



SIDDHARTHA

ACADEMY OF HIGHER EDUCATION

An Institution Deemed to be University

(Under Section 3 of UGC Act, 1956)

Kanuru, Vijayawada - 520 007, AP. www.siddhartha.edu.in

(Sponsors : Siddhartha Academy of General and Technical Education)

Research Grants for the Academic Year: 2025-26

Sl. No.	Dept	Name of the Principal Investigator/ Co-Investigator	Department of the Principal Investigator	Title of the Research Project	Name of the Funding Agency	Type (Government /Non-Government)	Funds provided (INR in lakhs)	Month and Year of receiving the grant	Duration of the Project
1	CE	Dr. G. Vinay Kumar	CE	DST-TARE (Teaching Associateship for Research Excellence)	DST, Government of India	Govt	2,75,000	2024	36 Months
2	CE	Dr. G. V. Rama Subba Rao	CE	Geotechnical Investigation Works at Various Locations at Guntur Channel Extension Project	Avani Engineering Consultancy Pvt. Ltd.	Non-Govt/Industry	2,95,000	2026	3 Months
3	CE	Dr. G. V. Rama Subba Rao	CE	Conducting Necessary Subsoil Investigations and Recommending Suitable Foundation for Development of Open Plot Layout & Construction of Villas at Nambur Village, Peddakakani Mandal, Guntur District	NKBP Developers LLP	Non-Govt/Industry	97,940	2025	3 Months
4	CE	Dr. N. R. Krishnamurthy	CE	Soil Investigation for the APCOB Training Complex at Rayapudi, APCRDA	The Zonal Manager, APIIC, Vijayawada	Govt	4,42,500	2026	2 Months
5	CE	Dr. N. R. Krishnamurthy	CE	Soil Investigation for the Proposed Strengthening of Link Canal – II near Ibrahimpatnam	NTTPS / APGENCO, Ibrahimpatnam	Govt	1,41,600	2025	2 Months

6	CE	Dr. N. R. Krishnamurthy	CE	Soil Investigation for the Construction of High Rise Hospital Building at Nidamanuru, A.P	Lakshmee Foundation Hospital, Vijayawada	Govt	88,795	2026	2 Months
7	CE	Dr. N. R. Krishnamurthy	CE	Sub Soil Investigation and Foundation Solutions for Construction of Bank of Baroda Building in Amaravathi, APCRDA	CPWD, Vijayawada	Govt	1,39,688	2026	2 Months
8	CE	Dr. N. R. Krishnamurthy	CE	Sub Soil Investigation and Foundation Solutions for Construction of Bank Building for NABARD in Amaravathi, APCRDA	CPWD, Vijayawada	Govt	1,40,184	2026	Not Specified
9		Dr. G. V. Rama Subba Rao	CE	Roadbed rehabilitation of Rajamundry Railway Station using vaccum assisted soft soil Road bed	Sri Godavari Eng. Consultancy Pvt Ltd.,	Non-Govt	50,150	2026	2 Months
10		Dr. N. R. Krishnamurthy	CE	Soil investigation for the proposed construction of Canara bank Building in Amaravathi	CPWD, Vijayawada	Govt	1,37,706	2026	2 Months
11		Dr. N. R. Krishnamurthy	CE	Soil investigation for the proposed construction of Biomass /Biochar unit in PEDAVEGI Eluru	Varaha cimete ag Pvt. Ltd.,	Non-Govt	59,000	2026	2 Months
12		Dr. N. R. Krishnamurthy	CE	Conducting Soil Investigation for the proposed construction of CAG office Building Amaravathi	CPWD, Vijayawada	Govt	2,53,113	2026	2 Months
13		Dr. N. R. Krishnamurthy	CE	Conducting Soil Investigation for the proposed construction of Passport office Building Amaravathi	CPWD, Vijayawada	Govt	2,63,164	2026	2 Months
14	CSE	Dr M. Sobhana	CSE	Updating of very Large-Scale Urban GIS maps with latest very high-resolution satellite data using deep learning techniques ISRO/RES/4/698/22-23	ISRO: NRSC	Govt.	17,84,920	June 23, 2022	2 Yrs.

15	CSE	Dr K. Srinivas, Dr. K. Suvarna Vani	CSE	Qualitative and quantitative classification of mixed bamboo forests using geospatial technology ISRO/RES/3/876/21-22	ISRO: NESAC	Govt.	25,30,000	August 27, 2021	3 Yrs.
16	CSE	Dr. M. Sobhana	CSE	Impact of Climate Change on Offshore Wind and Wave Power Potential in the India EEZ Region PFM/IPN23102000008LE/C10 23488613 28/	AI4ICPS - IIT KGP	Govt.	23,22,145	October 10, 2023	2 Yrs.
17	CSE	Dr. Ramesh Kumar P., Dr. KL Sailaja, Ch. Mukesh	CSE	Development of Edge Computing Framework for Multi-Object detection based on Deep learning Techniques and Analysis for satellite in Orbit Processing IA-ADRIN-VRSEC-EC-FEB/2024/1	ADRIN, ISRO	Govt.	29,45,840	February 14, 2024	3 Yrs.
18	CSE	Dr. Ramesh Kumar P., Dr. M. Sobhana, Mrs. J. Malathi, Dr. K. Keerthi, Dr. T. Bindu Madhavi	CSE CE	Development of Infrared camera-based Crowd Video Surveillance using Hybrid Deep Learning Model IA-ADRIN-VRSEC-VS-FEB/2024/1	ADRIN, ISRO	Govt.	32,93,136	February 14, 2024	2 Yrs.
19	CSE	Dr. Ashutosh Satapathy	CSE	Development of an IoT-enabled River Cleaning Robot for Removal of Floating Debris AURA20250331180912	AICTE AURA	Govt.	2,00,000	October 07, 2024	1 Yr.
20	CSE	Dr G. Anuradha	CSE	AI Enabled framework for Monitoring Salinity Effected soils in Coastal Andhra Pradesh using Remote sensing data and Deep learning Algorithms ANRF/IRG/2024/000996/ENS	ANRF IRG	Govt.	20,10,948	March 05, 2025	3 Yrs.

21	CSE	Dr. Ch. Rupa	CSE	Blockchain based Medical Digital Assets Protection Against Frauds AURA20250305111418	AICTE AURA	Govt.	2,00,000	March 04, 2025	2 Yrs.
22	CSE	Dr. Ch. Rupa	CSE	Design and Development of a Robust Authentication Protocol for Blockchain based Underwater Vehicles Secure Communication System Appl.ID: 4902	Advanced Manufacturing Institute, King Saud University, Saudi Arabia	Public	30,000 SAR	April 28, 2025	1 Yr.
23	ECE	Dr.Venkata Sainath Gupta(PI) Dr.Gunnam Suryanarayana(Co-PI), Dr.K.Shri Ramtej(Co-PI)	ECE	Development of Compressive Sensing Techniques for SAR Image Reconstruction & ISRO/RES/3/1050/2024-25	ISRO under RESPOND Programme	Govt	5,74,773	14-10-2025	Ongoing
24	ECE	Dr. Pratap Turimerla(PI)	ECE	Development of Techniques for Scalloping and Banding Removal in Scan-SAR & DS-2B-13012(2)/2/2025-Sec.2	ISRO under RESPOND Programme	Govt	5,42,100	21-11-2025	Ongoing
25	ECE	Dr. Moirangthem Santosh kumar Singh(pi)	ECE	Implementation of Characteristic Mode Analysis in Designing Miniaturized Implantable Antenna for Biomedical Applications & ANRF/IRG/2024/000425/ENS	ANRF Under Inclusivity Research Grant scheme	Govt	37,33,000	05-07-2025	Ongoing
26	ECE	Dr.Naga Raghuram Chinnapurapu(PI)	ECE	Design and Characterization of SRAM- based Dosimeter & TAR/2023/000477	DST-SERB (TARE)	Govt	NIL	---	2024-2027 3 Years
27	ECE	Dr.Jasti Sateesh (PI)	ECE	Design and experimental validation of a novel AI-powered artificial pancreas & SUR/2022/003427	DST-SERB (SURE)	Govt	2,00,000	05-07-02025	2023-26 3 Years
28	ECE	Dr.Aniruddh Bahadur Yadav (PI)	ECE	Fabrication and characterization of Novel Nanoscale Field Effect	(BRNS),	Govt	---	Completed on	2022-2025 (3 Years)

				Transistors(FET) Array to detect VOCs for Breast cancer Screening & 58/14/20/2022-BRNS				September 2025	
29	ECE	Dr. N. Krishna Chaitanya (PI), Assoc. Professor, Dr. G.Kishore Kumar (Co-PI), Assoc. Professor, Dept.of ECE.	ECE	Development of MIL-STD-1553B IP core design & validation	Ananth Technologies, HYD		9,40,000	2026	
30	EIE	Dr. Paruchuri Srinivas	EIE	Development, Operation & Generation of Reports in the supply of water to villages from the water treatment plant through PLC, SCADA and wireless devices- Prototype	Microsys Automation	Industry	2,00,000	2 Nov 2024	2 Years
31	EIE	Mr. Vattikuti Naga Prudhvi Raj	EIE	Development of Handheld Portable Ultrasound System	Microsys Automation	Industry	2,00,000	2 Nov 2024	2 Years
32	IT	Dr. Y. Sandeep	IT	Health care System Development	United IT Technical PVT LTD., Hyd,	Industry	7,20,000	2026	
33	IT	Dr. S. Suhasini	IT	Agentic AI-IoT Integration for Agriculture and Health care	Providence Software Solutions, South Africa	Industry	5,00,000	2026	
34	IT	Dr M Suneetha Dr.V.Radhesyam Dr.V.S.Sahithi	IT	Developing Efficient Local Scale Impact Evaluation tools using Geospatial System to Assess National Development Mission Outcomes and SDG Goals	National Remote Sensing Centre (NRSC-ISRO)	Government	27,93,520/-	Sep 2022	03 Years
35	IT	Dr.J.Sateesh Dr.G.Kalyani	IT	Design and experimental validation of a novel AI-powered artificial pancreas	Science and Engineering Research Board (SERB) DST	Government	11,92,100/-	Jan 2024	03 Years

36	ME	Dr A V Ratna Prasad Dr B Supraja Reddy Dr V Balakrishna Murthy	ME	Design and Analysis of indigenous Composite Structures	Ramesh's Aerospace Products & services Pvt. Ltd Vijayawada	Non-Govt	7,08,000	4/9/2025	18 Months
37	ME	Dr G Dilli Babu (Co-PI)	ME	Services for Chasis Fabrication for Hybrid EV four wheeler and Energy management simulation studies	Cyber Shakthi Private Limited Chennai	Non-Govt	2,32,000	30/7/202 5	3 months
38	ME	Dr.A.V Ratna Prasad (PI)	ME	Accelerated aging studies of carbon fibre T800 Towpreg Composite	AZISTA Composites PVT. Ltd. Hyderabad	Non-Govt	11,44,600	6/3/2026	12 months
39	English	Dr.V.Vishnu Vandan a Devi , Dr. G.Pavani Dr.M.Ravichand	English	Integrating the Bhagavad Gita based Wisdom in Education: Pedagogy, Practice & Possibilities	ICSSR	Govt	5,00,000	June,202 5	1 year
40	Chemistry	Dr. Krishna Murthy Potla	Chemistry	Accelerating Cocystal Discovery and Prediction Using Machine Learning	Synthenta Pvt Ltd	Non- Govt/Industr y	R1,29,800	30-04- 2025	18 months
41	Chemistry	Dr. Krishna Murthy Potla	Chemistry		All India Council for Technical Education (AICTE) Govt. of India. Clean Science and Technology Limited, Pune	Govt/Industr y	12,00,000	2025	12 months