



**VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI  
INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
An Autonomous Institute, NAAC Accredited with 'A<sup>++</sup>' Grade  
NBA Accredited for CE, EEE, ME, ECE, CSE, EIE, IT B.Tech Courses  
Approved by AICTE, New Delhi, Affiliated to JNTUH  
Recognized as "College with Potential for Excellence" by UGC  
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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

S.No.	Title of the Project	Funding Agency	Investigators (1. Details of Principal Investigators, 2. Details of Co-Investigators)	Project Duration & Period	Sanctioned Amount (Lakhs)
1	Development of AI Based, efficient and storage independent PV water pump for Agricultural Applications *	AICTE (AQIS-2021-2022) RPS-general	Dr. K. Anuradha, Dr Shiv Prasad Edara, Mrs S. Poornima	3 Years  2022-2025	11.99 Lakhs
2	Development of hierarchical structures for solar desalination	DST	Dr. K. Ajay Kumar and Dr. P. Naresh	3 Years  2020-2023	40.7
3.	Development of Low Cost-Efficient Charging Station for Electric Vehicle (EV) Charging Applications	TIASN, SEED, DST	Dr.Pasula Naresh  Mr. D.S.G. Krishna	3 Years  2019-2022	8.77
4	Deep Learning based Smart Assistant for Blind people	TEQIP-III, JNTUH	Dr. Rashmi Kapoor, Dr. M. Sushama and Dr.M.Aruna Bharathi	2 Years  2019-2020	2.7

5	Data Acquisition Based control design of regular and special electrical machines under MODROBS	AICTE	Dr. K. Anuradha and Mr. G.C. Prabhakar	2 Years 2018-2020	12
6.	National Level Training program (Deep Learning/Machine Learning/Artificial Intelligence)	DST	Mr. B. Devulal and Dr.Rashmi Kapoor	14 Days	9
7	Development of Advanced Digital Signal Processing & Drives	FIST, DST	Dr. K. Anuradha and Mr. D.S.G. Krishna	5 Years 2015-2020	11.1(50)
8.	Grants under share & Mentor (Margdarshan)	AICTE	Dr. K. Anuradha, Dr.N.Krishna Kumari Dr.D.Ravi Kumar	3 Years 2019-22	28
9	International conference on innovations in Electronics, Power, Smart Grids & advanced computing Technologies (IEEPS-2017)	AICTE	Dr. K. Anuradha and Dr. J. Viswanatha Rao	2017	5 Lakhs
11	Design & Development of Maximum power tracking DC link & static converter for smart micro grid application	UGC	Mr.D.S.G.Krishna	2 Years, 2014-15	2.85
12	Development and implementation of DSP B algorithm for the protection of power TR	UGC	Mrs. S. Poornima	2 Years, 2014-15	2.5

13	Hardware implementation of FPGA based controller for multilevel inverter	UGC	Mr.G.Sasi Kumar	2 Years, 2014-15	2.375
14	FPGA Implementation of Field Oriented Control for Permanent Magnet Synchronous Motor	UGC	Dr. N.Krishna Kumari	2 Years, 2014-15	3.29 Lakhs
15	Development of Optimization Techniques for Protective Devices and Distributed Generators Allocation to Optimize Reliability and to Reduce Losses in Electrical Power Distribution System	UGC	Mr. D. Ravi Kumar	2 Years, 2014-15	4.959