

Research & Development Cell (RDC)

Velagapudi Ramakrishna
SIDDHARTHA ENGINEERING COLLEGE
(AUTONOMOUS) VIJAYAWADA

9th Oct.2023

To **VRSEC/2023/ 852.**
The Secretary
Siddhartha Academy of General Technical Education
Vijayawada.

Dear Sir

Sub: Seed Grant 2023-24 (Phase-I) proposals – Reg.

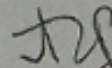
Following are the details of Seed Grant for the AY 2023-24 (Phase I), to be sanctioned

S.No	Dept	Faculty	Proposed Project	Total Grant (Rs.)	First Instalment / Total Grant (Rs.)
1	CSE	N. Krishna Santosh, Asst. Prof.(CSE) Dr. Y. Srinivas Reddy, M. S. (Ophthal)	A Novel Primary Glaucoma Screening Using A Mathematical Theory-Based Deep Learning Model	70,000/-	40,000/-
2	CE	Ch. Rama Vara Prasad, Asst. Prof. (CE)	Preliminary GIS-Based Modelling of Rainfall Induced Landslide susceptibility in Hilly Regions of Andhra Pradesh, India	1,10,000/-	1,10,000/-
3	IT	Dr.Y. Sangeetha, Asso. Prof. (IT)	Revolutionizing Healthcare with IoT: Integrated monitoring of Lipid profile, Blood pressure, Glucose levels, ECG and BMI	60,000/-	40,000/-
4	IT	Dr. C. S. Pavan Kumar, Asst. Prof. (IT)	IoT – Driven Bovine Vitalis: Analyzing Cattle Health Through Advanced Analytics	90,000/-	90,000/-
5	IT	Dr. K. Sita Kumari, Assoc. Prof. (IT)	Seamless Fare Payment and Verification Automation in Buses through IoT Integration.	45,000/-	25,000/-
6	ECE	Dr. G. Kishore Kumar, Asst. Prof. (ECE)	Design and Development of an Energy-Efficient VLSI Architecture for Classifying Arrhythmia for Wearable ECG monitoring Devices	30,000/-	30,000/-
7	ECE	Md Ahsan Halimi, Asst. Prof. (ECE)	Design Development and Characterization of Efficient Rectennas for RF Energy Harvesting for low power smart devices	95,000/-	50,000/-
8	EEE	Dr. Gummadi Srinivasa Rao, Assoc. Prof. (EEE) & Dr. A. Ramadevi, Prof. (EEE)	Hybrid Convertible bed	1,50,000/-	1,50,000/-
9	EEE	Dr. A. Ramadevi, Prof. (EEE) & Dr. B. Venkateswara rao, Assoc. Prof. (EEE)	Multipurpose rock –bottom compact machinery for agriculture sector	1,40,000/-	1,40,000/-

The above applicants of Seed Grant have presented their proposals before R&D committee on 30th Aug.2023 & 9th Sept.2023. The committee satisfied to recommend the above candidates for sanctioning the Seed Grant. Further, it is requested to release the first instalment / total Grant to the respective applicant.



Dr M. V. S. Raju
Dean R & D
I QAC Coordinator



Dr A. V. Ratna Prasad
Principal