VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI
INSTITUTE OF ENGINEERING AND TECHNOLOGY
An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade.
NBA Accreditation for B.Tech. CE, EEE, ME, ECE, CSE, EIE, IT, AME, M.Tech. STRE, PE, AMS, SWE
Programmes Approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF (2023)
Rank band:101-150 in Engineering Category, College with Potential for Excellence by UGC,
JNTUH-Recognized Research Centers: CE, EEE, ME, ECE, CSE
Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O.), Hyderabad – 500 090, TS, India.
Telephone No: 040-2304 2758/59/60, Fax: 040-23042761
E-mail: postbox@vnrvjiet.ac.in, Website: www.vnrvjiet.ac.in

ONGOING FUNDED RESEARCH PROJECTS

S. No.	Project Title	Funding Agency	Amount
1.	Development of Autonomous tool for detecting bolt loosening using machine vision and deep learning	SERB-SURE	25.69
2.	Development of Low-cost Plug-in Microcar and Investigation on Potential of Solar Power Assistance and Optimization of Battery Pack	SERB-SURE	27.38
3.	Investigating Self-Healing Capability and Performance of HMA Mixes Containing Steel Slag as Aggregates	SERB- Core Research Grant	24.00
4.	Development of ZrO2 Nanoparticles doped- Bi2O3-B2O3: Cr2O3 glass-ceramic phosphors	UGC-DAE Consortium for Scientific Research	7.75
5.	Development of AI Based Efficient and Storage Independent PV Water Pump for agricultural applications.	AICTE RPS	11.90
6.	Design and Development of Night Vision Imaging LIDAR and Laser 3-D Imaging System for Homeland Security and Other Surveillance applications in Defence	DRDO ER& IPR	71.28
7.	Development of Hierarchical structures for Solar Desalination	DST- WTI	40.73
8.	A Hybrid and flexible magneto electric trilayer structure for combined magnetic sensing and mechanical actuation applications	SERB-TARE	8.25
9.	Estimation and Tracking of Subsurface Groundwater Discharge (SGD) along coastal stretches of Andhra Pradesh and Tamil Nadu, based on understanding (and modelling) of the coastal aquifer hydrodynamic	ISRO- Respond	33.84
10.	Development of contact-free nanostructure for solar powered desalinator	MSME	13
11.	IOT and machine learning-based precise germination prediction to access the quality of grains for different crops	MSME	13
12.	Screening of Salt tolerance in Plants using Internet of Things and Machine Learning	MSME	12.75
13.	Development of Stealth Nano Composite Materials for Reduced RCS	DRDO	9.98
14.	Development of double core sandwich composite structures using 3D Printed flexible core for enhancement of impact energy absorption for automobile and naval applications	SERB-CRG	54.43
15.	Design and fabrication of an automated system to roll towel test for seed germination using the internet of things	MSME	15
16.	Underwater Mine and Obstacle Detection Utilizing IoT Technology	MSME	15
17.	Optimization of Multiferroic and Energy storage properties of eco-friendly bulk ceramics	UGC	7
18.	Structural Insights and Ferroelectric Behaviour of Rare earth (Sm/Yb) doped Bismuth Sodium Titanate Borate Glass-Ceramics: A Study on Enhancing Energy Storage Capabilities	UGC	7
TOTAL (In Rs. Lakhs)			**397.98**