAGTE	Rs.2119/-	Completed	6 months
36	2017-18	Fault Detection of Underground cables using ARDUINO	Dr. M. Venu Gopala Rao	---	SAGTE	Rs.2542/-	Completed	6 months
37	2017-18	Design and Development of Solar Charge controller with SUN Tracking	Dr. K. Lenin	---	SAGTE	Rs.2119/-	Completed	6 months
38	2017-18	Solar Powered Electric Tri-Cycle for Physically Challenged Persons	M.Ravi kumar	---	SAGTE	Rs. 8,475/-	Completed	6 months
39	2017-18	Design of Energy Management System using IOT	N. Vijaya Anand	---	SAGTE	Rs.2119/-	Completed	6 months
40	2017-18	Generation of Electric Power utilization waste heat energy obtained from Home appliances	V. Harika	---	SAGTE	Rs.3390/-	Completed	6 months
41	2016-2017	Installation of water fountain at Open Auditorium and at Main door entrance Buddha statue	D.Ragaleela & Dr. Ch.Padmanabha Raju	---	SAGTE	Rs. 1,30,000 /-	Completed	6 months

42	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
43	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
44	2013-2014	Fabrication of Solar powered pushcart	M.Ravi kumar, B.Mohan, K.Bhavana	---	SAGTE	Rs.30,000/-	Completed	6 months
45	2012-2013	Improvement of campus lightning- arrangement of solar lights and light fittings	EEE staff	---	SAGTE	Rs. 1,53,000/-	Completed	6 months