



**SIDDHARTHA**  
ACADEMY OF HIGHER EDUCATION  
**DEEMED TO BE UNIVERSITY**

(Under Section 3 of UGC Act, 1956)  
Kanuru, Vijayawada - 520 007, AP. [www.vrsiddhartha.ac.in](http://www.vrsiddhartha.ac.in)

91 866 2582333  
866 2582334  
866 2584930

**Funded Research Projects for the Academic Year: 2024-25**

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. N. R. Krishnamurthy	CE	soil investigation for the construction of CMD Banglow, quaters, Vijayawada	AP Transco, Vijayawada	Government	0.61 lakhs	July 2024	3 months
2.	CE	Dr. Chava Srinivas, G Yashwanth	CE	Structural design of building	C R Rao Advanced institute of Matechematics, Hyderabad	Non-Government	1.50 lakhs	July 2024	6 months
3.	CE	Dr. N. R. Krishnamurthy	CE	Soil investigation for rest house building in the premises of TTDKM, Vijayawada	TTD, Vijayawada	Government	0.41 lakhs	July 2024	3 months
4.	CE	Dr. N. R. Krishnamurthy	CE	Soil investigation and load test - construction of elevated queue complex to the temple	Sri Durga Malleshwara Swamy Varla Devasthanam	Government	0.93 lakhs	July 2024	3 months

5.	CE	Dr. N. R. Krishnamurthy	CE	Construction of new boys hostel G+10 to vignan university, Vadlamudi	Prudhvi Consultants , Guntur	Non-Government	0.70 lakhs	August 2024	3 months
6.	CE	Dr. B. Pandurangara o and G. Nipun	CE	Structural stability analysis and NDT testing	Sir CR Reddy College, Eluru	Non-Government	0.75	November 2024	3 months
7.	CE	Dr. B. Pandurangara o and G. Nipun	CE	Mix design for upcoming project	Juststrive Infrastructu re Pvt. Ltd.	Non-Government	0.61 lakhs	November 2024	3 months
8.	CE	Dr. B. Pandurangara o and G. Nipun	CE	Mix design	Newgen tech concrete	Non-Government	0.60 lakhs	November 2024	2 months
9.	CE	Dr. B. Pandurangara o and G. Nipun	CE	Construction of boilers TG building etc. to KCP Ltd.	Sathiapal Engineers Pvt Ltd	Non-Government	0. lakhs 31	December 2024	2 months
10.	CE	Dr. N. R. Krishnamurthy and Dr.Ch. rama Vara Prasad	CE	Design of Ground improvement for construction of reinforcement earthen wall proposed for construction of road over bridge at gudivada, AP, india	Vallabhane ni constructio ns private limited	Non-Government	0.41 lakhs	January 2025	3 months
11.	CE	Dr. V. Mallikarjuna	CE	Subsoil investigation at Postal Department site for construction of PO Building at Jubilee Hills, Hyderabad, Telangana State	Postal Department , Hyderabad	Government	0.59 lakhs	January 2025	2 months
12.	CE	Dr. N. R. Krishnamurthy and Dr.Ch. rama Vara Prasad	CE	Design of Ground improvement for construction of reinforced earthen wall proposed for construction of 4 lane ROB at Km. 74/8-9 between Kaikaluru Pallevada Station on Gudivada	TrenZet Infra	Non-Government	1.18 lakhs	March 2025	4 months
13.	CE	Dr. G. V. Rama Subba	CE	Geotechnical Investigation for construction of Pune Ring Road,	Avani	Non-Government	1.41 lakhs	March 2025	4 months

		Rao		Package - 4 Pune in the state of Maharashtra		t			
14.	CE	Dr. Hanuma Kasagani and Dr. P. S. R. Ravi Teja	CE	Development of sustainable 3D mix Cementitious Material	Shree Cement Ltd.	Non-Government	5.0 lakhs	March 2025	6 months
15.	CE	Dr. Dr. G. V. Rama Subba Rao	CE	Site Characterisation and ground amelioration techniques for construction of various infrastructural facilities at Parnasala, Tarakaturu, A.P	Sri &Suri Investments	Non-Government	0.75 lakhs	February 2025	2 months
16.	CE	Dr. N. R. Krishnamurthy and Dr.Ch. Rama Vara Prasad	CE	Design of Ground Improvement for Construction of 2 - Lane ROB approaches at Km. 97/6-7 between Cherukuvada and Undi Station on Gudivada – Bhimavaram Station at NH Km: - 170+400 on NH-214 (2 Lane) in West Godavari District, A.P	TrenZet Infra	Non-Government	1.80 lakhs	March 2025	6 months
17.	CE	Dr. V. Mallikarjuna	CE	Subsoil investigation at Postal Department site for construction of HPO Building at Ramachandrapuram, Rajahmundry Division of Andhra Pradesh	Postal Department , Hyderabad	Government	0.59 lakhs	March 2025	1 month
18.	CSE	Dr. K. Keerthi	CSE	Generative AI and Responsible Innovation: Bridging Technology and Ethics	ANRF, DST	Government	2.00	May 2025	1 Week Sanctioned
19.	CSE	Dr. K. L. Revathi	CSE	Generative AI: From Models to Real-World Impact	ANRF, DST	Government	2.00	May 2025	1 Week Sanctioned
20.	CSE	Dr. Ch. Rupa (PI)	CSE	Design and Development of a Robust Authentication Protocol for Blockchain based Underwater Vehicles Secure Communication System	Advanced Manufacturing Institute, King Saud University, Saudi	international - Public and private university collaboration	SAR 30,000	April 2025	1 Yr. Sanctioned

					Arabia				
21.	CSE	Dr. Ch. Rupa (PI)	CSE	Blockchain based Medical Digital Assets Protection Against Frauds	AICTE AURA	Government	2.00	March 2025	2 Yr. Sanctioned
22.	CSE	Mrs. Ch. Raga Madhuri (Mentor), Student	CSE	Smart Irrigation Optimization with IoT and Weather Forecasts for Sustainable Crop Management	ANGRAU, Tirupathi	Government	5.00	March 2025	2 Yr. Sanctioned
23.	CSE	Dr G. Anuradha (PI)	CSE	AI Enabled Framework for Monitoring Salinity Effected Soils in Coastal Andhra Pradesh Using Remote Sensing Data and Deep Learning Algorithms	ANRF-DST	Government	22.40	March 2025	3 Yrs. Sanctioned
24.	CSE	Dr. Ravi Sankar P. (PI)	CSE	Frontiers of Quantum Computing	ANRF, DST	Government	2.00	December 2024	1 Week Completed
25.	CSE	Dr. Ravi Sankar P. (PI) Dr. Keerthi K. (Co-PI)	CSE	Block chain enabled IoT Networks with AI Driven Automation Transforming Smart Eco-System for A Decentralized Future	AICTE ATAL FDP	Government	1.00	November 2024	1 Week Completed
26.	CSE	Dr. Ashutosh Satapathy (PI)	CSE	Development of an IoT-enabled River Cleaning Robot for Removal of Floating Debris	AICTE AURA	Government	2.00	July 2024	2 Yrs. Sanctioned
27.	CSE	Dr Ramesh Kumar P. (Mentor), Students	CSE	Geofence Livestock - Empowering Efficient Livestock Management Through Geofencing Technology	MSME Govt. of India	Government	15.00	March 2024	1 Yr. Ongoing
28.	CSE	Dr. S. Vasavi, Dr. Rameshkumar P., Dr. D. Rajeswara	CSE	Development of Edge Computing Framework for Multi-Object Detection Based on Deep Learning Techniques and Analysis for	ADRIN, ISRO	Government	29.45	February 2024	2 Yrs. Ongoing

		Rao, Dr. KL Sailaja, Ch. Mukesh		Satellite in Orbit Processing					
29.	CSE	Dr. S. Vasavi, Dr. M. Sobhana, Mrs. J. Malathi, Dr. K. Keerthi, Dr. T. Bindu Madhavi	CSE	Development Of Infrared Camera-Based Crowd Video Surveillance Using Hybrid Deep Learning Model	ADRIN, ISRO	Government	32.93	February 2024	3 Yrs. Ongoing
30.	CSE	Dr S. Vasavi (Mentor), Students	CSE	Image Processing and Classification Techniques for Detection and Tracking of Whales Using Space-Borne Remote Sensing Data	IEEE GRSS	Non-Government	\$6,000	December 2023	1.5 Yr. Ongoing
31.	CSE	Dr S. Vasavi (PI), Dr M. Sobhana (Co-PI)	CSE	Impact Of Climate Change on Offshore Wind and Wave Power Potential in the India EEZ Region	IIT Kharagpur AI4ICPS I Hub Foundation	Government	23.22	October 2023	2 Yrs. Ongoing
32.	CSE	Dr S.Vasavi (PI) Mr N. Sunny (Co-PI)	CSE	Explainable Artificial Intelligence in Remotely Sensed Data: A Review of Applications and Current Research	IEEE GRSS	Non-Government	4.05	September 2023	1 Yr. Ongoing
33.	CSE	Dr Ramesh Kumar (Mentor), Students	CSE	Aerator Automation and Monitoring System	IIT Hyderabad	Government	1.00	September 2023	1 Yr. Completed
34.	CSE	Dr Ramesh Kumar (Mentor), Student	CSE	Quality Detection and Grading of Shrimps	IIT Hyderabad	Government	1.00	September 2023	1 Yr. Completed
35.	CSE	Dr Ramesh Kumar (Mentor), Students	CSE	Mana Ration - Supply Chain Management Solutions	MSME Govt. of India	Government	4.50	June 2023	1 Yr. Ongoing
36.	CSE	Dr S. Vasavi (PI),	CSE	Updating Of Very Large-Scale Urban GIS Maps with Latest Very High-Resolution Satellite Data Using Deep Learning	NRSC ISRO	Government	17.85	June 2022	2 Yrs. Ongoing

		Dr M. Sobhana (Co-PI)		Techniques		t			
37.	CSE	Dr K. Srinivas (PI) Vani (Co-PI)	CSE	Qualitative And Quantitative Classification of Mixed Bamboo Forests Using Geospatial Technology	NESAC ISRO	Government	25.30	Sept 2021	3 Yrs. Ongoing
38.	ECE	Dr.Venkata Sainath Gupta (PI) Dr. S. Vasavi (Co- PI), Dr. Gunnam Suryanarayana (Co- PI), Dr. K. Shri Ramtej (Co-PI), Mr. Partha Sarathi Nandy (Co-PI), Mr. Ameya Kesarkar (Co-PI), Mr. Raghav Mehra (Co-PI)	ECE	Development of Compressive Sensing Techniques for SAR Image Reconstruction	ISRO- RESPOND	Government	18.17	Dec 2024	2 Years (2024-2026)
39.	ECE	Dr. Pratap Turimerla (PI) Dr. S. Vasavi (Co- PI), Mr. Bhaskar Dubey (Co-PI)	ECE	Development of Techniques for Scalloping and Banding Removal in Scan-SAR	ISRO- RESPOND	Government	19.45	Feb 2025	2 Years (2025- 2027)
40.	ECE	Dr. Moirangthem Santosh kumar Singh (PI)	ECE	Implementation of Characteristic Mode Analysis in Designing Miniaturized Implantable Antenna for Biomedical Applications	ANRF- Inclusivity Research Grant (IRG)	Government	56.81	Mar 2025	3 Years (2025- 2028)
41.	EIE	Dr. P Srinivas	EIE	Development, operation Generation of Reports in the Supply of Water to villages from the water treatment Plant through	Microsys Automation	NON- Govt	200,000	Nov 2024	2 years

				the PLCSCADA & wireless devices – Prototype					
42.	EIE	Mr. V N Prudhvi Raj	EIE	Development of Handheld Portable Ultrasound Systems	Microsys Automation	NON- Govt	2,00,000	Nov 2024	2 years
43.	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
44.	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
45.	ME	Dr. B Supraja Reddy Dr V Bala Krishna Murthy	ME	Development of a composite launch Tubes and Revalidation of a Composite Canister	Ramesh's Aerospace Products & services Pvt. Ltd, Vijayawada	Non-Government	3,00,000	09/2024	6 months
46.	Chemistry	Dr. Krishna Murthy P	Chemistry	Design and synthesis of cocrystals / Salts of anticancer drugs to improve physiochemical and Pharmacokinetic Properties: Crystal Engineering approach	ANRF	Government	1.75	09/2024	03 Years
47.	English	Dr.V.Vishnu Vandana Devi	English	Beyond Religion: Incorporating the Bhagavad Gita in Schools as a Life-Lab Manual	ICSSR	Government	5,00,000	March,2025	1 year

