

Research and Development Cell (RDC)



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

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Sanctioned Seed Grant for the A.Y 2024-25

Sl.No	Phase	Approved Seed Grant
1	I	8,28,000
2	II	6,79,740
3	III	17,54,000
Total		32,61,740

List:

Phase I

Sl.No	Faculty	Proposed Project	Total Grant	First installement/ Total Grant(Rs.)
1	Dr. P. Ravi Sankar Sr. Asst.Professor, CSE - (PI)	AI – Enabled Smart Handheld Physiotherapy Ball	1,50,000	1,50,000
2	Dr. K. Lakshmi Revathi Assistant Professor CSE - (PI)	Language Transition on temple Inscriptions using Tesseract OCR and T5Model	75,000	35,000
3	Dr. Bindu Madhavi Tummala Assistant Professor, CSE -(PI)	AGTSNet: A Novel Network for GI Tract Segmentation in MRI Images	40,000	20,000
4	Dr. M. Gopinath Assistant Professor AI&DS -(PI)	Secure and seamless Access to Smart Home Systems through FIDO based	1,63,000	1,63,000

		password less Authentication		
5	Dr. K.V.Prasad Assistant Professor, ECE - (PI) Mrs. V Saritha Assistant professor, ECE - (Co-PI)	Investigation of Wideband Antennas for drone Applications	1,65,000	1,65,000
6	Dr.Syed Fajal Rahiman Khadri, Professor,CE -(PI) Dr Vinay Kumar Gaddam Associate Professor,CE - (Co-PI)	Evaluation of Land Use and Land Cover changes in Vijayawada region using RSGIS techniques before and after the bifurcation of AP	2,00,000	2,00,000
7	Dr.M.Balaji Associate Professor, ME - (PI)	Improving Performance In Wire Cut EDM of Ti 6Al-4v by utilizing an auxiliary electrode	35,000	35,000

Phase II

Sl.No.	Faculty	Proposed Project	Total Grant	First installement/ Total Grant(Rs.)
1	Dr. Venkata Sainath Gupta T(PI) Asst. Prof.	Artificial Intelligence based Automated Quality Assessment of MRI image Registrations in Big Data Brain Studies	1,08,000	54,000
2	Ch. Raghavendra (PI) Asst. Prof. Dr. A Jhansi Rani(Co-PI) Professor	Design of Microwave Sensor Using Unconventional Substrate for Biomedical Applications	1,18,000	1,18,000
3	Dr. Y Sandeep(PI) Asst.Prof. Dr. S. Jaya Prakash(Co.PI) Asst. prof.	Real time Traffic Management using an IoT Enabled Intelligent Transportation system Integrated with Machine Learning Algorithms	2,00,000	1,65,000

4	Dr. V Satya Sahithi(PI) Asst. Prof. Dr. Gargi Madala(Co.PI) Asst.Prof.	A Geospatial approach for Urban Flood mapping and identification of flood susceptibility zones in Vijayawada, A.P.	1,53,740	93,978
5	Prof. S Srinivasa Prasad (PI) Professor, ME	Development of sustainable nano fluids for solar applications	1,00,000	1,00,000

Phase III

Sl.No	Dept.	Faculty Name	Proposed Project	Total Grant (RS.)	First Instalment(RS.)
1	CE	Dr. Krishna Prasanna Asst.Prof. Dr. T Sujatha Asst. Prof. S. Satish Asst. Prof.	Sustainable Aggregate Production Using Alkali-Activated Granite waste, Fly Ash, and Lime	1,50,000/-	1,00,000/-
2	CE	Dr. Lakshmi Keshav Assoc. Prof.	Effects of Cold –Bonded artificial aggregate properties on the behaviour of concrete	1,50,000/-	1,00,000/-
3	CE	Dr. Suma Yarlagadda Asst. Prof. Nipun Gorantla Asst. Prof.	Development of High – performance Self –Compacting Concrete (HP-SCC) with Nano – Additives for Monolithic High – Rise Construction	1,50,000/-	1,00,000/-
4	CSE	Dr.. P Sukanya Asst. Prof.	Deep Learning based Hybrid Multinational Sensor – Based Camouflage Robot with PC Controlled Wireless System for Military Operations	1,13,000/-	93,000/-
5	CSE	Dr. Sravani Nalluri Asst. Prof.	Early Detection of Fetal Abnormalities Using Multimodal Machine Learning: Fusion of Ultrasound, Reports and Clinical Indicators	100000/-	30,000/-
6	ECE	Dr. B Lakshmi Sirisha Assoc. Prof.(ECE) Dr. B Kannamba Asst. Prof. (Chemistry)	Spectroscopic liquid food adulteration detection and quality assessment using machine learning algorithms	1,90,000/-	1,00,000/-

7	IT	Dr. M Gargi Asst. Prof. Dr. V. Satya Sahithi Asst. Prof.	Reducing Diagnostic Delays: Optimized AI Techniques for early Diabetic Retinopathy Detection	1,00,000/-	65,000/-
8	IT	Dr. M Ashokkumar Sr. Asst. Prof. Dr. M Ramesh Asst. prof.	An Integrated Academic Career Connection Platform	1,10,000/-	80,000/-
9	IT	Dr. A Srisaila Asst. Prof. K Madhavi Asst. prof	Improving Sepsis Diagnosis in ICU s with AI – driven Models	1,00,000/-	50000/-
10	ME	Dr. M Sumalatha(PI) Asst.Prof. A N Phani Deepthi (Co.PI) Asst. prof.	Thermal Intelligence: AI – Powered Strategies and solutions for Revolutionizing Workshop Environments	1,75,000/-	1,35,000/-
11	ME	Dr. G Jamuna rani Asst. Prof. Dr. S. Srinivas Prasad Professor	Development of Small-scale model for Net zero building using sustainable energy sources	1,25,000/-	95,000/-
12	ME	Dr. G. Dilli Babu Assoc. Prof. Dr. K Naga Malleswara Rao Assoc. prof.	Mechanical, Thermal and Machining Behaviour of DED Metal 3D- Printed Ti-6Al-4V: Optimization for High – performance Applications	1,50,000/-	1,00,000/-
13	ME	Dr. K Ramanaiah Sr. Asst. Prof. Dr. A V Ratna Prasad Pro. Vice Chancellor.	Development of Sustainable Eco-Friendly Composite Materials from Agro and E Waste for Thermal Management in Electronic Industry Applications	1,41,000/-	1,11,000/-