



SIDDHARTHA
ACADEMY OF HIGHER EDUCATION
DEEMED TO BE UNIVERSITY

(Under Section 3 of UGC Act, 1956)
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Funded Research Projects for the Academic Year: 2023-24

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	Tracking the fluxes: Remote sensing of river discharge and suspended material deposits in coastal regions	SERB-TARE	Government	18 lakhs	January 2024	Ongoing
2.	CE	Dr. N. R. Krishnamurthy	CE	Foundation solutions and design of Re construction of Sri Venkateswara Swamy Temple at Yanam in Puducherry, TTD Vijayawada	Sri Venkateswara Swamy Temple at Yanam in Puducherry, TTD Vijayawada	Government	1.69 lakhs	February 2024	3 months
3.	CE	Dr. B. Pandurangarao and V. Ramesh	CE	Proof checking of construction of prasadan laddu potu building (G+6F) in Sri Durga malleshwara swamy varla devasthanam, Indra keeladri, Vijayawada	CIST Infrastructure, Vijayawada	Non-Government	2.36 lakhs	February 2024	3 months

4.	CE	Dr. B. Pandurangarao and G. Nipun	CE	Concrete Mix design	Sri Lakshmi Ganapathi Infratech Pvt. Ltd, Vijayawada	Non-Government	0.52 lakhs	February 2024	2 months
5.	CE	Dr. B. Pandurangarao and V. Ramesh	CE	Proof checking of construction of puja madapam in Sri Durga mallechwara swamy varla devasthanam, Indra keeladri, Vijayawada	CIST Infrastructure, Vijayawada	Non-Government	0.75 lakhs	February 2024	2 months
6.	CE	Dr. B. Pandurangarao and S. Satish	CE	Mix proposition for wet mix macadam, corporate office building, Gunadala, Vijayawada	Sukshetra infra projects pvt Ltd.	Non-Government	0.70 lakhs	February 2024	2 months
7.	CE	Dr. V. Mallikarjuna	CE	Subsoil investigation at Postal Department site for construction of PO Building at Jagannaikpur, Kakinada, under Kakinada Division of Andhra Pradesh –	Postal Department, Vijayawada	Government	0.59 lakhs	March 2024	3 months
8.	CE	Dr. B. Pandurangarao and G. Nipun	CE	Structural stability of girls and boys hostel building	Sir CR Reddy College, Eluru	Non-Government	0.58 lakhs	March 2024	2 months
9.	CE	Dr. V. Mallikarjuna	CE	Subsoil investigation at CPWD site for construction of Extension office Building at Tanguturu, Prakasam District of Andhra Pradesh	Postal Department, Vijayawada	Government	0.26 lakhs	July 2023	1 month
10.	CE	Dr. V. Mallikarjuna	CE	Subsoil investigation at CPWD site for construction of Godown at Podili, Prakasam District of Andhra Pradesh	Central Public Works Department, Ongole	Government	0.35 lakhs	July 2023	1 month

11.	CE	Dr. V. Mallikarjuna	CE	Subsoil investigation at CPWD site for construction of Annex Building at Kandukuru, Prakasam District of Andhra Pradesh	Postal Department, Vijayawada	Government	0.26 lakhs	July 2023	1 month
12.	CE	Dr. V. Mallikarjuna	CE	Subsoil investigation at Postal Department site for construction of HPO Building at Sattenapalli under Narasaraopet Division of Andhra Pradesh.	Postal Department, Vijayawada	Government	0.59 lakhs	September 2023	4 months
13.	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.
14.	CSE	Dr. S. Vasavi, Dr. Rameshkumar P., Dr. D. Rajeswara Rao, 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	ADRIN, ISRO	Government	29.45	February 2024	2 Yrs.
15.	CSE	Dr. S. Vasavi, Dr. M. Sobhana, Mrs. J. Malathi, Mrs. 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.
16.	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.
17.	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	October2023	2 Yrs.

18.	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.
19.	CSE	Dr Ramesh Kumar (Mentor), Students	CSE	Aerator Automation and Monitoring System	IIT Hyderabad	Government	1.00	September 2023	1 Yr.
20.	CSE	Dr Ramesh Kumar (Mentor), Student	CSE	Quality Detection and Grading of Shrimps	IIT Hyderabad	Government	1.00	September 2023	1 Yr.
21.	CSE	Dr Ramesh Kumar (Mentor), Students	CSE	Mana Ration - Supply Chain Management Solutions	MSME Govt. of India	Government	4.50	June 2023	1 Yr.
22.	CSE	Dr S. Vasavi (PI), Dr M. Sobhana (Co-PI)	CSE	Updating Of Very Large-Scale Urban GIS Maps with Latest Very High-Resolution Satellite Data Using Deep Learning Techniques	NRSC ISRO	Government	17.85	June 2022	2 Yrs.
23.	CSE	Dr K. Srinivas (PI) Dr. K. Suvarna Vani (Co-PI)	CSE	Qualitative And Quantitative Classification of Mixed Bamboo Forests Using Geospatial Technology	NESAC ISRO	Government	25.30	Sept 2021	3 Yrs.
24.	ECE	Dr.Jasti Sateesh (PI) Dr Kalyani	ECE IT	Design and experimental validation of a novel AI-powered artificial pancreas	SERB- State University Research Excellence (SURE)	Government	11.92	Jan 2023	3 Years
25.	ECE	Dr.Naga Raghuram (PI)	ECE	Design and Characterization of SRAM- based Dosimeter	SERB- Teachers Associate ship for Research Excellence (TARE)	Government	18.3	May 2023	3 Years
26.	IT	Dr S Suhasini Dr M Suneetha Dr M Ramesh Y Kalyan	IT	Development of Healthcare Management System	Avantel Ltd	Non-Government	11,75,000 /-	Mar 2023	15 Months

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27	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
28	ME	Dr. V. Balakrishna Murthy Dr. B Raghava Rao	ME	Design and FE analysis of a composite pressure vessel	Advanced systems laboratory Hyderabad	Government	5	12/2023	5 months
29	ME	Dr A.V Ratna Prasad Dr. V. Balakrishna Murthy Dr. B Raghava Rao	ME	Design and development of Composite Tube	High energy materials research laboratory (HEMRL), Pune	Government	9.97	01/2024	9 months
30	ME	Dr K.Nagamalleswara Rao	ME	Study Project on effect of temperature on thermo-physical properties of composite material using molecular dynamic simulation and experimental validation	DRDL Hyderabad	Government	9.77	03/2024	11 months
31	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	0.25	09/2024	03 Years