

# ELECTRONICATION



Industry Integrated Curriculum

## • Institute Vision

To promote societal empowerment and become an institution of excellence in the field of engineering education, research.

## • Institute Mission

- To develop the students into outstanding professionals through innovative Teaching-Learning process.
- To uphold research through long term Academia-Industry interaction.
- To inculcate ethical standards and moral values.

## ● Vision of the Department

To become recognized forerunner in Electronics and Communication Engineering by producing competent and responsible graduates.

## ● Mission of the Department

- To prepare technically competent graduates by establishing a conducive learner centric academic environment that uses innovative teaching learning processes
- To create research interests in the graduates by bringing in real time engineering challenges through industry collaborations
- To make the graduates socially responsible citizens who provide sustainable solutions maintaining ethical and professional standards

***"Education is the most powerful weapon which you can use to change the world."***

— Nelson Mandela

*Read More on our website*

# Events at a Glance...

## Hardware Hackthon

- The Departments of ECE and CSE jointly organized a Hardware Hackathon on 5th and 6th January 2024."

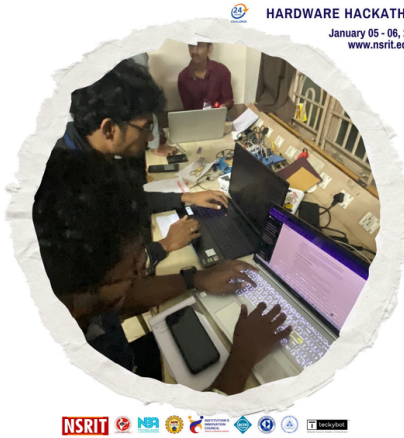
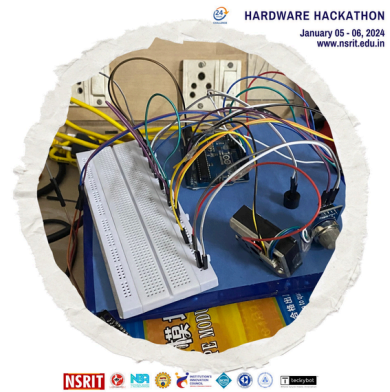
**HARDWARE HACKATHON**  
CREATING ECO-SYSTEM

Jan. 05 - 06, 2024

Themes: Sustainable Energy Solutions, Smart Healthcare Gadgets, Environmental Monitoring and Protection, Automation and Robotics in Everyday Life, Smart City Solutions with IoT and Drones, Agricultural Monitoring and Management with IoT and Drones

**PRIZE WORTH: ₹ 30000**

www.nsr.it.edu.in | IC 6.0 | Technical Club of CSE, AI & ML, DS and ECE | +91 9985172319, +91 8399731412



**FIRST PRIZE**

**24 HOURS HARDWARE HACKATHON**

**SECOND PRIZE**

**24 HOURS HARDWARE HACKATHON**

**THIRD PRIZE**

**24 HOURS HARDWARE HACKATHON**

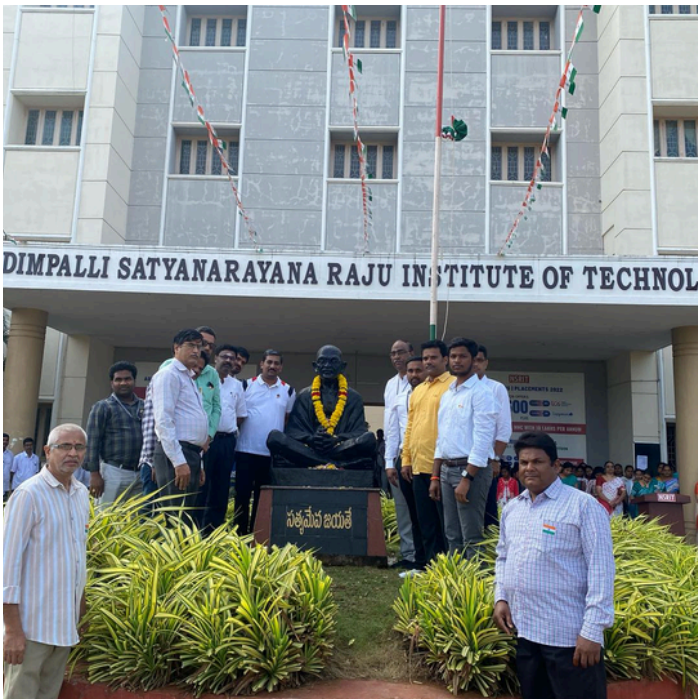
The Technical Clubs of CSE and ECE of Nadimpalli Satyanarayana Raju Institute of Technology (NSRIT) is pleased to host the 24 hours challenge #hardware #hackathon sponsored by SPICES scheme of #AICTE in association with Institute Innovation Council (IIC 6.0) during Jan. 05 - 06, 2024. It is strongly believed that these events certainly bring creativity and problem solving skills among learners. #NSRIT #HardwareHackathon #IIC #CSE. The event is wrapped with the smiling faces of winners from the institions like ANITS, AITAM and GITAM University, and the program of CSE would like to thank all the members participated in the event from different colleges during these two days. Kudos to all members!

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Republic Day

The Republic Day celebrations at NSRIT were held with great enthusiasm and patriotic fervor. As part of the ceremony, the national flag was proudly hoisted by A.Gowri Prasad , a student from the Department of Electronics and Communication Engineering (ECE), who is the academic topper across all branches. His achievement was recognized as a symbol of academic excellence and dedication, making the occasion even more inspiring for fellow students. The event featured patriotic songs, speeches, and a tribute to the nation’s rich heritage, fostering a sense of unity and pride among all attendees.




**CELEBRATIONS** COLLEGE CODE **NSRT** **NSRIT** AUTONOMOUS

**75** **REPUBLIC DAY CELEBRATIONS**

Nadimpalli Satyanarayana Raju Institute of Technology (NSRIT) is presently commemorating the 75th Republic Day on January 26, 2024. The esteemed occasion witnessed Mr. Gowri Prasad, a student hailing from the department of Electronics and Communication Engineering and enrolled in the VII Semester, who, distinguished by the highest percentage of marks/grade, undertook the prestigious responsibility of unfurling the national flag. This significant act unfolded in the august presence of the erudite Principal, Dr. S. Sambhu Prasad, and the esteemed Director, Dr. J. Raja Murugadoss. The assemblage included all Heads of Departments, faculty members, and the diligent staff. The ceremony marked a momentous occasion, serving to reaffirm and cultivate a profound sense of patriotism within each individual present. Jai Hind!

January 26, 2024 (Friday)

www.nsr.it.edu.in VISAKHAPATNAM, AP




**NSRIT** AUTONOMOUS

*Happy* **REPUBLIC DAY**

WISHING YOU A PROUD AND VIBRANT REPUBLIC DAY!

'भारत - लोकतंत्र की मातृका (जननी) / BHARAT - THE MOTHER OF DEMOCRACY.

One shall forever hold gratitude towards the valiant men and women who, in dedication to the nation, made the ultimate sacrifice with their lives

JAN. 26, 20024

www.nsr.it.edu.in



## Student Level Achievements/Recognitions

**ECE NEWS ALERT** COLLEGE CODE **NSRT** **NSRIT** AUTONOMOUS

**The Students of ECE & EEE bagged the second position in Project Design Contest**

At STEPONE 2024 of GMR Institute of Technology, Rajam, the accomplished students of the Electrical and Electronic Engineering (EEE) and Electronics and Communication Engineering (ECE) departments of Nadimpalli Satyanarayana Raju Institute of Technology (NSRIT) secured an impressive second position in the competitive Project Design Contest. Demonstrating their exceptional skills and innovative prowess, the ECE and EEE teams showcased their dedication and expertise, earning well-deserved recognition in the dynamic realm of electrical engineering during Feb. 16 - 17, 2024 and witnessed from SMEs from national reputed organisations.

**MULTI-DISCIPLINARY PBL**

www.nsr.it.edu.in | Visakhapatnam, Andhra Pradesh Feb. 17, 2024

**NSRIT** AUTONOMOUS

**CONGRATS !**

**FOR BAGGING THIRD PRIZE IN AGRITHON @ INDIAN INSTITUTE OF TECHNOLOGY, TIRUPATI**

**@IIT, TIRUPATI**

FEB. 11 - 12, 2023

WWW.NSRIT.EDU.IN

**ECE NEWS ALERT** COLLEGE CODE **NSRT** **NSRIT** AUTONOMOUS

**ELEVATING PROFESSIONAL TRAJECTORIES IN RESEARCH ORGANISATIONS**

The program of Electronics and Communication Engineering (ECE) and Industry Institute Linkage (IIE) at Nadimpalli Satyanarayana Raju Institute of Technology (NSRIT), Visakhapatnam, ardently emphasises the enhancement of on-campus skills by cultivating a research ecosystem that seamlessly incorporates internships into the academic curriculum. Moreover, it is dedicated to furnishing research opportunities via internships, thereby fostering an improved professional trajectory that culminates in an outcome-driven collaboration between research organisations and institute. Happy minds from Mohali

February 16, 2024

www.nsr.it.edu.in VISAKHAPATNAM, AP

**IIE & INTERNSHIP** COLLEGE CODE **NSRT** **NSRIT** AUTONOMOUS

**ELEVATING PROFESSIONAL TRAJECTORIES CAMPUS TO CORPORATE BEYOND BOUNDARIES**  
Happy minds from the work place of Ahemadabad

The Industry Institute Linkage (IIE) at Nadimpalli Satyanarayana Raju Institute of Technology (NSRIT), Visakhapatnam, ardently emphasises the enhancement of on-campus skills by cultivating an ecosystem that seamlessly incorporates internships into the academic curriculum. Moreover, it is dedicated to furnishing pre-placement offers via internships and On-Job Training, thereby fostering an improved professional trajectory that culminates in an outcome-driven collaboration between industry and institute. This collaboration is oriented towards the dual objectives of elevating the happiness index and expanding career opportunities.

February 15, 2024

www.nsr.it.edu.in VISAKHAPATNAM, AP

**ECE NEWS ALERT** COLLEGE CODE **NSRT** **ECE** **NSRIT** AUTONOMOUS

**BAGGED 3rd POSITION IN HARDWARE HACKATHON**

The Electronics and Communication Engineering (ECE) program at NSRIT takes pride in celebrating the success of its students who secured the third position in the Hardware Hackathon held at GVP, Visakhapatnam on February 24, 2024. This remarkable achievement reflects the dedication, innovation, and technical prowess of the students in the ECE department. Their accomplishment in the Hardware Hackathon is a testament to the quality education and hands-on learning experiences provided by NSRIT. The faculty and administration extend their heartfelt congratulations to all the winners, commending their hard work and commitment. This achievement not only showcases the excellence of the ECE program but also highlights NSRIT's commitment to fostering a culture of creativity and technological advancement among its students. Kudos to the talented individuals who brought honor to the institution through their outstanding performance.

www.nsr.it.edu.in | Visakhapatnam, Andhra Pradesh Feb. 24, 2024

- On 23 March 2023, U. Kiran, Sri Datta, Harsha Vardhan, and L. Ganesh, representing the NSRIT Technical Club (Department of CSE, NSRIT, Sontyam), clinched 1st position in the Idathon.
- On 15th and 26th February 2024, A. Sai Harsith, Aaron Abraham, and AVMR. Bharath Kumar clinched 1st place in the PowerPoint Presentation competition at NIRMANIKA 2K24, Andhra University."
- "On 15th and 26th February 2024, K. Sai Siva Jyothi secured 1st position in the Craft competition at NIRMANIKA 2K24, Andhra University."

## Faculty Level Achievements/Recognitions

- “From 29 January to 2 February 2024, Dr. Virender Singh, Dr. K. Rajasekhar attended the ‘Viksit Bharat 2047: Role of Engineering Faculty’ workshop organized by Rajiv Gandhi University of Knowledge Technologies (IIIT RK Valley Campus), Kadapa, Andhra Pradesh.”
- “Mrs. A. Vijayasri successfully completed the Quantum Signal Processing program at Lakireddy Bali Reddy College of Engineering, Mylavaram, Andhra Pradesh, from 14 to 20 December 2023.”
- “Mrs. A. Phani Madhuri successfully completed the 5-day ‘Cutting Edge Technologies in Wireless Communications, Signal and Image Processing’ program at GMR Institute of Technology, Rajam, Andhra Pradesh, from 25 to 29 February 2024.”
- Rajasekhar Konari published a paper on Automated face recognition system for smart attendance application using convolutional neural networks. International Journal of Intelligent Robotics and Applications. 1-17. 10.1007/s41315-023-00310-1 (2024).(Scopus Indexed)
- P. Anitha, published a patent on “Biosensor Device to detect lung cancer using machine learning”,6361791, may,2024



**NSRIT**  
AUTONOMOUS

**"CONGRATULATION"**  
On your successful completion of Ph.D.

**Dr. Rajasekhar**

**Thesis title:** Design and Analysis of various RF MEMS Switches for low frequency Applications.

**Faculty of Electronics and Communication Engineering (ECE)**

[www.nsrit.edu.in](http://www.nsrit.edu.in)

ELECTRONICS AND COMMUNICATION ENGINEERING

Placements

Feb. 13, 2024  
**NEW UPDATE**

**NSRIT**  
AUTONOMOUS

**2024**  
PASS OUT

**BIG KUDOS!**  
**37 SELECTS**

We extend our felicitations to the accomplished individuals hailing from the academic disciplines of all Engineering programs of B. Tech. for securing placement offers at "Rinex Technologies Private Limited". Our heartfelt appreciation goes out to the esteemed industry collaborators and other stakeholders whose invaluable contributions have paved the way for these students to attain a state of industry preparedness. We convey our sincerest wishes for unparalleled success in their future professional endeavors at Rinex Technologies, anticipating a prosperous and rewarding career trajectory for each one of them.

for successfully placed in

**RINEX** | ₹ **5.2 LAKHS** PER ANNUM | ₹ **15 THOUSAND** DURING INTERNSHIP

www.nsr.it.edu.in | Visakhapatnam, Andhra Pradesh | CDC | IIE

**NEW UPDATE**

**NSRIT**  
AUTONOMOUS

**2024**  
PASS OUT

**HEARTY CONGRATULATIONS !**

Jayash Ananthkumar (ECE), Kalyani (ECE), Meeni Teja (ECE), Roshitha (ECE) and Karli Sai Teja (Mechanical Engineering)

for successfully placed in Mozo Hunt

**MOZO HUNT** | ₹ **4-6 LAKHS** PER ANNUM

www.nsr.it.edu.in | Visakhapatnam, Andhra Pradesh | CDC | IIE

**NEW UPDATE**  
PLACEMENT NEWS

**NSRIT**  
AUTONOMOUS

**2024**  
PASS OUT

**BIG KUDOS !**

We extend our best wishes to Deepak (CSE - Artificial Intelligence & Machine Learning), Dhreeraj (CSE), Sandeep (ECE), Varma (CSE) and Shankar (CSE) who have bagged placement in Pennant for a successful journey. Wishing you all the very best!

**pennant** | ₹ **17 LAKHS** COMBO OFFER

www.nsr.it.edu.in | Career Development Centre (CDC) | Visakhapatnam, AP

**Kudos!**

**NSRIT**  
AUTONOMOUS

**2024**  
PASS OUT

NAGI REDDY LITISH, POTNURU SRIVALLI, SWARANGI TANUJA, AKKALA TEJASWI, AMANCHI SAI SURYA KIRAN, BAIREDDY ANUSHA REDDY, NODAGALA YARRAJEE SAIKARTHIK

**eTeam** | ₹ **3 LAKHS** PER ANNUM

www.nsr.it.edu.in | Visakhapatnam, Andhra Pradesh

**Kudos!**

**NSRIT**  
AUTONOMOUS

**2024**  
PASS OUT

TANKALA MANIDEEPAK, ARON ABRAHAM, BOKKA BHAVANA, BOYI JANAKI RAM, GADI POORNA JHANSI, GADI RAMARAJYALAKSHMI, GAVARA TULASI, GULIPILLI KARISHMA RANI, KOVVURU SAISRUTHI

**eTeam** | ₹ **3 LAKHS** PER ANNUM

www.nsr.it.edu.in | Visakhapatnam, Andhra Pradesh

**NSRIT**  
AUTONOMOUS

**2024**  
PASS OUT

**Kudos!**  
**26 SELECTS**

We extend our felicitations to the accomplished individuals hailing from the academic disciplines of Computer Science and Engineering (CSE), CSE specializing in Data Science, CSE specializing in Artificial Intelligence and Machine Learning, and Electronics and Communication Engineering (ECE) for securing pre-placement offers coupled with internships at eTeam. Our heartfelt appreciation goes out to the esteemed industry collaborators and other stakeholders whose invaluable contributions have paved the way for these students to attain a state of industry preparedness. We convey our sincerest wishes for unparalleled success in their future professional endeavors at eTeam, anticipating a prosperous and rewarding career trajectory for each one of them.

**eTeam** | ₹ **3 LAKHS** PER ANNUM

www.nsr.it.edu.in | Visakhapatnam, Andhra Pradesh

SPORTS

**SPORTS**

COLLEGE CODE  
**NSRIT**  
AUTONOMOUS

**KUDOS!**  
**FOOTPRINTS IN JNTU-GV KHO KHO UNIVERSITY TEAM**

The department of Physical Education of Nadiimpalli Satyanarayana Raju Institute of Technology (NSRIT) extends heartfelt congratulations to Mr. Sagar (ECE) and Ms. Jyothsna (CSE - Artificial Intelligence and Machine Learning) on their prestigious selection as esteemed members of the university, JNTU-GV, Kho Kho team on December 18, 2023. NSRIT enthusiastically commends their noteworthy accomplishment and wishes to convey its utmost appreciation for their remarkable achievement. The institute extends its sincere best wishes, anticipating that both individuals will excel and enhance their personal standing in the realm of sports, thereby contributing to their own legacy and garnering commendation for NSRIT on this distinguished occasion.

www.nsr.it.edu.in | VISAKHAPATNAM, AP

*Congrats!*

**PRE-PLACEMENT OFFER WITH INTERNSHIP**

**NSRIT**  
AUTONOMOUS

**2024**  
PASS OUT

**BIG KUDOS !**

We extend our best wishes to Mr. Sandeep Narendruni (IV ECE) who has bagged core placement in embedded design at Ragami Solutions for a successful journey. Wishing you all the very best !

**Regami solutions** | ₹ **3-5 LAKHS** PER ANNUM

www.nsr.it.edu.in | Industry - Institute Linkage | CDC | Visakhapatnam, AP



Autonomous

DECEMBER – FEBRUARY ,2024 VOL.09 ISSUE 03

ELECTRONICS AND COMMUNICATION ENGINEERING



Sri N.Satyanarayana Raju  
President



Dr S. Sambhu Prasad  
Principal



Dr. J. Raja Murugadoss  
Director



Dr. B.Siva Prasad  
HOD ECE

## EDITORIAL COMMITTEE

### EDITORIAL COMMITTEE

Chief Editor :Dr.B.Siva Prasad

Editor (s): Mrs. M.V.S.Rojaramani

One faculty Nominee from Department: Mr.B.Ravichandra

### Student Representatives:

1.Mr B.Lakshmi Naidu (IV ECE)

2.Mr. B.Gowtham (III ECE)

3.. Mr. K.Radha Krishna (II ECE)

