



# 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 (2022) 113<sup>th</sup> Rank in Engineering Category  
College with Potential for Excellence by UGC, JNTUH-Recognized Research Centres: CE,EEE,ME,ECE,CSE Vignana Jyothi  
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## DEPARTMENT OF CSE-INTERNET OF THINGS

### About the Department:

The Department of CSE- Internet of Things (IoT) stands at the forefront of innovation, shaping a future that transcends boundaries and revolutionizes the way we interact with technology. The Department of IoT started in the year 2020, offers one UG course namely B. Tech-CSE (IoT) with an intake of 60 students.

The department also offers Minor programme in IoT for the circuit and non-circuit branches.

### Infrastructural Resources

- The labs are equipped with high-end systems and required software supporting academic and research: Embedded GPU with NVIDIA Jetson Nano Developer Kits, Sensors, Actuators, Raspberry pi, Embedded Systems with ARM Micro Controller Development Boards, Scikit-Learn, Pytorch, Tensorflow, Weka, Knime, Colab, Apache Mahout, Accord.Net, Shogun, Keras. Io, Rapid Miner , Code Blocks, Python, Linux, Eclipse, Matlab, Powerbi, Mysql, R, Hadoop Framework, Tableau, Excel, Apache Spark .
- ICT enabled class rooms and laboratories.
- Wi-fi campus, with an internet bandwidth of 2Giga Bytes.

### Faculty Strength

- The faculty members within the department are highly skilled and well-versed in their respective fields, acting as valuable resources in seminars, faculty development programs, conferences and delivering invited talks.
- The faculty's commitment to continuous learning and professional development enables them to provide the students with valuable exposure to real-world scenarios and industry best practices, bridging the gap between academia and industry

### Teaching and Research Expertise

- 300+ indexed Publications
- 1200+ Citations
- 10 Patents
- Rs. 7.5 lakhs worth R&D Projects
- Rs. 2.5 lakhs worth Consultancy

### Academic Collaborations

- IIITH, HCU, NITW, IITH, JNTUH, TASK, Bennet University

## Key Research Areas

- Big Data Analytics
- Edge Computing
- Fog Computing
- Cyber Security
- Device Security
- Smart city

## Achievements

- Exposure as a participants at many national and regional level activities
- Students participated at numerous hackathons like Smart India Hackathon, Flipkart Hackthon, THub-IBC Hack Fest, Robothon, Kawach-2023 and MSME Hackathon
- Students awarded with cash prizes at several national level events.
- Students acting as a prototyping mentor in district and state level boot camp for Telangana Government

## Significant Features

### Teaching-Learning

Lab Protocol, Storyboard, WIT & WIL, Show & Tell, Open House, Course-Based Projects, Pogil, Learning By Doing, Shadow Engineering, Engineer-In-Mirror, Flipped Classroom And Blended Teaching, Think Pair Share

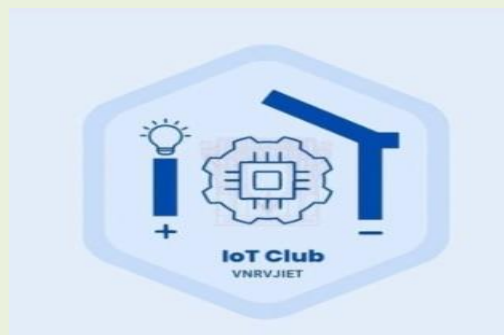
### Learning Resources

Spoken Tutorials, NPTEL Videos And Staff Created Videos, E-Books, Lecture Notes, Kindle, Technical Articles, Thesis, Department Library Books, And Presentations

### Student Support

Krithomedh For Student Community, Career Vision, Personality Development Lectures, Guest Lectures ,Remedial Classes, Seminars, Bridge Course, Workshops, Placement Training, Soft And Hard Skill Training, Career Guidance, Internships, Sports, Yoga, Cultural And Technical Fest

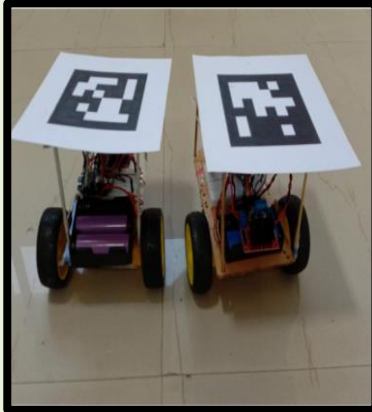
### Club:



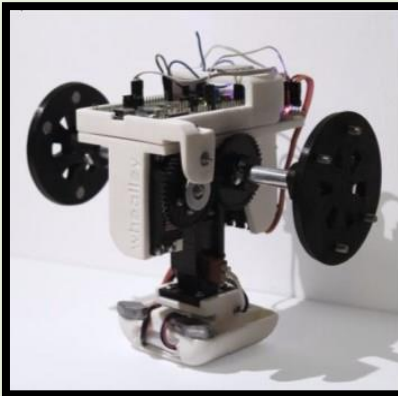
## Projects:

Students have done the domain specific projects in collaboration with industries like Smart Warehouse Management System SWMS and Smart surveillance using spherical robot.

### Smart Warehouse Management System SWMS



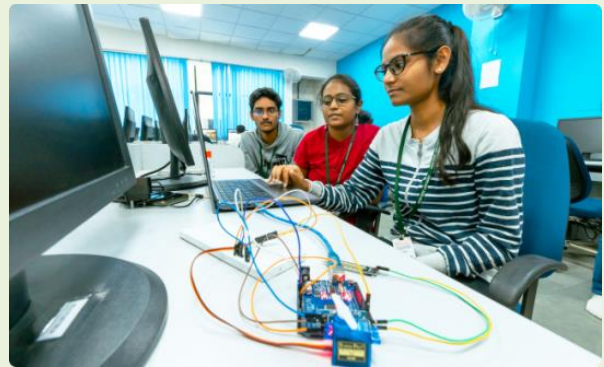
### Smart Surveillance using Spherical Robot.



20+ Internships



## Student Activities and Industry Visits



## Our Recruiters



## Contact

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