



**VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI
INSTITUTE OF ENGINEERING AND TECHNOLOGY**

An Autonomous Institute, NAAC Accredited with A++ 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

EAMCET CODE: VJEC

PGEETCODE: VJEC1



Department of Electronics and Instrumentation Engineering

Patents

S.NO	Inventors	Title of the Patent work	Reference number	Date of Filed/ Published / Granted	Status of the Patent
1)	1. Dr. S. Pranavanand 2. Mr. Haroon Rasheed	An Apparatus For Making A flat edible food	201641028787	18/04/2024	Granted
2)	1. Ms. Sampurna Lakshmi Paritala 2. Dr. Manjula Sri Rayudu 3. Dr. Srinivasa Rao Talluri	Wi-Fi-Enabled Anti-Theft System with Biometric Authentication In Fuel filling Stations	202341032074 A	23/06/2023	Published
3)	1. Mr. S. Nagarjuna Chary 2. Dr. K. Vijay Chandra	IoT-Based RO Water Purifier with Auto TDS Control	202341032344 A	23/06/2023	Published
4)	1. Dr. S. Pranavanand 2. Dr. B. Rajasekhara Reddy	Modular Enclosure for Chemical Processing	342237-001	10/02/2023	Granted
5)	1. Dr.D.N.Rao 2. Dr.R.Manjula Sri 3. Ms.Samatha 4. Ms.Manju Sahithi 5. Dr.S.Pranavanand	Drill Cabin for Safe Drive	202341003709	03/02/2023	Published
6)	1. Dr. S. Pranavanand 2. Mr. A. Nikhil 3. Dr. C.D. Naidu 4. Dr. R. Manjula Sri	Automatic Airlock Prevention System and Method Thereof	201841022148	30/01/2023	Granted
7)	1. Dr.A.Ramesh 2. Dr.S.Pranavanand 3. Dr.B.Rajasekhara Reddy	A Non-Invasive Device for Modulus Measurement	353540-001	20/01/2023	Granted

		Of Pavement Layers			
8)	<ol style="list-style-type: none"> 1. Dr. S. Pranavanand 2. Mr. Haroon Rasheed Dr. A. Raghu Ram 3. Dr. C. D. Naidu 4. Dr. B. Rajasekara Reddy 	Cooking Appliance	376991-001	08/01/2023	Granted
9)	<ol style="list-style-type: none"> 1. Dr.S.Pranavanand 2. Dr.A.Ramesh 3. Dr.C.D.Naidu 4. Dr.B.Rajasekhara Reddy 5. Mr.Eshwar Chandra Pothineni 6. Ms. Manaswini Gogineni 	Automatic Water Dispenser	369341-001	18/08/2022	Published
10)	<ol style="list-style-type: none"> 1. Dr. K. Sudha Rani 2. Dr. R. Manjula Sri 3. Mr. K. Vijay Chandra 4. Mr. Naregalkar Akshay 	Motorized Ankle Foot Driven Customized Prosthetic Leg with Exoskeleton	202141016519A	08/04/2021	Published

Funding Projects

A.List of R&D Projects carried out by the Department and Research

S.No.	Title of the R&D Project or Research Grant	Sanctioning Agency, and Date of Sanction	Names of the Principal and Co-Investigators	Sanctioned Amount Rs. In lakhs	Status of the Project (Completed/ On-going)
R& D Projects Sanctioned					
1	Identification of Actuator Dynamics and development of Electronic Circuits for Smart Materials actuated insect scale legged Robots	DRDO (CARS) 22-11-2022 to 29-02-2024	Dr. B.Raja Sekhara reddy Dr. S.Pranavanand	9.735	Completed
2	Real time implementation advanced control algorithm(s) on Laboratory scale plant	TEQIP-III 2019	Dr.B. Rajasekhara Reddy.	2.85	Completed
3	RotiBOT	MSME, Govt. of India, 02/12/2015	Mr. S.Pranavanand	7.35	Completed
4	Weapon Locking System-	ARDE, July 2014	Mr. S.Pranavanand	9.9	Completed
5	Sensor Measurement Unit	X_Design Ventures Pvt.Ltd. & VNRVJIET Hyderabad, March 2014.	Ms R.Manjula Sri	6.29	Completed
6	Implementation of Biomedical Image Processing on Embedded Hardware	UGC, Govt. of India, March 2014	Ms. R.Manjula Sri	3.00	Completed
7	Design and Implementation of Algorithm for Real- Time Patient Monitoring in Ambulance While Transit	UGC, Govt. of India, March 2014	Mr. Naregalkar Akshay Rangnath	4.45	Completed

B.Other Grants

S.No.	Title of the R&D Project or Research Grant	Sanctioning Agency, and Date of Sanction	Names of the Principal and Co-Investigators	Sanctioned Amount Rs. In lakhs	Status of the Project (Completed/ On-going)
1	Design and Structural Evolution of Advanced Functional Materials Suitable for Engineering Applications	AICTE-STTP, September 2020	Dr.C.Kiran	1.92	Completed
2	Applications of Laser Instrumentation (Seminar Grant)	AICTE 2017	Dr. R. Manjula Sri	1.00	Completed