



NALLA NARASIMHA REDDY

Education Society's Group of Institutions - Integrated Campus

(Approved by AICTE, PCI, New Delhi, Accredited by NAAC with 'A+' Grade, Affiliated to JNTU Hyderabad)
Near Narapally, Chowdariguda (V), Korremula 'X' Roads, Ghatkesar (M), Medchal-Malkajgiri Dist., Hyderabad, T.S. - 500 088.



UGC AUTONOMOUS INSTITUTION

www.nnrg.edu.in

SCHOOL OF ENGINEERING

*Department
of*

Electronics and Communication Engineering

NNRG EC Technocrats Ornate Report

NECTOR



**NALLA NARASIMHA REDDY EDUCATION
SOCIETY'S GROUP OF INSTITUTIONS
(AUTONOMOUS INSTITUTION)**

**DEPARTMENT
OF
ELECTRONICS & COMMUNICATION
ENGINEERING**



***NNRG EC Technocrats Ormate Report
NECTOR
2023-24
(NOV-DEC)***

SCHOOL OF ENGINEERING

INSTITUTE'S VISION AND MISSION

VISION : To be a premier institution ensuring globally competent and ethically strong professionals.

MISSION :

- To provide higher education by refining the traditional methods of teaching to make globally competent professionals
- To impart quality education by providing the state of the art infrastructure and innovative research facilities.
- To practice and promote high standards of professional ethics, transparency and accountability.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

VISION :

- ❖ To produce creative Electronics and Communication engineering graduates with cutting edge technology and Research to meet Industry and societal needs.

MISSION :

- ❖ To provide innovative learning environment to enable the students to face the challenges
- ❖ To provide value based education by promoting activities addressing societal needs
- ❖ To enable graduates to develop the skills to solve complex problems in multidisciplinary activities

EDITORIAL BOARD

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Dr. S. RAVICHAND, *Professor & Head*

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- ❖ **Ms. K. ANURADHA**, *Assistant Professor*
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- ❖ **Mr. KOUSTUBH KULKARNI**, *Assistant Professor*



DEPARTMENT OF ELECTRONICS &
COMMUNICATIONS ENGINEERING

EC Technocrats Ornate Report

NECTOR

2023-24

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1. SALIENT FEATURES

ABOUT ECE DEPARTMENT

Electronics is the branch of study that has revolutionized the life style of humanity. It is a pace setter and a prime mover behind the transition to a technological society. The field of Electronics and Communication Engineering encompasses all areas of human life. Radio, television, telephones, computers, automobiles, office machinery and house-hold appliances, lifesaving medical equipment and space vehicles represent a mere sample in the wide spectrum of application of Electronics.

In the age of satellite transmitted television and transcontinental computer network, the challenge and opportunities in this profession continue to mushroom. Electronics and Communication Engineering graduates have unlimited opportunities in the field of terrestrial and extra-terrestrial communication systems like telephones, cellular phones, television, optical fiber communication, consumer and entertainment devices. Highly rewarding and greatly satisfying opportunities await the Electronics and Communication Engineers in the field of satellite space programs, embedded technologies etc.

The Department of Electronics and Communication was started in the year 2009. It is a full-fledged academic department for emerging ECE engineers. B.Tech. (ECE) program was duly approved by the AICTE and affiliated to JNTU, Hyderabad. An intake of 60 was sanctioned initially and then it is raised to 180 from the year 2019. PG Programme in M.Tech with specialization VLSI & Embedded Systems is approved by AICTE for the academic year 2013-14, with an intake of 18. Faculty of the department are 30 in number out of them 8 are doctorates, and 10 faculty are pursuing their PhD. Younger faculty of the department is having more than 4 years of teaching experience. Department is having nine well equipped and spacious state-of-the-art laboratories. Seminars, Workshops and Technical Symposia are conducted in the department to keep faculty and students updated with latest developments in various technologies. The department is committed to provide students the opportunity to embark on a rewarding and exciting learning journey in preparation for a future career.

The Electronics & Communication Engineering (ECE) Department has built a reputation for excellence in teaching and service. Electronic engineers are changing the world to a comfortable global home. The information and technology revolution has been built on the advances of Electronics.

ECE is making exhilarating progress in areas ranging from microelectronics, mobile communications to VLSI Design Automation. In labs and classrooms, students draw on the expertise and knowledge of our faculty, integrating practical with challenging and interesting course-work. The team approach is very warm in the Department of ECE.

The software's and major Equipment that are available in the department are:

- Cadence EDA Tool
- MATLAB-2014b and Tool Boxes (Simulink, Image Processing, Communication, Signal Processing and Digital Signal Processing System)
- Spectrum Analyzer and Signal Generator
- OFDM trainer kit
- Digital Signal Processors Kits (TMS320C6713)
- Advanced RISC Machine Processor Kits (LPC2148)
- Xilinx SPARTAN 3E FPGA Boards
- Artix-7 FPGA kit, Zynq-7000 SoC kit
- Xilinx Vivado tool

2. DEPARTMENT EVENTS

➤ IETE Foundation Day

The department of ECE successfully conducted a program titled “IETE Foundation Day” to mark the day on which the IETE Forum was established for the benefit of students, faculty and researchers in the engineering society for the electronics, telecommunication and computer science related domains. It was conducted on **2nd November, 2023**.



Mr. PK Kulkarni, Associate Professor addressing the gathering



IETE Governing body along with Faculty Coordinators



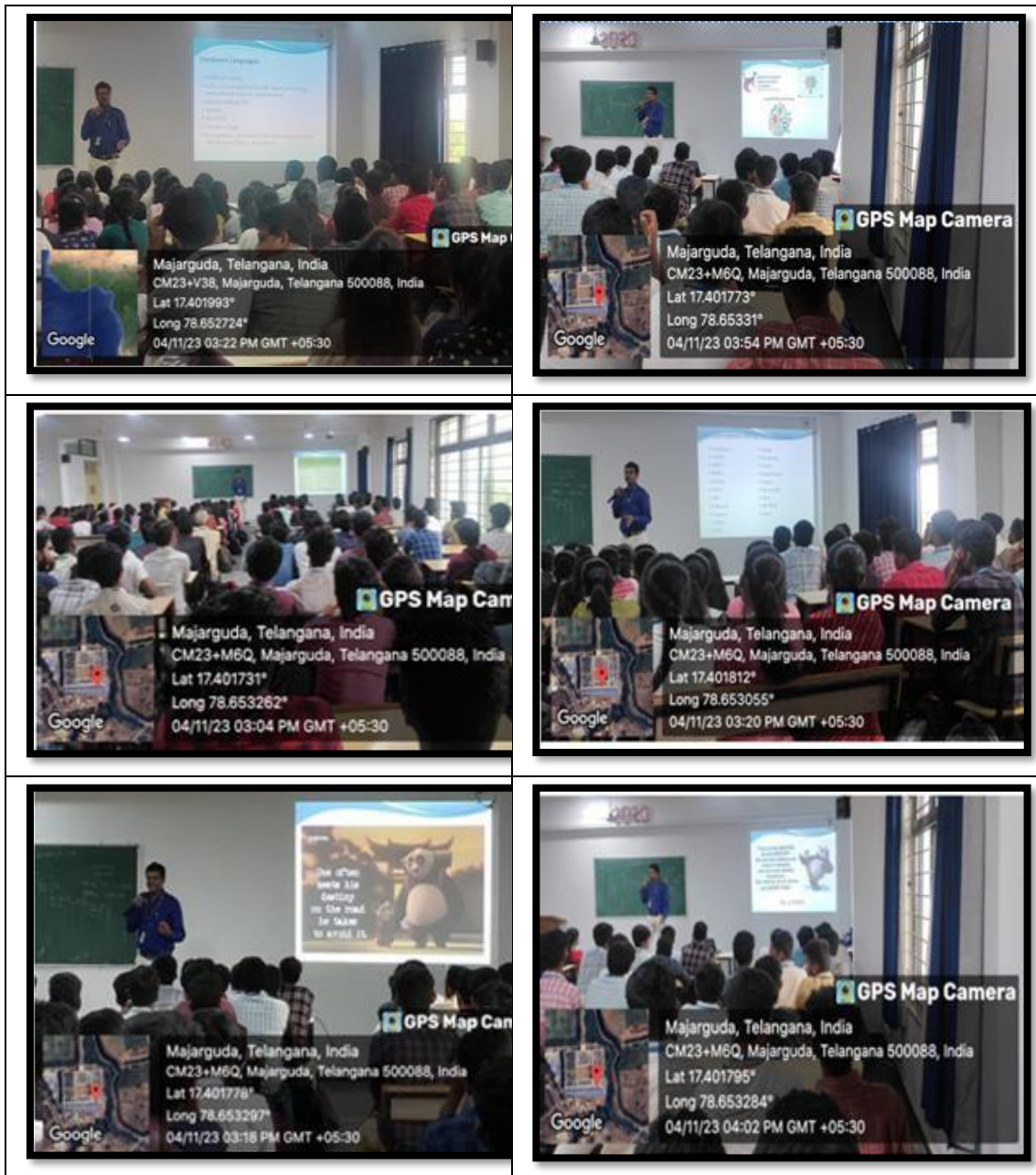
IETE Participants with Faculty members



Students displaying their projects

➤ Forging your way- A Motivational Session

Department of ECE successfully conducted a session on “**Forging Your Way**” for II B.Tech students on **4th November, 2023** in association with **IETE Student Forum**. The aim of this session is to provide an insight on how to plan a successful career for students, which is used for students to know the opportunities exist in the market, planning career and improving the skills to get job in the area of ECE. The session comprises of theoretical lecture delivered by the **Dr. S. Ravi Chand, Head of the Department ECE, NNRG.**



Dr. S. Ravi Chand, HoD, ECE motivating the students

➤ **Workshop on “Entrepreneurship Skill, Attitude and Behavior Development”**

As a part of Institution’s Innovation Council (IIC), Nalla Narasimha Reddy Group of Institutions organized a session on “Entrepreneurship Skill, Attitude and Behavior Development” by Prof. M.L. Sai Kumar, on 07th December 2023 . The session was started by Dr. G Janardhana Raju, the Dean School of Engineering & Convener of IIC, by welcoming the resource person Professor M L Sai Kumar. The Session started with an activity making the students understand the topic which was to be dealt. The motive behind this event is to spread the awareness regarding Entrepreneurship skill, Attitude and Behavior.



Professor M L Sai Kumar, Dean Academics (Retd.), Institute of Public Enterprise, Hyderabad interacting with the students



Biography of Dr (Mrs) Jyothi Reddy



Dr. G Janardhana Raju ,Dean SoE and Dr. T.Ravindra Reddy, Dean SoMS presenting Note books to Orphanage centres through Prof M L Sai Kumar



Professor M L Sai Kumar & Dr. G Janardhana Raju Dean SoE along with students

➤ **Alumni Reciprocation**

The Department of Electronics and Communication Engineering has conducted a unique program called as “Alumni Reciprocation” event for awareness of current working society to the nurturing engineers. This event typically aims to create a platform where alumni can come together to network, share experiences, and support each other in personal and professional endeavors.

Mr. B.Mukesh Reddy interacted with the students and gave motivational talk

regarding preparing for higher studies and placements. Students asked many questions regarding placements and the alumnus shared his views and thoughts to his best extent to them in a satisfactory way.

The function of Alumni Reciprocation-2023 was held at 11:00 A.M in the Conference Hall, Ground Floor, NNRESGI. The dignitaries present were Dr. C.V.Krishna Reddy Director, Dr. G.Janardhan Raju, Dean, SoE, Dr. S.Ravi Chand, HoD, ECE Dept, Mr. E. Mahindra, App-developer RRS Solutions, Hyderabad, Alumnus Mr. B. Mukesh Reddy, who is currently working as Full-stack developer at RRS Solutions, Uppal, Hyderabad. All the final year students with the faculty had attended the event.



*Dr. S. Ravi Chand, HoD, ECE
addressing the gathering*

*Dr. C V Krishna Reddy, Director
sir sharing his insights*

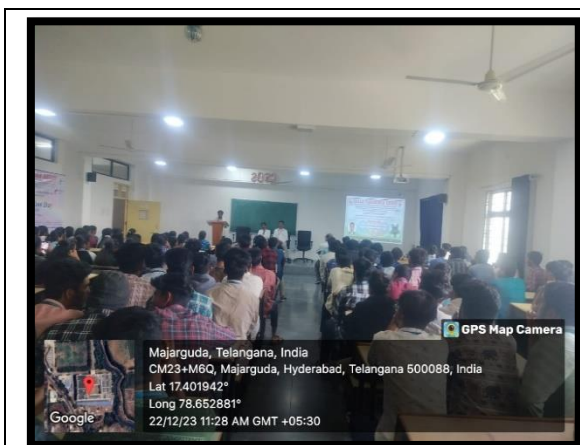
*Mr. E. Mahindra, Alumni student addressing
the gathering*

*Mr. B. Mukesh Kumar Reddy Alumni
student sharing his experience*

➤ **Role of Emotional Intelligence in Education**

The Lecture of Role of Emotional Intelligence in Education was held at 9:40 AM in the ECE Seminar Hall, Second Floor, NNRESGI. The dignitaries present were Dr. S. Ravi Chand, HoD/ECE Dept, Mr. P K Kulkarni Asst. Prof, staff and students of ECE department.

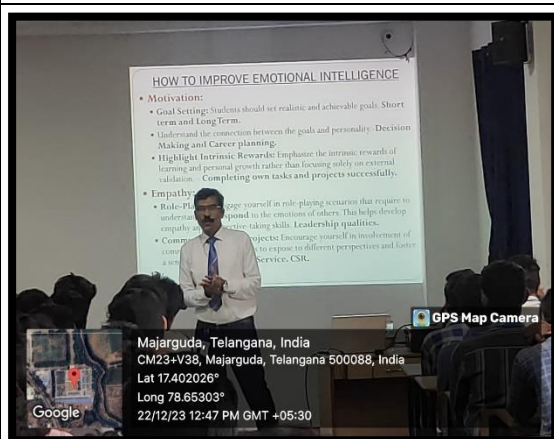
Prof. Krishna Mohan Chinnala, qualified Physiologist had interacted very actively with the students and gave motivational talk regarding emotional intelligence. Students asked many questions regarding decision making in real life issues and the professor shared his views.



Coordinator addressing the audience.



Prof. Krishna Mohan Chinnala, Dean School of Pharmacy sharing his thoughts.



Prof. Krishna Mohan Chinnala, interacting with the students



Mr. PK Kulkarni, Associate Professor while giving the Conclusion

➤ **Role of IPR in Creativity and Knowledge Economy**

Dr. Pavan Kumar Thimmaraju M Tech. PhD, Assoc. Professor interacted with students and gave talk about IPR, its importance and process of acquiring the intellectual property rights for innovative ideas. During the session, many of the students has asked the questions regarding IPR and knowledge economy. The resource person has answered them all in a satisfactory way.

The Lecture of Role of Emotional Intelligence in Education was held in the ECE Seminar Hall, Second Floor, NNRESGI. The dignitaries present were Dr.S.Ravi Chand, HoD/ECE Dept, Mr. P K Kulkarni Assoc. Professor , staff and students of ECE department.



Dr. Pavan Kumar Thimmaraju, Associate Professor addressing the gathering



Dr. Pavan Kumar Thimmaraju, interacting with the students



Mr. PK Kulkarni, Associate Professor delivering the Conclutory remarks



Dr. S Ravi Chand, HoD ECE and Mr. P K Kulakarni, presenting the Memoto to the Resource Person

➤ **INDUSTRIAL VISIT:-**
KANAHA SHANTHI VANAM.



Group photo with faculty members and students.

As a part Of IIC and Yoga club the ECE department visited Shantivanam on 26th November 2023.Nearly 130 students and faculty member Mr.K K Kulkarni were went .Duringour visit to Shantivanam, located in the vibrant city of Hyderabad, is a renowned spiritual retreat center that offers solace and tranquility to seekers of inner peace.

➤ PHYSITECH ELECTRONICS:

An industrial visit is a valuable component of a B.Tech curriculum as it provides students with practical exposure to the industry, enhances their understanding of theoretical concepts, and helps bridge the gap between academia and the professional world. Here's a guide on organizing an industrial visit.



Glimpse of the Industrial Visit

2.1. FACULTY DEVELOPMENT PROGRAMME

ATAL FDP on ARTIFICIAL INTELLIGENCE AND INTERNET OF THINGS

AICTE-ATAL sponsored Faculty Development Programme was conducted from 11th to 16th December 2023 for which 50 faculties had participated from various Institutions of Telangana, AP, Karnataka, Maharashtra.

11/12/23 MON	12/12/23 TUE	13/12/23 WED	14/12/23 THUR	15/12/23 FRI	16/12/23 SAT
09:30AM-10:00AM Inauguration	09:30AM-11:00AM Session-3 Dr.I.Earnest Paul Assistant Professor CSE NIT warangal	09:30AM-11:00AM Session -5 Prof.T.Ravi kanth Assistant Professor ECE IIIT Basar	Industrial visit	09:30AM-11:00AM Session -8 Dr.Kodali Prakash Assistant Professor ECE NIT,Warangal	09:30AM-11:00AM Session -10 Dr.S.Ravichand Head of the department NNRG,Hyderabad
10:00AM-11:30AM Session-1 Dr.T.Kishore Kumar Senior Professor ECE NIT,Warangal					
11:30AM-11:45AM BREAK	11:30AM-11:15AM BREAK	11:30AM-11:15AM BREAK	11:30AM-11:15AM BREAK	11:30AM-11:15AM BREAK	11:30AM-11:15AM BREAK
11:45AM-01:00PM Article Discussion	11:15AM-12:45PM Article Discussion	11:15AM-12:45PM Article Discussion	Industrial visit	11:15AM-12:45PM Article Discussion	11:15AM-12:45PM Article Discussion
01:00PM-02:00PM LUNCH	12:45PM-02:00PM LUNCH	12:45PM-02:00PM LUNCH	12:45PM-02:00PM LUNCH	12:45PM-02:00PM LUNCH	12:45PM-02:00PM LUNCH
02:00PM-03:30PM Session-2 Dr.R.S.SaiRam Director Limon FLIP solutions Hyderabad	02:00PM-03:30PM Session-4 Dr.I.Earnest Paul Assistant Professor CSE NIT warangal	02:00PM-03:30PM Session -6 Prof.T.Ravikanth Assistant Professor ECE IIIT Basar	02:00PM-03:30PM Session-7 Dr.Ravi Bolimera Assistant Professor NNRG,Hyderabad	02:00PM-03:30PM Session -9 Dr.C.V.Krishna Reddy Director NNRG, Hyderabad	02:00PM-03:30PM Session -11 Dr.G.Mallikarjuna rao Scientist F,RCI/DRDO Hyderabad
03:30PM-03:45PM BREAK	03:30PM-03:45PM BREAK	03:30PM-03:45PM BREAK	03:30PM-03:45PM BREAK	03:30PM-03:45PM BREAK	03:30PM-03:45PM BREAK
03:45PM-05:30PM Practical sessions/ labs	03:45PM-05:30PM Practical sessions/labs	03:45PM-05:30PM Practical sessions/ labs	03:45PM-05:30PM Practical sessions/ labs	03:45PM-05:30PM Practical sessions/ labs	03:45PM-05:30PM Feedback &Interactions Validity Session

The ATAL FDP inauguration was held on 11thDecember 2023 at 10:00 am in the Conference Hall of NNRG-School of Engineering. The Chief Guest of the program was Dr. T.Kishore Kumar(Senior Professor-ECE, NIT Warangal), and the Guest of Honors were Dr. C.V. Krishna Reddy(Director – NNRG),DR G. Janardhana Raju (Dean – School of Engineering, NNRG),

Dr. T. Ravindra Reddy (Dean – MBA, NNRG), Dr. Ch. Krishna Mohan (Dean – Pharmacy, NNRG), and the coordinator of the FDP was Dr. Ravi Chand (Professor and Head – ECE, NNRG). The FDP was commenced by welcome address delivered by Dr Ravi Chand followed by Deans of Pharmacy, MBA and Engineering addressed the gathering and shared the insights about college and the management. The chief guest of the program Dr. T.Kishore Kumar had delivered the inaugural speech and motivated the participants.



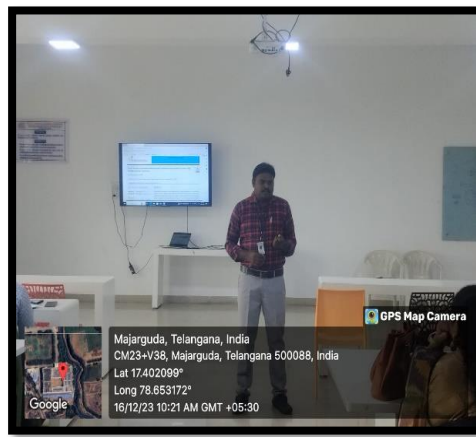
Dr. T Kishore Kumar, Senior Professor delivering the session.



Dr. I. Earnest Paul, Assistant Professor delivering the session



Prof. K.Ravi Kanth, Assistant Professor delivering the session



Dr.Ravi B, Assistant Professor delivering the session



Dr.G. Mallikarjuna Rao, Scientist F, delivering the session



Dr. Kodali Prakash, Assistant Professor delivering the session



Dr.C.V. Krishna Reddy, Director delivering the session



Dr. S. Ravi Chand, HoD and the Program Coordinator delivering the session



As a part of ATAL FDP -Industrial Visit is organised by ATAL Incubation Center-CSIR-Center for Cellular & Molecular Biology,Council of Scientific and Industrial Research,Ministry of Science & Technology



Group photo of the Participants along with delegates

3. FACULTY ACHIEVEMENTS

3.1 Received / Published Journal & Patent

- C V Krishna Reddy & K.Madhavi has received patent grant entitled “IOT ENABLED DEVICE FOR MONITORING OXYGEN AND BLOOD PRESSURE IN HUMAN BODY” with design number : 391226-001 on 26/07/2023 in the BioMedical Engineering
- S. Ravi Chand, published a paper, entitled “A Comprehensive Analysis of State-of-the-Art Transfer Learning Models for Remote Sensing Scene Classification” in International Journal of Intelligent Systems and Applications in Engineering:Volume.12 NO.1(2024), ISSN 2147-6799

3.2 Conferenece Proceeding

- K.Madhavi presented a paper on “Obstructive Sleep Apnea Detection using ECG Signal by Depth wise Separable Convolution Neural Networks” held at Lendi Institute of Engineering and Technology, Vizianagaram on 17 Dec 2023.
- Nitesh Gaikwad presented a paper on “Role of Dynamic Communication for IoT Devices” at the 2nd International Conference on Automation, Computing and Renewable Systems held at Mount Zion College of Engineering and Technology, Pudukkottai, Tamil. Naidu on 11-13 Dec 2023.

3.3 Achievements

- Mr.Ch Phanindra has secured PhD admission in JNTUH with the title Digital filter architecture based on modified winograd method and residue number system in the area of Digital signal processing.
- Nalla Lavanya, Assistant Professor has received NPTEL Mentor Certificate for “Programming, Data Structures and Algorithms using Python” from July to Dec 2023.
- AICTE-ATAL Academy sponsored Faculty Development Programme on “ARTIFICIAL INTELLIGENCE AND INTERNET OF THINGS “for building Signal Processing Applications” sanctioned with a financial support of 3,50,000/-, Dr. S Ravi Chand, Program Coordinator and Dr. B Ravi Co-Coordinator. The program was conducted during 11th to 16th of December 2023.

3.4 Faculty Development Programs attended and NPTEL certification

S. No	Name of the Faculty	Topic	Organization & Place	Duration (From - To)
1	Dr.S.Karthick	Introduction to Adaptive Signal Processing	FDP &NPTEL Certificate, IIT Madras	Aug- Oct 2023
		Simulation of Communication Systems Using MATLAB	FDP &NPTEL Certificate, IIT, Guhawati	Jul-Oct 2023,12 Weeks
2	Dr.V.Sravan Kumar	Quantum Signal Processing	Lakireddy Bali Reddy College of Engineering, Mylavaram, NTR District, in Association with IETE,Vijayawada	14 th -20 th Dec 2023
3	Mr.Alampally Aravind	Communication, Signal Processing and Advance Technologies for Next Generation Applications	Department of ECE, Budge Budge Institute of Technology, Kolkata, India in Collaboration with Department of ECE, National Institute of Technology Silchar, India in Association with IEEE SB(BBIT)	20 th -24 th Nov 2023
		Artificial Intelligence and Internet of things for Building Signal Processing	ATAL FDP at Nalla Narasimha Reddy Education Society's Group of Institutions	11 th -16 th Dec2023

		Applications		
		Emerging Trends in VLSI Device, Circuit & Circuit Design-A Practical Approach	Department of Ece RVR&JC College Of Engineering, Guntur0	09 th -11 th Nov 2023
4	Mrs.Madhavi. K	Artificial Intelligence and Internet of things for Building Signal Processing Applications	ATAL FDP at Nalla Narasimha Reddy Education Society's Group of Institutions	11 th -16 th Dec 2023
		Machine Learning and Deep Learning - Fundamentals and Applications	FDP & NPTEL Certificate, IIT Madras	Jul-Oct 2023, 12 Weeks
		International Workshop on Research Article Writing and Research Funding	Knowledge Research Academy, Coimbatore, Tamil Naidu	20 th Dec 2023
5	Mrs.Edavaluri Suneetha	Artificial Intelligence and Internet of things for Building Signal Processing Applications	ATAL FDP at Nalla Narasimha Reddy Education Society's Group of Institutions	11 th -16 th Dec 2023
6	Mr.Koustubh Kulkarni	Artificial Intelligence and Internet of things for Building Signal Processing Applications	ATAL FDP at Nalla Narasimha Reddy Education Society's Group of Institutions	11 th -16 th Dec 2023
7	Dr.Ravi Bolimera	Integrated IoT and machine learning methods for Smart Sustainable Cities	Vignans Foundation for Science Technology and Research	18 th -23 rd Dec 2023
8	Mr.K Ramesh	Artificial Intelligence and Internet of things for Building Signal Processing Applications	ATAL FDP at Nalla Narasimha Reddy Education Society's Group of Institutions	11 th -16 th Dec2023
9	Mr.Suresh Nalla	Artificial Intelligence and Internet of things for Building Signal Processing Applications	ATAL FDP at Nalla Narasimha Reddy Education Society's Group of Institutions	11 th -16 th Dec 2023
10	Mr.Rambabu Kambhampati	Artificial Intelligence and Internet of things for Building Signal Processing Applications	ATAL FDP at Nalla Narasimha Reddy Education Society's Group of Institutions	11 th -16 th Dec 2023
11		Communication, Signal Processing and Advance Technologies for Next Generation Applications	Department Of ECE, Budge Budge Institute of Technology Kolkata, India in Collaboration with Department of ECE, National Institute of Technology	20 th -24 th Nov 2023

			Silchar, India in Association with IEEEESB(BBIT)	
	Mrs.Lavanya Nalla	Artificial Intelligence and Internet of things for Building Signal Processing Applications	ATAL FDP at Nalla Narasimha Reddy Education Society's Group of Institutions	11 th - 16 th Dec 2023
		Emerging Trends in VLSI Device, Circuit & Circuit Design-A Practical Approach	Department of ECE RVR&JC College Of Engineering, Guntur	09 th -11 th Nov 2023
		IP Awareness/ Training National Intellectual Property awareness Mission	Intellectual Property Office, India	27 th NOV 2023
		Advanced Electronic System Design –Ideation and Prototyping	ATAL FDP at Guru Nanak Institutions Technical Campus	22 nd -29 th Dec 2023
12	Mr.Nagulancha Raju	Artificial Intelligence and Internet of things for Building Signal Processing Applications	ATAL FDP at Nalla Narasimha Reddy Education Society's Group of Institutions	11 th - 16 th Dec 2023
13	Mrs.Anuradha K	Artificial Intelligence and Internet of things for Building Signal Processing Applications	ATAL FDP at Nalla Narasimha Reddy Education Society's Group of Institutions	11 th -16 th Dec 2023
		Communication, Signal Processing and Advance Technologies for Next Generation Applications	Department of ECE, Budge Budge Institute of Technology Kolkata, India in Collaboration with Department of ECE, National Institute of Technology Silchar, India in Association with IEEE SB(BBIT)	20 nd -24 th Nov 2023
		Emerging Trends in VLSI Device, Circuit& Circuit Design-A Practical Approach	Department Of ECE RVR&JC College of Engineering, Guntur	09 th -11 th Nov 2023
		IP Awareness/Training National Intellectual Property awareness Mission	Intellectual Property Office, India	27 th NOV 2023
		Advanced Electronic System Design –Ideation and Prototyping	ATAL FDP at Guru Nanak Institutions Technical Campus	22 nd - 29 th Dec 2023
		Artificial Intelligence and Internet of things for	ATAL FDP at Nalla Narasimha Reddy Education Society's Group of	11 th -16 th Dec

14	Mrs V.V. Nandini	Building Signal Processing Applications	Institutions	2023
		Advanced Electronic System Design –Ideation and Prototyping	ATAL FDP at Guru Nanak Institutions Technical Campus	22 th -29 th Dec 2023
15	Mr.Boddupally Saidulu	Artificial Intelligence and Internet of things for Building Signal Processing Applications	ATAL FDP at Nalla Narasimha Reddy Education Society's Group of Institutions	11 th -16 th Dec 2023
16	Mr. Nitesh Gaikwad	Artificial Intelligence and Internet of things for Building Signal Processing Applications	ATAL FDP at Nalla Narasimha Reddy Education Society's Group of Institutions	11 th - 16 th Dec 2023
17	Mrs. Shiva Prasanna	Advanced Electronic System Design –Ideation and Prototyping	ATAL FDP at Guru Nanak Institutions Technical Campus	22 nd - 29 th Dec 2023
		Introduction to Internet of Things	FDP &NPTEL Certificate, IIT Madras	Jul-Oct 2023, 12 Weeks
		Emerging Trends in VLSI Device, Circuit& Circuit Design-A Practical Approach	Department Of ECE RVR&JC College of Engineering, Guntur	09 th -11 th Nov 2023
		Communication, Signal Processing and Advance Technologies for Next Generation Applications	Department of ECE, Budge Budge Institute of Technology Kolkata, India in Collaboration with Department of ECE, National Institute of Technology Silchar, India in Association with IEEE SB(BBIT)	20 nd -24 th Nov 2023
18	Mrs. Swetha Tarigoppa	Artificial Intelligence and Internet of things for Building Signal Processing Applications	ATAL FDP at Nalla Narasimha Reddy Education Society's Group of Institutions	11 th - 16 th Dec 2023
		Communication, Signal Processing and Advance Technologies for Next Generation Applications	Department of ECE, Budge Budge Institute of Technology Kolkata, India in Collaboration with Department of ECE, National Institute of Technology Silchar, India in Association with IEEE SB(BBIT)	20 nd -24 th Nov 2023
		Emerging Trends in VLSI Device, Circuit& Circuit Design-A Practical Approach	Department Of ECE RVR&JC College Of Engineering, Guntur	09 th -11 th Nov 2023
		Electromagnetic Theory	FDP &NPTEL Certificate,	Jul-Oct

			IIT Madras	2023, 12 Weeks
		Advanced Electronic System Design – Ideation and Prototyping	ATAL FDP at Guru Nanak Institutions Technical Campus	22 th -29 th Dec 2023

4. STUDENTS' ACHIEVEMENTS

4.1 STUDENTS PUBLICATIONS

S. No	Roll Number	Name of the Student	Title	Name of the Journal/ Conference	ISSN/ ISBN/ Publisher/ Accepted	Date
01	217Z5A0419	Manasa.P	IoT-Based Smart Key Finder For Smart Home Applications	Journal of Signal Processing		21 Dec 2023
	217Z5A0408	K.Pavan Kumar				
	207Z1A04A9	P.Mahesh				
2	207Z1A0427	C.Thirumala	Arduino-Based Home Automation System Using ESP8266 Wi-Fi Module	Journal of Embedded Systems and Processing		28 Nov 2023
	207Z1A0449	G.Hemakanth				
	207Z1A0450	G.Umesh chandra				
3	207Z1A04C7	T.Pooja	Laser-Based Security System Using Arduino for Agriculture Applications	Journal of IoT Security and Smart Technologies	ISSN: 2583-6226	06 Dec 2023
	207Z1A04C6	T.Vikranth				
	207Z1A04C4	T.Ediga Sessa Mahesh Goud				
4	207Z1A0413	B.Hindupriya	Implementation of Area Efficient Carry Select Adder using Binary to Excess1 Code	Journal of VLSI Design and Signal Processing	ISSN: 2581-8449	05 Dec 2023
	207Z1A0412	B.Anand				
	207Z1A0451	G.Chandra Vardhan Reddy				
5	207Z1A0428	Ch.Chaitanya	Design & Implementation of Energy Efficient approximate three operand binary adders	Springer	Accepted	11& 12, Dec, 2023
	207Z1A0435	D.Sahithi Sai				
	207Z1A0451	G.Chandra vardhan Reddy				
6	207Z1A0443	E.Nikitha Reddy	Optimized CLA Design for High-Speed Performance in Low Power VLSI Applications	Journal of VLSI Design & Signal Processing	ISSN: 2581-8449	Dec, 2023
	207Z1A0442	Manvitha.D				
	207Z1A0440	Goureeswar Reddy				

4.2 EXTRA-CURRICULAR ACTIVITIES

List of students has participated in the two days hands-on workshop on **Exploring the art of PCB.Design** during 8th -9th Dec 2023 jointly organized by the Electronics Club and the IETE Student Forum of the Department of Electronics and Communication Engineering, University College of Engineering(A), Osmania University

S.No	Roll Number	Name
1	227Z1A04C6	Pallavi Vuppala
2	227Z1A04C7	Manisha Reddy
3	227Z1A0489	Akshya
4	227Z1A04B3	Nami Reddy Mouni
5	227Z1A04A8	Mohammed Afreen
6	227Z1A04D0	Charan Tej

List of students has participated in **Roboveda'23** in the event **Yoddha** during 20th-22nd Nov 2023 at Sreenidhi Institute of Science and Technology

S.No	Roll Number	Name of the Student
1	207Z1A0421	D.Rafi
2	207Z1A0448	K.Vishnu
3	207Z1A0449	K.Varun
4	227Z1A0488	Kotha.Prashanth

- Shiva Sevarthi bearing Roll Number 217Z5A0421 has participated in NES-2023, a workshop on Nanotechnology & Embedded System organized by the Department of Electronics Engineering at silicon Institute of Technology, Bhubaneswar in association with Sevyta Multimedia, from 30thNov-02ndDec 2023

5.RESULTS : B.TECH -II YEAR II SEM EXAMINATION

Rank	Roll No	Name of the Student	SGPA
I	227Z5A0472	S Pavan Kalyan	9.19
II	227Z5A0454	M Shivani	8.86
II	227Z5A0478	T Nikhitha	8.86
III	217Z1A0499	Y Bhargavi	8.81
III	217Z1A04A3	B Ajay Reddy	8.81
III	227Z5A0469	R Shruthi	8.81

6. EVENTS

➤ BLOOD DONATION CAMP-Organized by NSS Unit, NNRG

Organizing a blood donation camp is a noble and impactful initiative that can save lives. Clearly define the objectives of the blood donation camp. Understand the purpose, whether it's raising awareness about the importance of blood donation, collecting a specific number of units, or supporting a particular cause.

The NSS Unit of NNRG has organized a Blood Donation Camp on 08th November, 2023 in Association with Osmania General Hospital. 38 Students had donated their blood and they provided with refreshments after the procedure which include glucose drinks, biscuits and fruits as well as certificates.



Glimpse of Blood Donation Camp

List of students participated in Blood Donation Camp

S.No.	Roll Number	Name
1	207Z1A04A5	PATHIPATI NITHESH
2	207Z1A0458	GUGULOTHU NAVEEN NAIK
3	207Z1A0485	MAKAM YESHWANTH
4	207Z1A04A2	PANUGANTI SWAROOP REDDY
5	207Z1A04A1	PALUSA MURARI GOUD
6	207Z1A0489	MARENAGARI ROHITH VARDHAN
7	217Z1A0410	BARAJU VINAY KUMAR
8	217Z1A0484	SAI TEJA MANDA
9	227Z5A0422	CHOLLANGI SAI KIREETI

10	227Z5A0413	BATHINI ARUN KUMAR
11	217Z1A0469	NANDI SHASHANK
12	217Z1A0491	TELLA SHIVAJI REDDY
13	227Z5A0426	DONTHAGOUNI VAIBHAV GOUD
14	227Z5A0443	KOTHAGATTU RITESH
15	227Z5A0449	MADITHATI NANDA KISHORE REDY
16	227Z5A0429	G MANISH
17	227Z5A0468	PASULA SHYAM SUNDER
18	227Z1A0428	CHALLA VEDAVYAS
19	227Z1A0413	BAIROLLU HEMANTH KUMAR
20	227Z1A0414	BALTHA ABHISHEK
21	227Z1A0408	ANUGUTHALA MAHENDAR
22	227Z1A0464	JAI SAGAR KADAMANCHI
23	227Z1A0441	DEVARA YASHWANTH
24	227Z1A0446	DIDDI RUTHVIK
25	227Z1A0457	GOKAN SAI PRANEETH GOUD
26	227Z1A0452	ERUMALLA RAKESH
27	227Z1A0467	JEEDIMADLA VENU PRASAD REDDY
28	227Z1A0439	DAMERA YASHWANTH
29	227Z1A04F1	RENDLA SATHWIKA
30	227Z1A04G8	TETALI POOJITHA REDDY
31	227Z1A04F0	RAVULAPALLI BHARGAVI
32	227Z1A04I4	VIDHYA SREE BANTU
33	227Z1A04F9	SEELAM SREE RAMA DEVI
34	227Z1A04I8	WARLE PAVAN
35	237Z5A0406	GADDAM VENU
36	237Z5A0407	GANGANABOINA SHIVA KUMAR
37	237Z5A0418	SHEIK KHADEER
38	237Z5A0420	TUMMA VIKRAM REDDY

➤ **PERSONALITY DEVELOPMENT AND MENSTRUAL HYGIENE**

As a part of Women Cell in association with ISTE, IIC & Yoga & Meditation Club organized a seminar on Personality Development and Menstrual Hygiene was shared by Ms. Razinder Kaur, Consultant HR (Recruitment), KPIT Technologies Limited , Hyderabad on 29 November 2023.



Glimpses of women cell members, students and Ms. Razinder Kaur

➤ ELITE GATHERING

As a part of Elite Gathering (Public Speaking Club) our student delivered his speech on the following topics

- 1.The power of youth voters on democracy.
- 2.Impact of War on Humanity on 24 November 2023



Group photo with faculty members and students



K.shashi Kumar delivering his speech

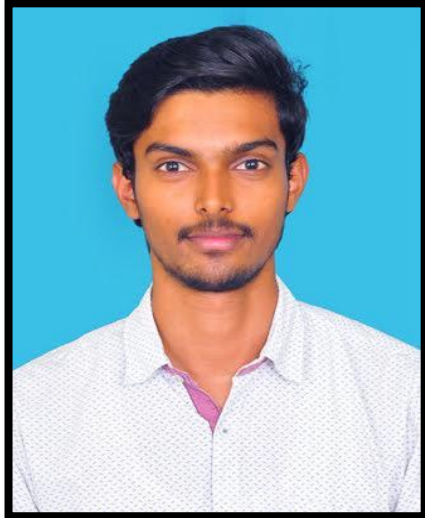
➤ FRESHERS' DAY

A freshers' party in a B.Tech college is a common event organized to welcome new students to the college and help them get acquainted with their peers, seniors, and the overall college environment. The purpose of the party is to create a friendly and welcoming atmosphere, allowing new students to socialize, make new friends, and feel a sense of belonging.



Glimpse of Fresher's Party

7. Alumini



Hello, I'm Adithya Prasad from ECE dept, 2021 passed out. Currently working in Quadrant Solutions as a Data engineer for Microsoft project. To be honest my college life was a turning point for me. The entire four years of my graduation was like an opportunity for me to paint my future. I remember all those assignments, lectures, Viva, projects, attendance, insem, endsem, placements too much but I will miss people whom I met here all the memories with them good or bad, bitter or sweet whatever it's now a part of me. Technically NNRG made me more potent, profound, independent and participating in fests and events was really a fun and now this made me very confident to face challenges. Unfortunately, pandemic took away 2 years of college life but last few months were the most beautiful days of my college life.



Hello, I'm Mounika Komati Shetty from ECE dept, 2021 passed out. Currently working in Folik Technologies as a Physical design engineer for Dorstar project. To be honest my college life was a turning point for me. The entire four years of my graduation was like an opportunity for me to paint my future. I remember all those assignments, lectures, Viva, projects, attendance, insem, end Sem, placements too much but I will miss people whom I met here all the memories with them good or bad, bitter or sweet whatever it's now a part of me. Technically NNRG made me more potent, profound, independent and participating in fests and events was really a fun and now this made me very confident to face challenges. Unfortunately, pandemic took away 2 years of college life but last few months were the most beautiful days of my college life.

WISHING YOU ALL SUCCESS AND GOOD HEALTH!



