



# DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

## NEWS LETTER

Academic Year : **2024-25**

Volume No : **26**



Best Industry Connect Autonomous Institute

**NRI** Institute of  
Technology



Accredited by NAAC with "A" Grade & NBA  
Pothavarappadu, Agiripalli, Vijayawada, Andhra Pradesh 521212



# NRI INSTITUTE OF TECHNOLOGY **[AUTONOMOUS]**

(Approved by AICTE - New Delhi, Affiliated to JNTUK, Kakinada)

(Accredited by NBA for UG – EEE, ECE & CSE)

(Accredited by NAAC with 'A' Grade, ISO 9001 : 2008 Certified)

POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Ph : 0866-2469666 Website : [www.nriit.edu.in](http://www.nriit.edu.in) E-mail: [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



DEPARTMENT OF

## **ELECTRICAL & ELECTRONICS ENGINEERING**

### **PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)**

- *To provide students, a strong foundation in core areas along with engineering mathematics, sciences and make them globally competent in designing, modeling and critical problem solving. **(Quality Education)***
- *To promote research activities in the field of electrical and electronics engineering through lifelong learning and provide solutions to engineering problems for sustainable development of society. **(Research)***
- *To bring in holistic growth of the graduates by inculcating good communication skills and socio-ethical values. **(Professional Career & Social Responsibility)***
- *To strive for getting employment or higher education by excelling in competitive examinations and be able to work in supportive and leadership roles. **(Higher Education)***

### **PROGRAMME SPECIFIC OUTCOMES (PSOs)**

- *Apply fundamental knowledge to identify, formulate, design and investigate various problems of electrical and electronic circuits, electrical machines, power electronics and power systems.*
- *Solve ethically and professionally various electrical engineering problems in societal & environmental context and communicate effectively.*



# NRI INSTITUTE OF TECHNOLOGY [AUTONOMOUS]

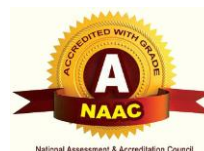
(Approved by AICTE - New Delhi, Affiliated to JNTUK, Kakinada)

(Accredited by NBA for UG – EEE, ECE & CSE)

(Accredited by NAAC with 'A' Grade, ISO 9001 : 2008 Certified)

POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Ph : 0866-2469666 Website : [www.nriit.edu.in](http://www.nriit.edu.in) E-mail: [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### PROGRAM OUTCOMES (POs)

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, electrical engineering fundamentals and specialization to the solution of complex electrical engineering problems.
- 2. Problem analysis:** Identify, formulate, review research literature, and analyze complex electrical engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. Design/development of solutions:** Design solutions for complex electrical engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling of complex engineering activities with an understanding of the limitations.
- 6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development.
- 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- 12. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



# NRI INSTITUTE OF TECHNOLOGY [AUTONOMOUS]

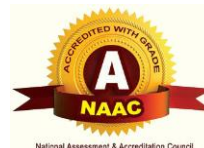
(Approved by AICTE - New Delhi, Affiliated to JNTUK, Kakinada)

(Accredited by NBA for UG – EEE, ECE & CSE)

(Accredited by NAAC with 'A' Grade, ISO 9001 : 2008 Certified)

POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Ph : 0866-2469666 Website : [www.nriit.edu.in](http://www.nriit.edu.in) E-mail: [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### VISION & MISSION OF THE DEPARTMENT

#### VISION OF THE DEPARTMENT

To achieve academic excellence and produce globally competent Electrical & Electronics Engineers by imparting knowledge through quality education and meeting ever changing industrial demands and societal needs.

#### MISSION OF THE DEPARTMENT

- MD1: To provide quality education through state of art laboratories and instruction by highly qualified and experienced faculty in Electrical & Electronics Engineering.*
- MD2: To establish a continuous industry institute interaction, participation, collaboration to contribute skilled Electrical Engineers.*
- MD3: To promote innovative technologies and Research & development (R&D) in Emerging areas of Electrical Engineering.*
- MD4: To build human & social values, entrepreneurship skills and professional ethics among the Electrical Engineers.*



# NRI INSTITUTE OF TECHNOLOGY [AUTONOMOUS]

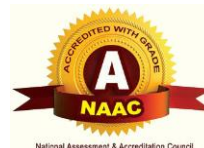
(Approved by AICTE - New Delhi, Affiliated to JNTUK, Kakinada)

(Accredited by NBA for UG – EEE, ECE & CSE)

(Accredited by NAAC with 'A' Grade, ISO 9001 : 2008 Certified)

POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Ph : 0866-2469666 Website : [www.nriit.edu.in](http://www.nriit.edu.in) E-mail: [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



## DEPARTMENT OF

## ELECTRICAL & ELECTRONICS ENGINEERING

### PUBLICATION OF NEWSLETTERS/MAGAZINES EDITORIAL BOARD MEMBERS

S.NO	NAME	DESIGNATION
1	Dr. R. VENKAT RAO	Chairman & Chief Patron
2	Dr. C. NAGA BHASKAR	Principal, Patron
3	Dr. N. SAMBA SIVA RAO	Professor & HOD EEE,
4	I.PRASANNA KUMAR	Assistant Professor EEE
5	R. RAGHUNADHA SASTRY	Associate Professor EEE, Member
6	K. VENKATA KISHORE	Associate Professor EEE, Member
7	B. EEDUKONDALU	Assistant Professor EEE, Member
8	S. RAMYAKA	Assistant Professor EEE, Member

### STUDENT MEMBERS:

S.NO	Roll number	Name of the Student	CLASS
1	21KN1A0201	A. RENU SRI	IV EEE
2	21KN1A0252	S. SETHU PAVAN	IV EEE
3	20KN1A0231	M.BALA VENKATA SAI	III EEE





# NRI INSTITUTE OF TECHNOLOGY [AUTONOMOUS]

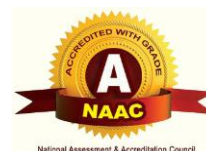
(Approved by AICTE - New Delhi, Affiliated to JNTUK, Kakinada)

(Accredited by NBA for UG – EEE, ECE & CSE)

(Accredited by NAAC with 'A' Grade, ISO 9001 : 2008 Certified)

POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Ph : 0866-2469666 Website : [www.nriit.edu.in](http://www.nriit.edu.in) E-mail: [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### AVAILABLE FACULTY LIST -2024-25

S.No	Name of the Faculty Member	Qualification			Association with the Institution	Designation
		Degree (highest degree)	University	Year of attaining higher qualification		
1	Dr. N. Samba Siva Rao	Ph.D	JNTUH	30-10-2015	Y	Professor and HOD
2	Dr. Chandra Sekhar	Ph.D	KLU	17-03-2022	Y	Professor
3	Dr.N.V. Prasad K	Ph.D	HEFEI	24-07-2020	Y	Associate Professor
4	Dr.V. Kiran Babu	Ph.D	KLU	26-07-2022	Y	Associate Professor
5	Mr. R. Raghunadha Sastry	M.Tech	ANU	30-07-2010	Y	Associate Professor
6	Mr. K. Venkata Kishore	M.Tech	JNTUH	30-12-2011	Y	Associate Professor
7	Mrs. S. Bhavani	M.Tech	ANU	30-07-2010	Y	Associate Professor
8	Mr. I. Prasanna Kumar	M.Tech	GITAM	29-07-2011	Y	Assistant Professor
9	Mrs. V. Lalitha	M.Tech	JNTUK	31-03-2014	Y	Assistant Professor
10	Mr. K. Sravan Sai Kumar	M.Tech	ANU	30-10-2012	Y	Assistant Professor
11	Mr. B. Eedukondalu	M.Tech	JNTUK	30-09-2016	Y	Assistant Professor
12	Mrs. S.Ramyaka	M.Tech	JNTUK	30-01-2016	Y	Assistant Professor
13	Mr. Y. Nireekshana Rao	M.Tech	JNTUK	29-11-2019	Y	Assistant Professor
14	Mr. K. Moni	M.Tech	JNTUK	30-11-2020	Y	Assistant Professor
15	Mr. G. Devanand	M.Tech	JNTUK	30-01-2014	Y	Assistant Professor



# NRI INSTITUTE OF TECHNOLOGY [AUTONOMOUS]

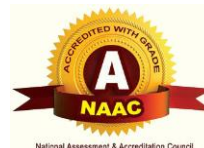
(Approved by AICTE - New Delhi, Affiliated to JNTUK, Kakinada)

(Accredited by NBA for UG – EEE, ECE & CSE)

(Accredited by NAAC with 'A' Grade, ISO 9001 : 2008 Certified)

POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Ph : 0866-2469666 Website : [www.nriit.edu.in](http://www.nriit.edu.in) E-mail: [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



## DEPARTMENT OF

## ELECTRICAL & ELECTRONICS ENGINEERING

16	Mrs. Ch. Sirisha	M.Tech	JNTUK	30-09-2016	Y	Assistant Professor
17	Mrs.P. Bhagya Maduri	M.Tech	JNTUK	30-10-2017	Y	Assistant Professor
18	Mrs.B. Saidamma	M.Tech	JNTUK	30-12-2013	Y	Assistant Professor

### PUBLICATIONS – PAPERS, BOOKS (STAFF/FACULTY)

Sl. No.	Faculty / Staff name	Paper / book title	Events / Journals / Publisher
1	Dr. N. Sambasiva Rao	Intelligent Water Pump Controller with Water Level Display	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 12, Issue 10, October-2024
2	Dr. N. Sambasiva Rao	Accident Prevention System	IJIRT   Volume 6 Issue 12   ISSN: 2349-6002, October 2024
3	Dr. N. Sambasiva Rao	Smart Machine Control	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 12, Issue 10, October-2024
4	Dr. N. Sambasiva Rao	Smart Railway System to Prevent Collisions	IJIRT   Volume 11 Issue 6, Pg.88-93   ISSN: 2349-6002, October 2024
5	Dr. N. Sambasiva Rao	Radio Frequency Based Home Automation System	International Journal of All Research Education and Scientific Methods (IJARESM), Volume 12, Issue 10, October 2024
6	Dr. N. Sambasiva Rao	Wireless Charging for Pacemaker Battery	IJIRT   Volume 11 Issue 5   ISSN: 2349-6002, October 2024
7	Dr. N. Sambasiva Rao	Hybrid Power Generation	IJARESM, Volume 12, Issue 10, October 2024
8	Dr. N. Sambasiva Rao	Automatic Engine Locking System and GPS Tracking For Drunken Drive Using Arduino	IJIRT   Volume 11 Issue 5   ISSN: 2349-6002, October 2024
9	Dr. N. Sambasiva Rao	Farmer's Safety (For Future Generation)	IJARESM, Volume 12, Issue 10, October 2024
10	Dr. N. Sambasiva Rao	She Sakhi	IJIRT   Volume 11 Issue 5   ISSN: 2349-6002, Pg. No.2351-2354, October 2024
11	Dr. N. Sambasiva Rao	IoT Based Railway Track Crack Alert System	IJARESM, Volume 12, Issue 11, November 2024
12	Dr. N. Sambasiva Rao	Solar Piezo Hybrid Electric Charging System	IJIRT   Volume 11 Issue 5   ISSN: 2349-6002, Pg. No.2108-2111, October 2024
13	Dr. N. Sambasiva Rao	IoT Based Surge Defender	IJARESM, Volume 12, Issue 10, October 2024
14	Dr. S. Chandra Sekhar	Wavelet-ANN Based Detection of Fault Location of Hybrid Renewable Energy Sources Connected Power Transmission System	INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH S. Chandra Shekar et al., Vol.14, No.3, September, 2024 (SCOPOUS)
15	Dr .N.V. Prasad.K	Solar Powered Grass Cutting Robot	IJSRED, Vol 8, Issue 2, Mar-Apr 2025



# NRI INSTITUTE OF TECHNOLOGY [AUTONOMOUS]

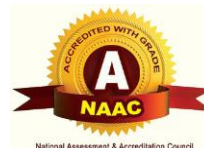
(Approved by AICTE - New Delhi, Affiliated to JNTUK, Kakinada)

(Accredited by NBA for UG – EEE, ECE & CSE)

(Accredited by NAAC with 'A' Grade, ISO 9001 : 2008 Certified)

POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Ph : 0866-2469666 Website : [www.nriit.edu.in](http://www.nriit.edu.in) E-mail: [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



## DEPARTMENT OF

## ELECTRICAL & ELECTRONICS ENGINEERING

16	Dr.V. Kiran Babu	Smart Wheel chair using Voice Gesture and Eye Movement Recognition	IJPREMS, Vol.05, Issue 03, March 2025, pp:1668-1670
17	Dr.V. Kiran Babu	Smart Wheel chair using Voice Gesture and Eye Movement Recognition	IJARIIE-ISSN(O)-2395-4396, Vol-11 Issue-I 2025
18	Mr. R. Raghunadha Sastry	Accident Prevention System	IJIRT   Volume 6 Issue 12   ISSN: 2349-6002, October 2024
19	Mr. R. Raghunadha Sastry	Automatic Load Sharing and Protection of Transformers using Microcontroller	IJPREMS, Vol.05, Issue 03, March 2025, pp:1647-1649
20	Mr. R. Raghunadha Sastry	Reptile Risk Management for Farmers	IJSRED, Vol 8, Issue 2, 2025
21	Mr. R. Raghunadha Sastry	Robo The Saviour	IJPREMS, Vol.05, Issue 03, March 2025, pp:1737-1739
22	Mr. R. Raghunadha Sastry	She Sakhi	IJIRT   Volume 11 Issue 5   ISSN: 2349-6002, Pg. No.2351-2354, October 2024
23	Mr. R. Raghunadha Sastry	Solar Piezo Hybrid Electric Charging System	IJIRT   Volume 11 Issue 5   ISSN: 2349-6002, Pg. No.2108-2111, October 2024
24	Mr. K. Venkata Kishore	Smart Machine Control	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 12, Issue 10, October-2024
25	Mr. K. Venkata Kishore	IoT Based Railway Track Crack Alert System	IJARESM, Volume 12, Issue 11, November 2024
26	Mr. K. Venkata Kishore	Trash Tracker: A Waste Management System	IJARIIE-ISSN(O)-2395-4396, Vol 11, Issue-1, 2025
27	Mr. K. Venkata Kishore	Vehicle to Vehicle Communication for Safety Alert	IJARIIE-ISSN(O)-2395-4396, Vol-11 Issue-I 2025
28	Mr. K. Venkata Kishore	Power Quality Enhancement in Electric Vehicle Integrated Distribution Systems using a Solar Powered Dynamic Voltage Restorer	2025 International Conference on Sustainable Energy Technologies and Computational Intelligence (SETCOM)   979-8-3315-2054-0/25/\$31.00 ©2025 IEEE   DOI: 10.1109/SETCOM64758.2025.10932644
29	Mrs. S. Bhavani	Radio Frequency Based Home Automation System	International Journal of All Research Education and Scientific Methods (IJARESM), Volume 12, Issue 10, October 2024
30	Mr. I. Prasanna Kumar	Smart Railway System to Prevent Collisions	IJIRT   Volume 11 Issue 6, Pg.88-93   ISSN: 2349-6002, October 2024
31	Mr. I. Prasanna Kumar	Smart Railway Traction System	IJPREMS, Vol.05, Issue 03, March 2025, pp:1632-1635
32	Mr. B. Eedukondalu	Reptile Risk Management for Farmers	IJSRED, Vol 8, Issue 2, 2025
33	Mrs. S. Ramyaka	Hybrid Power Generation	IJARESM, Volume 12, Issue 10, October 2024
34	Mrs. S. Ramyaka	Solar-Wind Hybrid Power Generation on Highway Dividers	IJARIIE-ISSN(O)-2395-4396, Vol-11 Issue-I 2025
35	Mr. Moni	Solar-Wind Hybrid Power Generation on Highway Dividers	IJARIIE-ISSN(O)-2395-4396, Vol-11 Issue-I 2025
36	Mr. G. Devanand	Automatic Engine Locking System and GPS Tracking For	IJIRT   Volume 11 Issue 5   ISSN: 2349-6002, October 2024





# NRI INSTITUTE OF TECHNOLOGY [AUTONOMOUS]

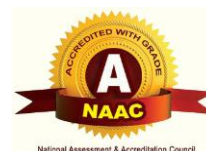
(Approved by AICTE - New Delhi, Affiliated to JNTUK, Kakinada)

(Accredited by NBA for UG – EEE, ECE & CSE)

(Accredited by NAAC with 'A' Grade, ISO 9001 : 2008 Certified)

POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Ph : 0866-2469666 Website : [www.nriit.edu.in](http://www.nriit.edu.in) E-mail: [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



## DEPARTMENT OF

## ELECTRICAL & ELECTRONICS ENGINEERING

37	Mr. G. Devanand	IoT Based Surge Defender	IJARESM, Volume 12, Issue 10, October 2024
38	Mr. G. Devanand	Smart Wheel chair using Voice Gesture and Eye Movement Recognition	IJARIE-ISSN(O)-2395-4396, Vol-11 Issue-I 2025
39	Mrs.P. Bhagya Madhuri	Trash Tracker: A Waste Management System	IJARIE-ISSN(O)-2395-4396, Vol 11, Issue-1, 2025
40	Mrs. Saidamma	Vehicle to Vehicle Communication for Safety Alert	IJARIE-ISSN(O)-2395-4396, Vol-11 Issue-I 2025

### PUBLICATIONS – PAPERS, BOOKS (STUDENTS)

Sl. No.	Name of Student(s)	Paper / book title	Events / Journals / Publisher
1	P. TEJASWI N. RACHANA P. S. J. N. MALLESWARI G KARUNA KIRAN D VIJAYA RAJU	INTELLIGENT WATER PUMP CONTROLLER WITH WATER LEVEL DISPLAY	INTERNATIONAL JOURNAL OF ALL RESEARCH EDUCATION AND SCIENTIFIC METHODS (IJARESM), ISSN: 2455-6211, VOLUME 12, ISSUE 10, OCTOBER-2024
2	B. EMANEALU RAJU K. VISHNU POOJITHA M. SAI SREE D. KALYANI P. AJAY	ACCIDENT PREVENTION SYSTEM	IJIRT   VOLUME 6 ISSUE 12   ISSN: 2349-6002, OCTOBER 2024
3	AKIREDDY RENU SRI ROKKAM POORNACHANDU SYED NAVID PASHA CHINTA VASUDEVARAO PASUPULETI SAINADH	SMART MACHINE CONTROL	INTERNATIONAL JOURNAL OF ALL RESEARCH EDUCATION AND SCIENTIFIC METHODS (IJARESM), ISSN: 2455-6211, VOLUME 12, ISSUE 10, OCTOBER-2024
4	S. SETHU PAVAN E. RENUKA CH. HEMANTH G. LAKSHMAN KUMAR A. JAYANTH	SMART RAILWAY SYSTEM TO PREVENT COLLISIONS	IJIRT   VOLUME 11 ISSUE 6, PG.88-93   ISSN: 2349-6002, OCTOBER 2024
5	S. RADHIKA U. NEELIMA B. KARTHIKEYA B. NAGA SATISH G. NAVYA SRI	RADIO FREQUENCY BASED HOME AUTOMATION SYSTEM	INTERNATIONAL JOURNAL OF ALL RESEARCH EDUCATION AND SCIENTIFIC METHODS (IJARESM), VOLUME 12, ISSUE 10, OCTOBER 2024
6	DEVI VENKATA SAI VARDHAN BADITHA KALYANI KOLLIPARA PAVITRA LAKSHMI B GAYATHRI S SATYA SAI RAM	WIRELESS CHARGING FOR PACEMAKER BATTERY	IJIRT   VOLUME 11 ISSUE 5   ISSN: 2349-6002, OCTOBER 2024
7	T MANI VARMA B MURALI B DHANYA U HANUMAN SAI KRISHNA B HEMANTH	HYBRID POWER GENERATION WITH WAVE ENERGY AND SOLAR ENERGY	IJARESM, VOLUME 12, ISSUE 10, OCTOBER 2024
8	B THANUSRI B VISHNU VARDHAN K DEEPTHI SRILEKHA P PRASANNA KUMARI V ANIL	AUTOMATIC ENGINE LOCKING SYSTEM AND GPS TRACKING FOR DRUNKEN DRIVE USING ARDUINO	IJIRT   VOLUME 11 ISSUE 5   ISSN: 2349-6002, OCTOBER 2024
9	P SOBHANA DEEPTHI D MANOJ KUMAR U NAVEEN M VENKATESH N RAJESH	FARMER'S SAFETY(FOR FUTURE GENERATION)	IJARESM, VOLUME 12, ISSUE 10, OCTOBER 2024



# NRI INSTITUTE OF TECHNOLOGY [AUTONOMOUS]

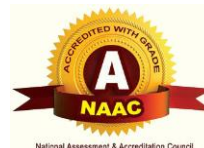
(Approved by AICTE - New Delhi, Affiliated to JNTUK, Kakinada)

(Accredited by NBA for UG – EEE, ECE & CSE)

(Accredited by NAAC with 'A' Grade, ISO 9001 : 2008 Certified)

POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Ph : 0866-2469666 Website : [www.nriit.edu.in](http://www.nriit.edu.in) E-mail: [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



## DEPARTMENT OF

## ELECTRICAL & ELECTRONICS ENGINEERING

10	S MANASA P LAKSHMI PARVATHI M U N DHANUSH P PAVAN B RITHIKA	SHE SAKHI	IJIRT   VOLUME 11 ISSUE 5   ISSN: 2349-6002, PG. NO.2351-2354, OCTOBER 2024
11	N MANASA G THANMAI A RAHUL T VIDHAYADARA CHAKRAVARTHI B PHANEENDRA	IOT BASED RAILWAY TRACK CRACK ALERT SYSTEM	IJARESM, VOLUME 12, ISSUE 11, NOVEMBER 2024
12	K ASHA DEEPTHI K SRAVANI P PAVAN KUMAR Y TULASI RAMYA T SHIVARAM	SOLAR PIEZO HYBRID ELECTRIC CHARGING SYSTEM	IJIRT   VOLUME 11 ISSUE 5   ISSN: 2349-6002, PG. NO.2108-2111, OCTOBER 2024
13	K S K VARSHINI P JAHNAVI J VENKATA SASIDHAR R SAI DIVYA D SUDHEER K ANIL	IOT BASED SURGE DEFENDER	IJARESM, VOLUME 12, ISSUE 10, OCTOBER 2024
14	P. TEJASWI N. RACHANA P. S. J. N. MALLESWARI G KARUNA KIRAN D VIJAYA RAJU	SMART HYDRO SYSTEM	IJSRED, VOLUME 8 ISSUE 2, MAR-APR 2025
15	B. EMANEAL RAJU K. VISHNU POOJITHA M. SAI SREE D. KALYANI P. AJAY	AUTOMATIC LOAD SHARING AND PROTECTION OF TRANSFORMERS USING MICROCONTROLLER	IJPREMS, VOL.05, ISSUE 03, MARCH 2025, PP:1647-1649
16	AKIREDDY RENU SRI ROKKAM POORNACHANDU SYED NAVID PASHA CHINTA VASUDEVARAO PASUPULETI SAINADH	TRASH TRACKER: A WASTE MANAGEMENT SYSTEM	IJARIIE-ISSN(O)-2395-4396, VOL 11, ISSUE-1, 2025
17	S. SETHU PAVAN E. RENUKA CH. HEMANTH G. LAKSHMAN KUMAR A. JAYANTH	SMART RAILWAY TRACTION SYSTEM	IJPREMS, VOL.05, ISSUE 03, MARCH 2025, PP:1632-1635
18	S. RADHIKA U. NEELIMA B. KARTHIKEYA B. NAGA SATISH G. NAVYA SRI	MULTI SOLAR ENERGY HARVESTER	IJSRED, VOLUME 8 ISSUE 2, MAR-APR 2025
19	DEVI VENKATA SAI VARDHAN BADITHA KALYANI KOLLIPARA PAVITRA LAKSHMI B GAYATHRI S SATYA SAI RAM	SMART WHEEL CHAIR USING VOICE GESTURE AND EYE MOVEMENT RECOGNITION	IJPREMS, VOL.05, ISSUE 03, MARCH 2025, PP:1668-1670



# NRI INSTITUTE OF TECHNOLOGY

[AUTONOMOUS]

(Approved by AICTE - New Delhi, Affiliated to JNTUK, Kakinada)

(Accredited by NBA for UG – EEE, ECE & CSE)

(Accredited by NAAC with 'A' Grade, ISO 9001 : 2008 Certified)

POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Phone: 0866-2469666 Website : [www.nriit.edu.in](http://www.nriit.edu.in) E-mail: [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



20	T MANI VARMA B MURALI B DHANYA U HANUMAN SAI KRISHNA B HEMANTH	SOLAR-WIND HYBRID POWER GENERATION ON HIGHWAY DIVIDERS	IJARIE-ISSN(O)-2395-4396, VOL-11 ISSUE-I 2025
21	B THANUSRI B VISHNU VARDHAN K DEEPTHI SRILEKHA P PRASANNA KUMARI V ANIL	SMART WHEEL CHAIR USING VOICE GESTURE AND EYE MOVEMENT RECOGNITION	IJARIE-ISSN(O)-2395-4396, VOL-11 ISSUE-I 2025
22	P SOBHANA DEEPTHI D MANOJ KUMAR U NAVEEN M VENKATESH N RAJESH	FARMER'S SAFETY FROM REPTILES	IJSRED, VOL 8, ISSUE 2, MAR-APR 2025
23	S MANASA P LAKSHMI PARVATHI M U N DHANUSH P PAVAN B RITHIKA	ROBO THE SAVIOUR	IJPREAMS, VOL.05, ISSUE 03, MARCH 2025, PP:1737-1739
24	N MANASA G THANMAI A RAHUL T VIDHAYADARA CHAKRAVARTHI B PHANEENDRA	VEHICLE TO VEHICLE COMMUNICATION FOR SAFETY ALERT	IJARIE-ISSN(O)-2395-4396, VOL-11 ISSUE-I 2025
25	K ASHA DEEPTHI K SRAVANI P PAVAN KUMAR Y TULASI RAMYA T SHIVARAM	HYBRID ELECTRIC CHARGING SYSTEM	IJPREAMS, VOL.05, ISSUE 03, MARCH 2025, PP:1368-1371
26	K S K VARSHINI P JAHNAVI J VENKATA SASIDHAR R SAI DIVYA D SUDHEER K ANIL	SOLAR POWERED GRASS CUTTING ROBOT	IJSRED, VOL 8, ISSUE 2, MAR-APR 2025
27	ARSHEEN KHADEEJA	REPTILE RISK MANAGEMENT FOR FARMERS	IJSRED, VOL 8, ISSUE 2, 2025



# NRI INSTITUTE OF TECHNOLOGY

[AUTONOMOUS]

(Approved by AICTE - New Delhi, Affiliated to JNTUK, Kakinada)

(Accredited by NBA for UG – EEE, ECE & CSE)

(Accredited by NAAC with 'A' Grade, ISO 9001 : 2008 Certified)

POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Phone: 0866-2469666 Website : [www.nriit.edu.in](http://www.nriit.edu.in) E-mail: [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



## STUDENT ACHIEVEMENTS (PRIZES/PARTICIPATION IN INTER INSTITUTE EVENTS) -(2024-25)

S.NO	YEAR	NAME OF THE STUDENT	NAME OF THE EVENT	PLACE/COLLEGE	AWARD/ PARTICIPATION
1	2024-25	B. KARTHIKEYA	PROJECT EXPO	ANDHRA LOYOLA INSTITUTE OF ENGINEERING & TECHNOLOGY, VIJAYAWADA	II PRIZE
2		S. MANASA	PAPER PRESENTATION	ANDHRA LOYOLA INSTITUTE OF ENGINEERING & TECHNOLOGY, VIJAYAWADA	II PRIZE
3		T. MANIVARMA	PROJECT EXPO	ANDHRA LOYOLA INSTITUTE OF ENGINEERING & TECHNOLOGY, VIJAYAWADA	II PRIZE
4		G. LAKSHMAN KUMAR	PAPER PRESENTATION	ANDHRA LOYOLA INSTITUTE OF ENGINEERING & TECHNOLOGY, VIJAYAWADA	II PRIZE
5		D. SUMASRI	PAPER PRESENTATION	DVR & Dr. HS MIC College of technology	II PRIZE
6		MORLA NIRMALA JYOTHI	PAPER PRESENTATION	DVR & Dr. HS MIC College of technology	II PRIZE
7		AREGE SRIKALA	PAPER PRESENTATION	DVR & Dr. HS MIC College of technology	II PRIZE
8		KOTTE SOWMYA DEEPTHI	PAPER PRESENTATION	DVR & Dr. HS MIC College of technology	II PRIZE
9		J. VENKATA SAI SASIDHAR	PAPER PRESENTATION	LAKKI REDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM	PARTICIPATION
10		P. TEJASWINI	TECHNICAL POSTER PRESENTATION	LAKKI REDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM	PARTICIPATION
11		B. THANU SRI	PROJECT EXPO	LAKKI REDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM	PARTICIPATION
12		CH. HEMANTH KUMAR	TECHNICAL QUIZ	LAKKI REDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM	PARTICIPATION
13		M.NAGA BABU	TECHNICAL QUIZ	LAKKI REDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM	PARTICIPATION
14		A. RENU SRI	TECHNICAL QUIZ	LAKKI REDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM	PARTICIPATION
15		B. KALYANI	TECHNICAL QUIZ	LAKKI REDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM	PARTICIPATION
16		K. ASHA DEEPTHI	TECHNICAL POSTER PRESENTATION	LAKKI REDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM	PARTICIPATION



# NRI INSTITUTE OF TECHNOLOGY

[AUTONOMOUS]

(Approved by AICTE - New Delhi, Affiliated to JNTUK, Kakinada)

(Accredited by NBA for UG – EEE, ECE & CSE)

(Accredited by NAAC with 'A' Grade, ISO 9001 : 2008 Certified)

POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Phone: 0866-2469666 Website : [www.nriit.edu.in](http://www.nriit.edu.in) E-mail: [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



17		P. SOBHANA DEEPTHI	TECHNICAL POSTER PRESENTATION	LAKKI REDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM	PARTICIPATION
----	--	--------------------	-------------------------------------	--	---------------

## STUDENT ACHIEVEMENTS WITH IN THE INSTITUTE

S.NO	NAME OF THE STUDENT	NAME OF THE EVENT	COLLEGE	PRIZE/PARTICIPATION
1	P.SAI VENKAT	STANDARDS WRITING COMPETITION	NRIIT	PARTICIPATION
2.	CH. KRISHNA Koushik	STANDARDS WRITING COMPETITION	NRIIT	PARTICIPATION
3.	M.BALA VENKATA SAI	STANDARDS WRITING COMPETITION	NRIIT	PARTICIPATION
4.	A. SURENDRA	STANDARDS WRITING COMPETITION	NRIIT	PARTICIPATION
5.	R. MAHESH BABU	STANDARDS WRITING COMPETITION	NRIIT	PARTICIPATION
6.	P. MOUNIKA	STANDARDS WRITING COMPETITION	NRIIT	PARTICIPATION
7.	P. PANCHAMI	STANDARDS WRITING COMPETITION	NRIIT	PARTICIPATION
8.	T, DIVYA TEJASWINI	STANDARDS WRITING COMPETITION	NRIIT	PARTICIPATION
9.	D, SUMA SRI	STANDARDS WRITING COMPETITION	NRIIT	PARTICIPATION

## INTERSHIPS COMPLETED BY STUENTS FOR THE PAST FOUR YEARS

Academic Year	Internships
2024-25	131
2023-24	126
2022-23	79
2021-22	06

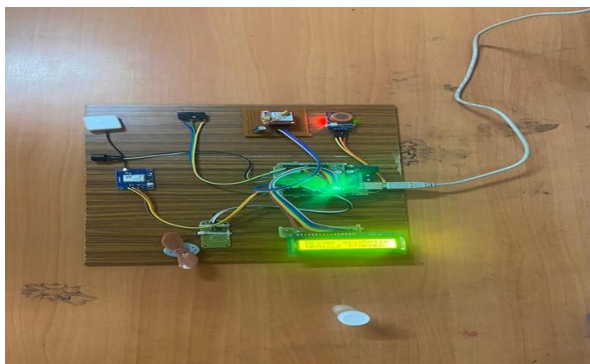


## Events Conducted Within the Department:

S.NO	YEAR	NAME OF THE EVENT
1	<b>2024-25</b>	PROJECT EXPO
2		A ONE WEEK WORK SHOP ON AI & ML TOOLS
3		A ONE DAY SEMINAR ON TEACHING METHODS & TOOLS

## PHOTOS IN THE ABOVE EVENTS

### PROJECTS MODELS DEVELOPED BY OUR STUDENTS



**She Sakhi**



**Farmer's Safety for  
Future Generation**



**Smart Hydro System**



# NRI INSTITUTE OF TECHNOLOGY

[AUTONOMOUS]

(Approved by AICTE - New Delhi, Affiliated to JNTUK, Kakinada)

(Accredited by NBA for UG – EEE, ECE & CSE)

(Accredited by NAAC with 'A' Grade, ISO 9001 : 2008 Certified)

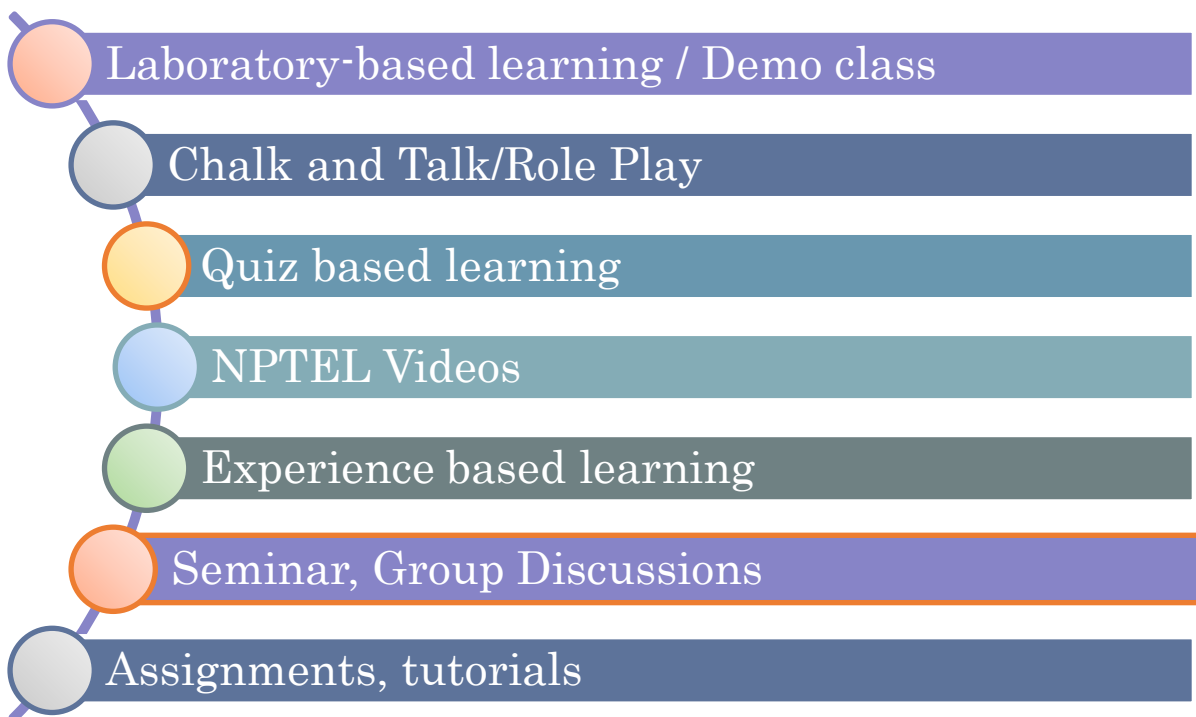
POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Phone: 0866-2469666 Website: [www.nriit.edu.in](http://www.nriit.edu.in) E-mail: [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



ONE WEEK WORK SHOP ON AI & ML TOOLS

A ONE DAY SEMINAR ON TEACHING METHODS & TOOLS





# NRI INSTITUTE OF TECHNOLOGY

[AUTONOMOUS]

(Approved by AICTE - New Delhi, Affiliated to JNTUK, Kakinada)

(Accredited by NBA for UG – EEE, ECE & CSE)

(Accredited by NAAC with 'A' Grade, ISO 9001 : 2008 Certified)

POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Phone: 0866-2469666 Website: [www.nriit.edu.in](http://www.nriit.edu.in) E-mail: [principal@nriit.edu.in](mailto:principal@nriit.edu.in)



Student Seminar



Field visit



Hands on training



Group discussions



Demonstration



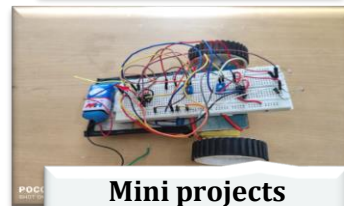
Hackathons



Code Breaking



Projects



Mini projects

Teaching Learning Process – Student Centric methods



# Top in Academics Best in Placements



TATA CONSULTANCY SERVICES



Cognizant  
Technology  
Solutions



LG Soft India



Flexiware Solutions



Financial Software & Systems



Mu Sigma  
DO THE MATH



American  
Megatrends  
Invent Future >>



## NRI Institute of Technology

(Approved by AICTE, New Delhi & Affiliated to JNTU, Kakinada)

Pothavarappadu, Agiripalli, VIJAYAWADA RURAL, Krishna Dist.

Phone No.0866-2469679, Website : [www.nrigroupofcolleges.com](http://www.nrigroupofcolleges.com)

