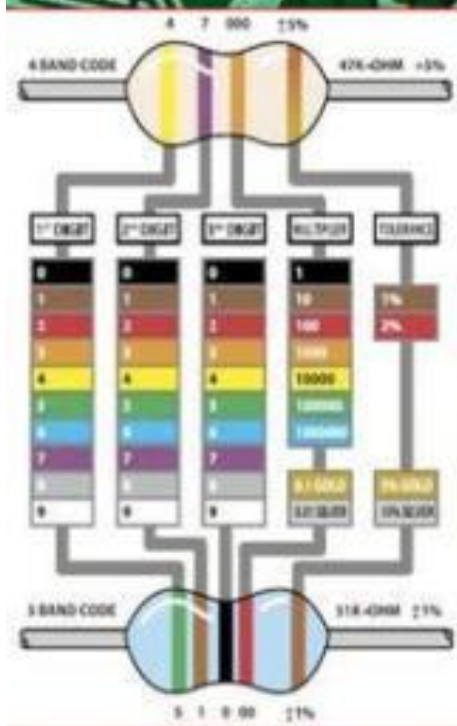


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BULLETIN**

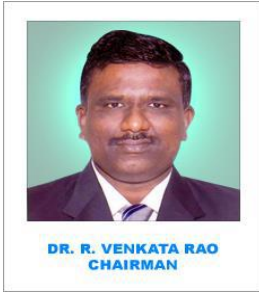
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NRI Institute of Technology

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POTHAVARAPPADU-521 212 VIJAYAWADA, Krishna Dist.

Ph : 0866-2469666 Website : nrigroupofcolleges.com e-mail : nrihitech@rediffmail.com

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Vision of the Institute:

To produce Professionally Excellent, Knowledgeable, Globally Competitive and Socially Responsible Engineers and Entrepreneurs.

Mission of the Institute:

M1	Providing quality education through state-of-the- art infrastructure, laboratories and committed Staff.
M2	Establishing a continuous industry-institute interaction, participation and collaboration to contribute skilled Engineers.
M3	Involving Faculty members and Students in Research and Development to become globally competitive and for the betterment of the Society.
M4	Developing human values, social values, entrepreneurship skills and professional ethics among the Technocrats.

Vision of the Department:

To produce Professionally Excellent, Knowledgeable, Globally Competitive and Socially Responsible Electronics and Communication Engineers and Entrepreneurs.

Mission of the Department:

M1	To provide Quality professional Education in Electronics and Communication Engineering through state-of-art Infrastructure, Laboratories and Committed Staff.
M2	To establish a continuous Industry Institute Interaction, Participation to produce Skillful Electronics and Communication Engineers.
M3	To involve Faculty members and Students in Research and Development Works for globally competitive Electronics and Communication Engineers.

M4	To develop Human values, Social values, Entrepreneurship skills and Professional Ethics among Electronics and Communication Technocrats.
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Programme Educational Objectives (PEO's):

PEO1	To acquire knowledge in Basic Sciences to improve core competency skills and deliver efficient solution to the problems in ECE and allied fields.
PEO2	To possess the ability in analyzing real time problems and design models to meet the societal needs.
PEO3	To develop communication skills, leader ship qualities with good inter-personal relationship in diverse professions of varied technical services.
PEO4	To promote higher educational & research to meet the socio-economic needs.

PROGRAM OUTCOMES (PO's)

At the time of graduation, students from the Electronics & Communication Engineering program will possess:

S.No	Graduate Attributes (GA)	Program Outcomes (POs)
PO1	a ENGINEERING KNOWLEDGE	PO1: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
PO2	b PROBLEM ANALYSIS	PO2: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	c DESIGN/DEVELOPMENT OF SOLUTIONS	PO3: Design solutions for complex 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.
PO4	d CONDUCT INVESTIGATIONS OF COMPLEX	PO4: 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.

		PROBLEMS	
PO5	e	MODERN TOOL USAGE	PO5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6	f	THE ENGINEER AND SOCIETY	PO6: 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.
PO7	g	ENVIRONMENT AND SUSTAINABILITY	PO7: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	h	ETHICS	PO8: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	i	INDIVIDUAL AND TEAM WORK	PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	j	COMMUNICATION	PO10: 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.
PO11	k	PROJECT MANAGEMENT	PO11: 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.
PO12	l	LIFE-LONG LEARNING	PO12: 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.

DEPARTMENTAL ACTIVITIES



Departmental of Electronics & Communication Engineering

A Two Days Workshop on “Robotics (ROBO-ZEST)” is organized at NRIIT in association on 06th - 07th February, 2015. Students of II, III & IV B.Tech, ECE actively participated in this event. The Chief Guest Mr. Anurag Tiwari, Research Associate, Robospecies Technologies Pvt. Ltd., delivered a speech on how autonomous bots can follow a prescribed path in the least possible time and also added activities on robotics and design. Students are divided into groups and each group was assigned a task in design and implementation to gain knowledge on autonomous bots software.

Workshop on Robotics



PUBLICATIONS OF STAFF IN INTERNATIONAL JOURNALS



DEPT	TITLE	JOURNAL	AUTHORS	
ECE	Micro controller based heart beat, blood pressure and body temperature monitoring system using gsm modern.	IOSR-JECE, 14 Vol.9, Issue 6, Ver- IIISSN(e)- 2278 -2834, ISSN (P) -2278-8735, Nov Dec 20.	R Sunitha	
ECE	CDAS Design for Trains Using RFID and RF Communication.	IJAER, ISSN 0973- 4562, Vol-9, No.21 pp.10351-10362, (2014). Scopus.	K. Prathyusha	

FACULTY DEVELOPMENTS (WORKSHOPS/FDPs) IN CURRENT ACADEMIC YEAR:

S.No	Date	Name of the Staff	Host Institute	Title of the event
1	21 & 22 Jan 2015	Y Arpitha	JNTU Kakinada	Research Tools In Electronics & Communications Engineering

2	22 - 27 Dec 2014	P Baby Sudha Rani	Lakkireddy Balireddy College Of Engineering	Recent Trends in Systems And Signal Processing
3	22 - 27 Dec 2014	G Srinivas Babu	Lakkireddy Balireddy College Of Engineering	Recent Trends in Systems And Signal Processing
4	26 & 27 Feb 2015	Y Arpitha	VR Siddhartha Engineering College	Signal And Image Processing Applications on Xilinx FPGAs
5	26 & 27 Feb 2015	D. Ravi Shankar	VR Siddhartha Engineering College	Signal And Image Processing Applications on Xilinx FPGAs
6	26 & 27 Feb 2015	K. Prathyusha	VR Siddhartha Engineering College	Signal And Image Processing Applications on Xilinx FPGAs
7	26 & 27 Feb 2015	M.Mahesh	VR Siddhartha Engineering College	Signal And Image Processing Applications on Xilinx FPGAs
8	22 - 27 Dec 2014	V. Mohan Krishna	KKR&KSR Institute Of Technology & Science	Antenna Design & Simulation Using HFSS
9	22 - 27 Dec 2014	J. Durga Prasad	KKR&KSR Institute Of Technology & Science	Antenna Design & Simulation Using HFSS

FACULTY MEMBER ACHIEVEMENTS OR MEMBERSHIPS

DEPT	FACULTY NAME	TITLE OF THE MEMBERSHIP	YEAR	
ECE	Mrs.Y.Arpitha	Life Time Member of an ISTE	2014	
ECE	Mr.G.Srinivas Babu	Life Time Member of an IE	2014	

STUDENTS' ACHIEVEMENTS

STUDENT ACHIEVEMENTS IN EXTRA CURRICULAR ACTIVITIES

TECHNICAL PARTICIPATIONS BY STUDENTS IN VARIOUS COLLEGES

Our dynamic students also participated in various events conducted by other colleges in and around the city and bagged prizes.

DEPT	Title of The Event	Organizeers	NAME OF THE STUDENT
ECE ECE	Technical Quiz	Lakkireddy Balireddy Engineering College	G.Aparna
	Cruze	Lakkireddy Balireddy Engineering College	B.Sundari
ECE	Cruze	Lakkireddy Balireddy Engineering College	P.N.L.Prasanna
ECE	Technical Quiz	Lakkireddy Balireddy Engineering College	B.T.Sundari
ECE	Robotic Design	Usha Rama College Of Engineering And Technology	G.Aparna
ECE	Robotic Design	Usha Rama College Of Engineering And Technology	S.Mounika
ECE	Robotic Design	Usha Rama College Of Engineering And Technology	S.Ashwini
ECE ECE	Haptic Robo Arm	Gudlavalleru Engineering College	P.N.L.Prasanna
	Haptic Robo Arm	Gudlavalleru Engineering College	P.N.V.S Mounika
ECE	Haptic Robo Arm	Gudlavalleru Engineering College	K.Lavanya
ECE	Haptic Robo Arm	Gudlavalleru Engineering College	K.Durga Bhavani
ECE	Haptic Robo Arm	Gudlavalleru Engineering College	J.Hema Latha
ECE	Haptic Robo Arm	Gudlavalleru Engineering College	A.Manisha
ECE	Technical Event	University College Of Engineering,Kakinada	J.L.V.Prasad
ECE ECE	Technical Event	KL University,Vijayawada	K.Mani Manjeera
	Technical Event	KL University,Vijayawada	B.T.Sundari
ECE	Technical Event Technical Event	NIT,Warangal NIT,Warangal	C.Raja Sree
ECE			K.Vishnu Priya
ECE	Technical Event	NIT,Warangal	A.V.S.N.S Padma Priya
ECE	Technical Event	NIT,Warangal	Sk.Shabana
ECE	Technical Event	NIT,Warangal	K.Sree Neha Latha

ECE ECE	Technical Event	NIT,Warangal	K.Nithin Ravi Teja
	Technical Event	NIT,Warangal	Y.Vikas
ECE	Circuit Mania	Sarathi Institute Of Science And Technology,Nuzivid	G.Madhuri
ECE	Paper Presentation	Sarathi Institute Of Science And Technology,Nuzivid	B.Sundari
ECE	Circuit Mania	Sarathi Institute Of Science And Technology,Nuzivid	K. Jithendra Datta
ECE	Circuit Mania	Sarathi Institute Of Science And Technology,Nuzivid	G. Aparna
ECE	Project Expo	SRK Institute of Technology,Vijayawada	K. Jitendra Datta
ECE	Circuit Designing And Debugging	Dhanekula Institute of Engineering & Technology,Vijayawada	B. Sai Krishna
ECE	Paper presentation	Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering,Vijayawada	B. Sundari

BEST PROJECTS (2014-2015)

S.No	Roll Number	Students FullName	Title of the Project
1	11KN1A04C0	N.YAMINI SUKANYA	IMPLEMENTATION OF IMAGE DE-NOISY USING THRESHOLD FOR MEDICAL IMAGES
	12KN1A0420	B.RAM BABU	
	12KN1A0415	J.NAGA SRUTHI	
	11KN1A04A6	R.VAMSHI KRISHNA	
2	11KN1A04B6	K.VIJAYA LAKSHMI	COMPACT CPW FED POLARIZATION DIVERSITY ULTRA WHITE BAND ANTENNA DESIGN
	11KN1A04B7	CH.VEENISHA	
	11KN1A04B8	B.VINOOD KUMAR	
	12KN1A0413	J.NAGA BABU	
3	12KN1A0408	G.JAGADESH	ALIVE HUMAN DETECTION ROBOT DURING DISASTERS.
	11KN1A0460	B.NANDHA KISHORE YADAV	
	11KN1A0423	G.GOPINADH	

	12KN1A0407	MD.HASSAN KHAN	
4	11KN1A04B1	K.V.P.KOUSHIK	MINIMIZING BASE STATION POWER CONSUMPTION

STUDENT PARTICIPATION IN TECHNICAL & CO CURRICULAR EVENTS

Our dynamic students also participated in various events conducted by other colleges in and around the city and bagged prizes.

DEPT	Title of The Event	Organizers	PRIZE	Name of The Student
ECE	Circuit Mania	Sri Sarathi Institute of Engineering & Technology, Nuzivid	1 st Prize	K. Jithendra Datta
ECE	Circuit Mania	Sri Sarathi Institute of Engineering & Technology, Nuzivid	2 nd Prize	G. Aparna
ECE	Project Expo	SRK Institute of Technology, Vijayawada	1 st Prize	K. Jitendra Datta
ECE	Circuit Designing And Debugging	Dhanekula Institute of Engineering & Technology, Vijayawada	2 nd Prize	B. Sai Krishna
ECE	Paper presentation	Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering, Vijayawada	2 nd Prize	E.Sowjanya

STUDENT PARTICIPATION IN SPORTS

DEPT	NATURE OF THE EVENT	ORGANIZERS	YEAR	NAME OF THE STUDENT
ECE	Hand Ball	Jntu Kakinada	2014	P.Anusha
ECE	Kabaddi	Jntu Kakinada	2014	P.Srinivas
ECE	Kabaddi	Jntu Kakinada	2014	Y.Vikas`

PLACEMENTS

**MANAGEMENT & STAFF
CONGRATULATE ALL THE FINAL
YEAR STUDENTS WHO TOOK
OFFER LETTERS FROM VARIOUS
ESTEEMED COMPANIES**

STUDENTS PLACED IN ESTEEMED COMPANIES 2014-15

S.No	Roll No.	Student Full Name	Branch	Placed Company Name	Package
1	10KN1A0475	RADHAKRISHNA KOMPALLI	ECE - A	Infosys	3.2L
2	11KN1A0405	AMRUTHA SAI PASUPULETI	ECE - A	Tech Mahindra	3L
3	11KN1A0416	DEVA AMRUTHA GOLLA	ECE - A	Tech Mahindra	3L
4	11KN1A0417	DHANALAKSHMI MUDDANA	ECE - A	Tech Mahindra	3L
5	11KN1A0420	DIVYA TEJASWI VEMURI	ECE - A	Sutherland	1.4L
6	11KN1A0427	HEMA VENKATA HARSHAD GONUGUNTA	ECE - A	Tech Mahindra	3L
7	11KN1A0429	JASWANTH CHADALAVADA	ECE - A	Tech Mahindra	3L
8	11KN1A0434	KAVITHA KUKKAPALLI	ECE - A	Tech Mahindra	3L
9	11KN1A0438	LAKSHMI DEEPA VEERUBHOTLA	ECE - A	Tech Mahindra	3L
10	11KN1A0444	LEENA SUNKARA	ECE - A	Tech Mahindra	3L
11	11KN1A0446	MEGHANA GANTIKAMPI	ECE - A	Sutherland	1.4L

12	11KN1A0451	MONIKA PILLI	ECE - A	Infosys	3.2L
13	11KN1A0454	MONIKA SATTINENI	ECE - A	Tech Mahindra	3L
14	11KN1A0456	NAGA SANTOSH RUPA NEELAM	ECE - A	Tech Mahindra	3L
15	12KN5A0408	JAGADISH GUNDAVARAPU	ECE - A	Efftronics	2.5L
16	11KN1A0463	PAVAN SRINIVAS KODALI	ECE - A	ELICO	1.5L
17	11KN1A0465	PRASANNA SK	ECE - A	Tech Mahindra	3L
18	11KN1A0466	PRAVEEN VISSAMSETTY	ECE - A	Tech Mahindra	3L
19	11KN1A0471	RAJEEVI NAGALAKSHMI UNNAVA	ECE - A	ELICO	1.5L
20	11KN1A0475	RAVINDRA MIRAMPALLI	ECE - A	ELICO	1.5L
21	11KN1A0477	S D NAGA SAI KUMARI GANGA	ECE - A	ELICO	1.5L
22	11KN1A0481	SAI MOUNIKA KONAKALLA	ECE - A	Tech Mahindra	3L
23	11KN1A0484	SAI SRINU AADI	ECE - A	Tech Mahindra	3L
24	11KN1A0488	SATYA MOUNIKA PRAKKI	ECE - A	NTT Data	3L
25	11KN1A0489	SHAHEEN SHAIK	ECE - A	ELICO	1.5L
26	11KN1A0491	SHONA SUSAN DANIEL T	ECE - A	Tech Mahindra	3L
27	11KN1A0492	SIVA KUMAR AYACHITULA	ECE - A	Tech Mahindra	3L
28	11KN1A0494	SOWJANYA DHUDDHUKURI	ECE - A	ELICO	1.5L
29	11KN1A0496	SRAVANI GOLLA	ECE - A	Tech Mahindra	3L
30	11KN1A0497	SREE HARI VISWANADHA	ECE - A	Value Labs	1.8L

31	11KN1A0498	SRI SAI RAGHAVENDRA SARAN MADDALI	ECE - A	Sutherland	1.4L
32	11KN1A04A0	SRINIVAS CHAKRAVARTHY POTLACHERUVU	ECE - A	ELICO	1.5L
33	11KN1A04A1	UDAY KUMAR KANULLA	ECE - A	Tech Mahindra	3L
34	11KN1A04A4	V.N.R.PRASANNA KUMAR NADELLA	ECE - A	NTT Data	3L
35	11KN1A04A5	VAMSI KHANNA PALLIKONDA	ECE - A	ELICO	1.5L
36	11KN1A04B0	VENKATA LAKSHMIKAR BAYANA	ECE - A	ELICO	1.5L
37	11KN1A04B1	VENKATA PHANI KOUSHIK KAPPAGANTULA	ECE - A	Infosys	3.2L
38	11KN1A04B4	VIJAY BABU KOMIRRIPALEM	ECE - A	eClerx	1.5L
39	11KN1A04B6	VIJAYA LAKSHMI KAPALAVAI	ECE - A	Hexaware	1.5L
40	11KN1A04B7	VINEESHA CHENNUPALLI	ECE - A	Tech Mahindra	3L
41	11KN1A04B8	VINOD KUMAR BACHU	ECE - A	ELICO	1.5L

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