

VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE
Ongoing Research Projects last 5 years

S.NO.	Grant Received From	Scheme	File No. / Date	Total Amount Rs.	Non Recurring	Recurring	Achievements	Date of Sanction / Received	Title
1	AICTE	RPS	F.NO.8-21/FDC/RPS (POLICY-1)/2019-20 DT. 14.08.2020	689433.00	586018.00	103415.00	In Progress	10/12/2020	Low cost housing construction using Quick Build paels for cyclone and earthquake prone regions (Dr.Chava Srinivas, Professor & HOD, CE dept.)
2	ISRO	Respond Project	F.NO. DS-2B-13012(2)/10/2021-Sec.2 dt.25.08.2021	2530000.00	236000.00	2294000.00	In Progress	16/10/2021	"Qualitative and quantitative classification of mixed bamboo forests using ggeospatial technology" (Dr.K.Srinivas, Prof. CSE dept.)
3	DST / SERB	TARE	F.NO. TAR/2021/000017 DT. 11.01.2022	825000.00	0.00	825000.00	In Progress	'2401/2022	"Studies on mixing an d Combustation of methane-air in the presence3 of avortex flow field " (Dr.M.Jogendra Prasad, ME dept.)
4	Department of Space (ISRO)	Respond Programme	No.DS-2B-13012(2)/15/2022-Sec.2, dt. 22/06/2022	1784920.00	240000.00	1544920.00	In Progress	22/06/2022	"Updating of very large scale urban GIS maps with latest very high resolution satellite data using deep learning techniques" (Dr.S.Vasavi, Prof, CSE Dept.)
5	Department of Space (ISRO)	Respond Programme	No.DS-2B-13012(2)/17/2022-Sec.2, dt. 22/06/2022	2793520.00	100000.00	2693520.00	In Progress	22/06/2022	"Developing Efficient Local Scale Impact Evaluation tools using Geospatial System to Assess National Development Mission Outcomes and SDG Goals" (Dr.M.Suneetha, HOD, IT)
6	Department of Automic Enengry	BRNS	No.58/14/20/2022-BRNS/37072 DT. 22.09.2022	2475100.00	500000.00	1975100.00	In Progress	04/10/2022	Fabrication and characterization of Novel Nanoscale Field Effect Transistors (FET) Array to detect VOCs for Breast Cancer Screening" Dr.Aniruddh Yadav, ECE Dept.
7	DST / SERB	TARE	F.NO. TAR/2021/000275 DT. 13.12.2022	275000.00	0.00	275000.00	In Progress	13/12/2022	"Design and synthesis of cocrystals / salts aof anticancer drugs to improve physicochemical and pharmacokinetic properties : crystal engineering approach" Dr. P.Krishna Murthy, Chemistry
8	DRDO / NSTL	CARS	NSTL/23CR0005/MNG/GN/CM S-111/CARS/04 DT.14.03.2023	1693300.00	0.00	1693300.00	In Progress	14-03-2023	"Health assessment of an existing GRRP composite shell " PI Dr.B.Raghava Ra and Dr.V.Bala Krishna Murthy, ME dept.
9	DST	IIT, Kharagpur		2319295.00	2319295.00	0.00	In Progress	20/10/2023	" Impact of Climate Change on Offshore Wind and Wave Powr Potential in the India EEZ Region" Dr.S.Vasavi, Profeesor & Programme coordinator, AIDS
10	DRDO / Ministry of Finance	Advanced Systems Laboratory	F.No. ASL/CPC/2023/38 DT, 29.12.2023	500000.00	0.00	500000.00	In Progress	29/12/2023	"Design and FE analysis of a composite Pressure Vessel" Dr.A.V.Ratna Prasad , Professor & HOI
11	Department of Science & Technology (DST)	SERB	F.NO. SUR/2022/003427 DT. 11.01.2024	1192100.00	403730.00	788370.00	In Progress	11/01/2024	"Design and experimental validation of a novel AI-powered artificial pancreas" Dr.J.Sateesh, ECE and Dr.G.Kalyani, IT
12	DRDO / HEMRL	CARS	HEMRL/CARS/MED/23-24/02, DT.30.01.2024	997100.00	0.00	997100.00	In Progress	31/01/2024	"Design and Development of a Composite Tube" Dr.V.Balakrishna Murthy, Professor, ME dept.
13	SERB	TARE	F.NO. TAR/2023/000477 DT. 09.01.2024	1830000.00	1830000.00	0.00	In Progress	09/01/2024	"Design and Characterization of Sram-Based Dosimeter" Dr.Ch.N.Raguram, ECE Dept.
14	SERB	TARE	F.NO. TAR/2023/000313 DT. 09.01.2024	1830000.00	1830000.00	0.00	In Progress	09/01/2024	"Tracking the fluxes: Remote sensing of river discharge and suspended material deposits in coastal regions" Dr. Vinay Kumar, Civil Dept.
15	Dept. of space	ADRIN	ADRIN-AIDS-VS-FEB-2024-1	3290760.00	250000.00	3040760.00	In Progress	14/02/2024	"Development of Infra-Red Camera Based Crowd Video Surveillance using Hybrid Deep-learning Model" Dr.S.Vasavi, Professor & HOD, AI&DS
16	Dept. of space	ADRIN	ADRIN-AIDS-EC-FEB-2024-1	2945840.00	826000.00	2119840.00	In Progress	14/02/2024	" Development of Edge mputing Framework for Multi-object detection using Deep-learning Techniques and Analysis for Satellite In-Orbit processing" Dr.S.Vasavi, Professor & HOD, AI&DS