

ELECTROZ

NEWSLETTER 2022-2023

VOL. 7, JULY 2023



Department of Electrical & Electronics Engineering

ANDHRA LOYOLA

INSTITUTE OF ENGINEERING AND TECHNOLOGY: Vijayawada-08

(Accredited by NAAC & NBA, Affiliated to JNTU Kakinada)



"A Fire that kindles other fires"



ELECTROZ

Create. Enhance. and Sustain.

NEWSLETTER (2022-2023)

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
ANDHRA LOYOLA INSTITUTE OF ENGINEERING & TECHNOLOGY**

Message from Head of Department



Greetings from the Department of EEE, ALIET! It gives me immense pride and pleasure to lead the Department of EEE of this esteemed institution. The field of Electrical and Electronic Engineering encompasses many technologies such as power systems, electrical machines, control systems, electromagnetic theory, and computer methods employed in all these areas, which have been among the fastest growing and most challenging technologies that enable the development of the modern world.

ELECTROZ aims to inform you the research activities, new initiatives, and achievements of faculty & students of the department. The students of the department get opportunities to excel in their academic area. As the future of the technocrats holds many challenges, the department strives to transform the students into intellectuals by going beyond academics.

We welcome you to connect with us with your expertise and encourage us to excel in our endeavour. I hope you will join us in celebrating our journey towards excellence.

Dr. G. Naveen Kumar

(HOD - EEE)



Vision and Mission

Institute Vision:

In accordance with the Jesuit vision of higher education, ALIET imparts technical education in the realm of higher education with integral formation which involves academic excellence, spiritual growth, social commitment and value-based leadership.

Institute Mission:

The mission of Jesuit education at ALIET is to form “men and women for others” and mould them as global citizens with competence, conscience and compassionate commitment. Special concern is shown towards socially and economically marginalized students.

Department Vision:

To mould the students as efficient Electrical & Electronics Engineers by providing quality education with skills and character to serve the society.

Department Mission:

M1- To provide high quality teaching and services that render the students a supportive environment.

M2- Making the effort to mould the students to be the problem solvers and to be able to apply engineering principles to electrical systems.

ABOUT THE DEPARTMENT:

The Department of EEE has been offering a full time four year B.Tech Degree course since the inception of the institution. The department is provided with all required infrastructural facilities like well-equipped laboratories, well qualified & dedicated faculty and technically sound supporting staff. It is continuously striving to impart quality education and competitive spirit among students for academic excellence. Many of our students' technical papers have been published in various national & international technical symposiums. The Department offers placements in various Multi National Companies and Core companies. Also, the department has been accredited by NBA.

Program Outcomes:

- PO1:** An ability to apply knowledge of mathematics, science, and engineering
- PO2:** An ability to design and conduct experiments, as well as to analyze and interpret data.
- PO3:** An ability to design a system, component, or process to meet desired needs within realistic Constraints such as economic, environmental, social, political, ethical, health and safety. Manufacturability and sustainability
- PO4:** An ability to function on multi-disciplinary teams
- PO5:** An ability to identify, formulate, and solve engineering problems.
- PO6:** An understanding of professional and ethical responsibility.
- PO7:** An ability to communicate effectively.
- PO8:** The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.
- PO9:** A recognition of the need for, and an ability to engage in life-long learning.
- PO11:** An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
- PO12:** To provide the students with a profound knowledge in the areas of production and manufacturing.

Program Specific Objectives:

PSO1: To understand growing and increasing demands of electrical related technology and design appropriate cost effective solutions through hardware and simulation.

PSO2: To cater to new challenges in generation and utilization of renewable energy systems for a green tomorrow.

Program Educational Objectives:

Program educational objectives are broad statements that describe the career and professional accomplishments that the **program** is preparing graduates to achieve.

Program Educational Objective - I

Graduates shall have a solid foundation in Mathematics, Science, Electrical, Electronics and allied engineering applications, capable of analyzing, design and development of systems for Energy Generation, Transmission, Distribution, Operation and Control.

Program Educational Objective - II

To develop engineers with broad perspective and orientation to work for the electrical equipment manufacturing industries in the fields of electrical machines, drives and controls.

Program Educational Objective - III

To train the students with strong background knowledge in electrical engineering sciences for research and higher education & to increase the capabilities of students to face competitive exams.

Program Educational Objective - IV

To develop engineers with broad perspective and orientation to work in the area of Non-conventional energy resources with social and environmental concern.

Academic Year 2022-2023

Regular class work commenced from 18th Aug 2022 to all the II, III and IV B.Tech students with lot of enthusiasm. Special care has been taken in this academic year by the faculty for obtaining maximum results and for contributing for the all-round development of the students.

Teaching Faculty Members:

- Dr. G. Naveen Kumar, Professor, **HOD**
- Dr. M. Ajay Kumar, Associate Professor
- Mrs. V. Anantha Lakshmi, Assistant Professor
- Mr. G. Gantaiah Swamy, Assistant Professor
- Mr. L. Karunakar, Assistant Professor
- Mr. T. Krishna Mohan, Assistant Professor
- Mr. M. Rama Krishna, Assistant Professor
- Mr. M Ramesh Kumar, Assistant Professor
- M.r D Ravi Kiran, Assistant Professor

Non-Teaching Faculty:

- Mr. S. Shekar Babu
- Mr. S. Siva
- Mr. K. Venu Babu

Students Details:

Year & Branch	Student Strength
IV-EEE	67
III-EEE	62
II-EEE	46

ACADEMIC TOPPERS

I B. Tech II Semester Regular Examinations, April – 2019

1. Mr. **J.Amareswara Rao**, 21HP1A0235 secured **FIRST** rank with a SGPA of 8.0.



2. Ms. **K.Jasmitha**, 21HP1A0206 secured **SECOND** rank with a SGPA of 7.62.



3. Ms. **M.Bhargavi**, 21HP1A0201 secured **THIRD** rank with a SGPA of 7.54



II B. Tech II Semester Regular Examinations, April – 2019

1. Ms. **V.Sri Lakshmi**, 21HP5A0205 secured **FIRST** rank with a SGPA of 8.5.



2. Mr. **K.Naveen Reddy**, 20HP1A0232 secured **SECOND** rank with a SGPA of 8.40.



3. Mr. **K.Indra Pavan Kumar**, 21HP5A0216 secured **THIRD** rank with a SGPA of 8.40



III B. Tech II Semester Regular Examinations, April – 2019

1. Ms **P.Jahnavi**, 20HP5A0202 secured **FIRST** rank with a SGPA of 7.85.



2. Mr. **V Naveen**, 19HP1A0226 secured **SECOND** rank with a SGPA of 7.71



3. Ms. **G Bharathi**, 20HP5A0201 secured **THIRD** rank with a SGPA of 7.57.



4. Mr. **K.Jayaram**, 20HP5A0214 secured **THIRD** rank with a SGPA of 7.57



III B. Tech I Semester Regular Examinations

1. Ms. **Ch.Laya Mudili**, 20HP1A0202 secured **FIRST** rank with a SGPA of 8.37



2. Ms. **P.Kumidini**, 20HP1A0205 secured **SECOND** rank with a SGPA of 8.16



3. Mr. **K.Indra Pavan Kumar**, 21HP5A0216 secured **THIRD** rank with a SGPA of 8.12



IV B. Tech I Semester Regular Examinations

1. Ms. **G Bharathi**, 20HP5A0201 secured **FIRST** rank with a SGPA of 7.9.



2. Mr **D Sunil**, 20HP5A0227 secured **SECOND** rank with a SGPA of 7.8



3. Mr. **M Karthik**, 20HP5A0215 secured **THIRD** rank with a SGPA of 7.75



II B. Tech I Semester Regular Examinations

1. Ms. **B Kalpana**, 22HP5A0202 secured FIRST rank with a SGPA of 8.34



2. Ms **K.Jasmitha**, 21HP1A0206 secured second rank with a SGPA of 8.07



3. Mr **M.G.Abbas**, 21HP1A0224 secured THIRD rank with a SGPA of 7.98



Workshops/FDPs Attended by Faculty

- One week Faculty Development Program on “Machine Learning with Python” attended by **Dr. G. Naveen Kumar**, Professor & HoD



- Faculty Development program attended by **Mr M Rama Krishna on MATLAB.**



➤ Certificates of Online Faculty Development Programs attended by **Mr T Krishn Mohan**



➤ Certificates of Online Faculty Development Programs attended by **Mr M Ramesh Kumar**



➤ Certificates of Faculty Development Programs attended by **Dr M Ajay Kumar**



➤ Certificate of Faculty Development Program attended by **Mr L KARUNAKAR**



- Certificate of Online Faculty Development Program attended by **Mrs. V. Anantha Lakshmi**



- Certificates of Online Faculty Development Program attended by **Mr. G. Gantaiah Swamy**



Publications in Journals & Conferences by the faculty:

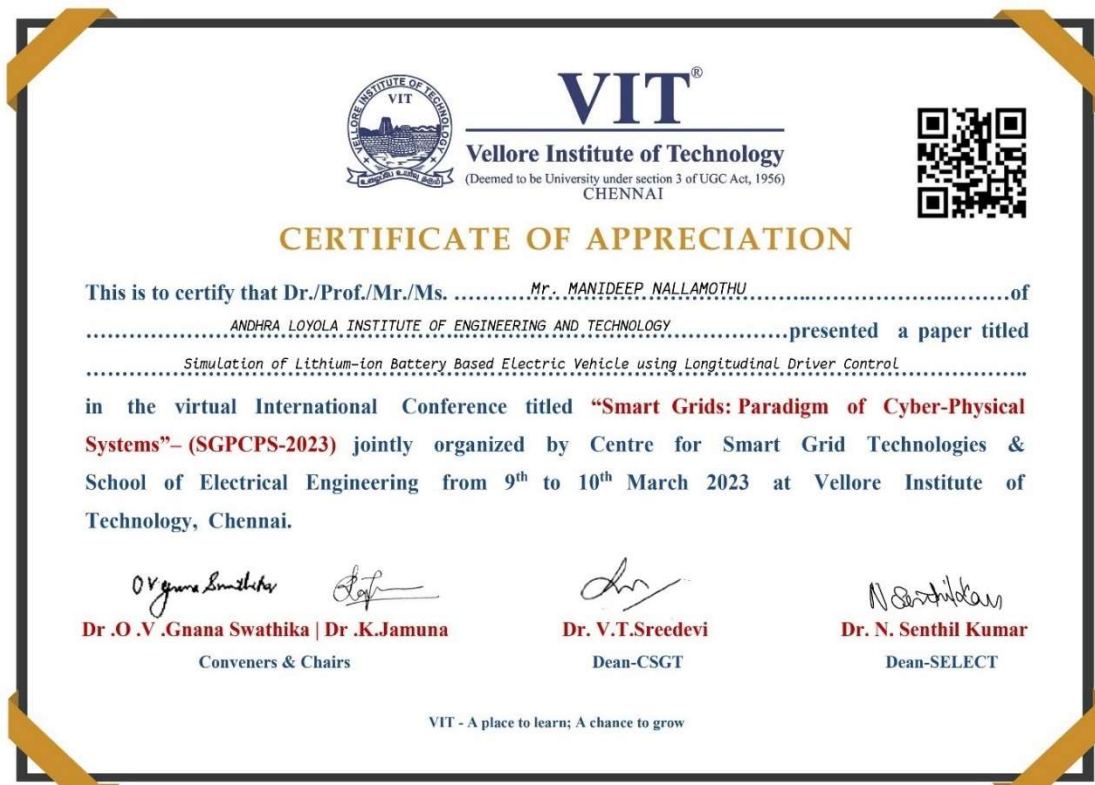
- **Dr. G. Naveen Kumar** presented a paper titled “Oscillating Water Column as Clean Energy Source for Sustainable Power Generation” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai
- **Dr. G. Naveen Kumar** presented a paper titled “Fault Over-Ride and minimization of losses in PV Integrated Transmission Network using STATCOM” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”-(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai.
- **Dr.M. Ajay Kumar** presented a paper titled “Simulation of Lithium-Ion Battery Based Electric Vehicle with Longitudinal Driver Control”, in virtual international conference titled “**Smart Grids:Paradigm of Cyber Physical Systems**”(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai.
- **Mr. Gantaiah Swamy Garika** published a paper titled with Machine Learning -Wavelet Protection Analysis for SVC Controlled Wide Area Network in Presence of Wind Energy Source in INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH, Vol.13, No.1, March, 2023.

Publications in Journals & Conferences by the students:

- **Mrs A SINDHURI REDDY** presented a paper titled “Fault Over-Ride and minimization of losses in PV Integrated Transmission Network using STATCOM” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”-(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai
- **Mrs T TEJASWINI** presented a paper titled “Fault Over-Ride and minimization of losses in PV Integrated Transmission Network using STATCOM” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”-(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai
- **Mrs S LALITHA SRI** presented a paper titled “Fault Over-Ride and minimization of losses in PV Integrated Transmission Network using STATCOM” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”-(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai

- **Mrs D SIVA LEELA** presented a paper titled “Fault Over-Ride and minimization of losses in PV Integrated Transmission Network using STATCOM” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”-(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai
- **Mrs GORIPARTHI VEERA NAGA C** presented a paper titled “Fault Over-Ride and minimization of losses in PV Integrated Transmission Network using STATCOM” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”-(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai
- **Mr P MANOJ VENKAT** presented a paper titled ““Oscillating Water Column as Clean Energy Source for Sustainable Power Generation”” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”-(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai
- **Mr VASANTH PRAKASH SUDARSANAM** presented a paper titled “Oscillating Water Column as Clean Energy Source for Sustainable Power Generation” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”-(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai
- **Mr A HARISH** presented a paper titled “Oscillating Water Column as Clean Energy Source for Sustainable Power Generation” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”-(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai.
- **Mr MANIDEEP NALLAMOTHU** presented a paper titled “Simulation of Lithium-Ion battery based Electric Vehicle using Longitudinal Driver Control” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”-(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai.
- **Mr KARTHIK MULLANGI** presented a paper titled “Simulation of Lithium-Ion battery based Electric Vehicle using Longitudinal Driver Control” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”-(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai.

- **Mr A AVINASH** presented a paper titled “Simulation of Lithium-Ion battery based Electric Vehicle using Longitudinal Driver Control” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”-(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai
- **Mr MOHAMMED YASIN** presented a paper titled “Simulation of Lithium-Ion battery based Electric Vehicle using Longitudinal Driver Control” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”-(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai
- **Mr P.S.S.R LOKESH** presented a paper titled “Simulation of Lithium-Ion battery based Electric Vehicle using Longitudinal Driver Control” in virtual international conference titled “Smart Grids:Paradigm of Cyber Physical Systems”-(SGPCPS-2023) organized by centre for smart grid technologies and school of electrical engineering from 9th to10th march 2023 at VIT,Chennai



WORKSHOPS ATTENDED BY STUDENTS

1. Advanced Digital System Design Using VERILOG HDL

The department of Electrical and Electronics Engineering organized One Day Hands on Workshop on “Advanced Digital System Design Using Verilog HDL”, on 24th August 2022 in association with Centre for Smart Grid Technologies, School of Electrical Engineering VIT. The Resource Persons for this workshop are Dr. O V Gnaana Swathika, Dr. K Jamuna. This workshop is very helpful for the students for enhancing their knowledge in Verilog Modelling Styles, Verilog Module and Test Fixtures, Combinational Circuits and Sequential Circuits which is the advanced version of the “Digital Electronics lab”. In Digital Electronics lab the students will do the checking of Gates on Hardware Kits where as in, with the help of “Verilog Model Software” we can check in online with coding.



2. Industrial Training Program on “Keil and ARM Processors”

The department of Electrical and Communications Engineering organized a Seven Months Industrial Training Program on “Keil and ARM Processors”, from 16th September 2022 to 23th March 2023. Mr.S. Bhavani Shankar, Executive Manager & Head-IoT, Efftronics Systems Pvt. Ltd., acted as Resource Person. Rev. Fr. D Balaswamy, S.J., Assistant Director of ALIET, Dr. O. Mahesh, Principal and Mr. M. Rama Krishna, HOD ECE are the Guests for this Training Program. Mr. M. Rama Krishna and Mr.G. Vijay Kumar, Assistant Professors are the Coordinators of this Training Program. From EEE department 11 students have attended for this training program.



ALIET INSTITUTE OF ENGINEERING AND TECHNOLOGY
FAITH, EXCELLENCE, SERVICE

Efftronics
To provide insight for enhancing wealth

ECE

KEIL & ARM PROCESSOR TRAINING PROGRAM

Drives you to Industry

ALIET & Efftronics Systems Pvt Ltd Collaboratively Offer :

- The High quality practical/ application oriented training
- Industry Accepted course content
- Internship certificate

Training process

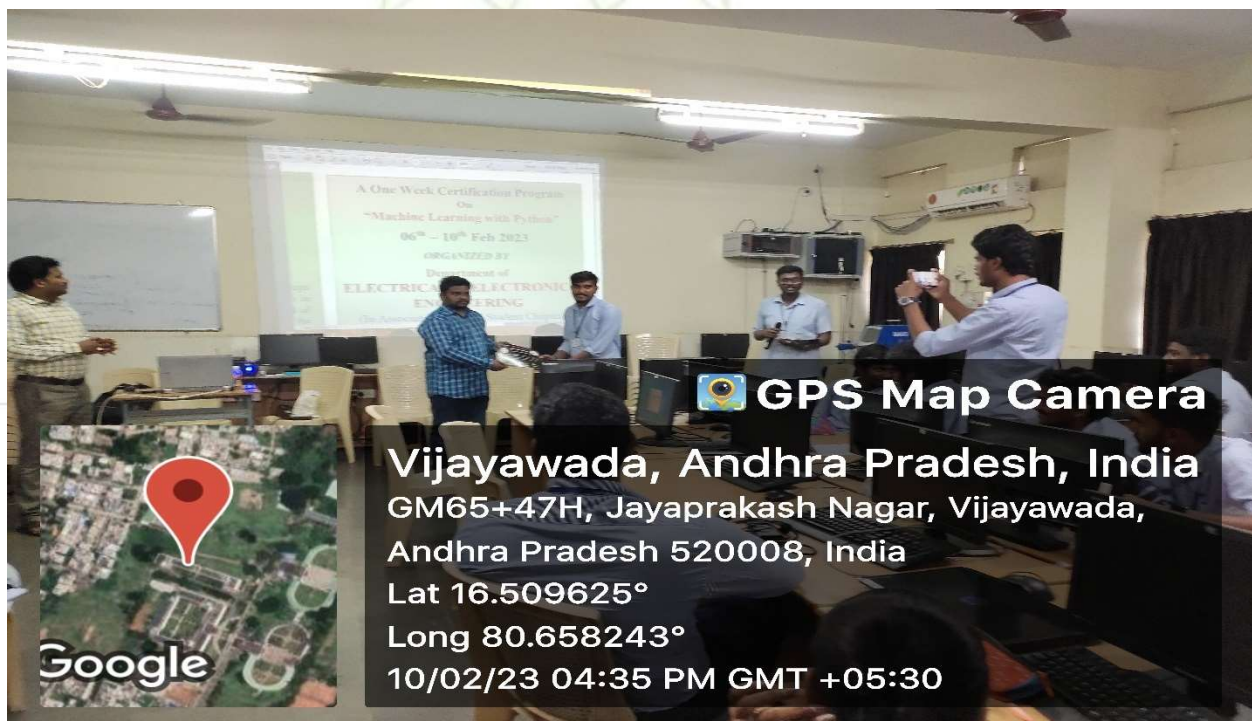
TRAINING PROGRAM

C LANGUAGE SENSOR SYSTEMS DIGITAL ELECTRONICS LPC1114 MICRO CONTROLLER

Advanced but simple course content
Proven Methodology
6-Days a Week(60 to 90 minutes)Modulewise theory &

3 Machine Learning with Phyton

The department of Electrical and Electronics Engineering organized A One Week Certification Program On “Machine Learning with Python”, from 06-02-23 to 11-02-23 In Association with IEE-Student Chapter and in collaboration with Smart Innovative Technologies & solutions. Mr.J. SARADHI, acted as Resource Person. He explained about importance of Machine Learning and classification, Algorithms involved of Machine Learning based on the given data and also on the target variable. The algorithms Learned and Hands on practice by the students are Linear Regression, Logistic Regression Decision Tree, Random Forest etc.



4. Workshop on Electric Vehicle Design:

The department of Electrical and Electronics Engineering conducted a three day Workshop on 27th to 28th Feb 2023, on “**Electric Vehicle Design**” in Association with IEI-Student Chapter and in collaboration with **SKILL Dzure**. Nearly 130 students were from Mechanical Department and Electrical & Electronics Engineering Department were participated in the workshop. **MR. VENKATA MANIKIRAN**, Electric Vehicle & Automobile Professional was the resource person for this programme.

This course initiates candidates into the emerging area of Electric Vehicles and helps learn the Basics of Battery driven Electric Vehicle and its Dynamics, Motors, Power Electronics, Batteries, Charging etc.

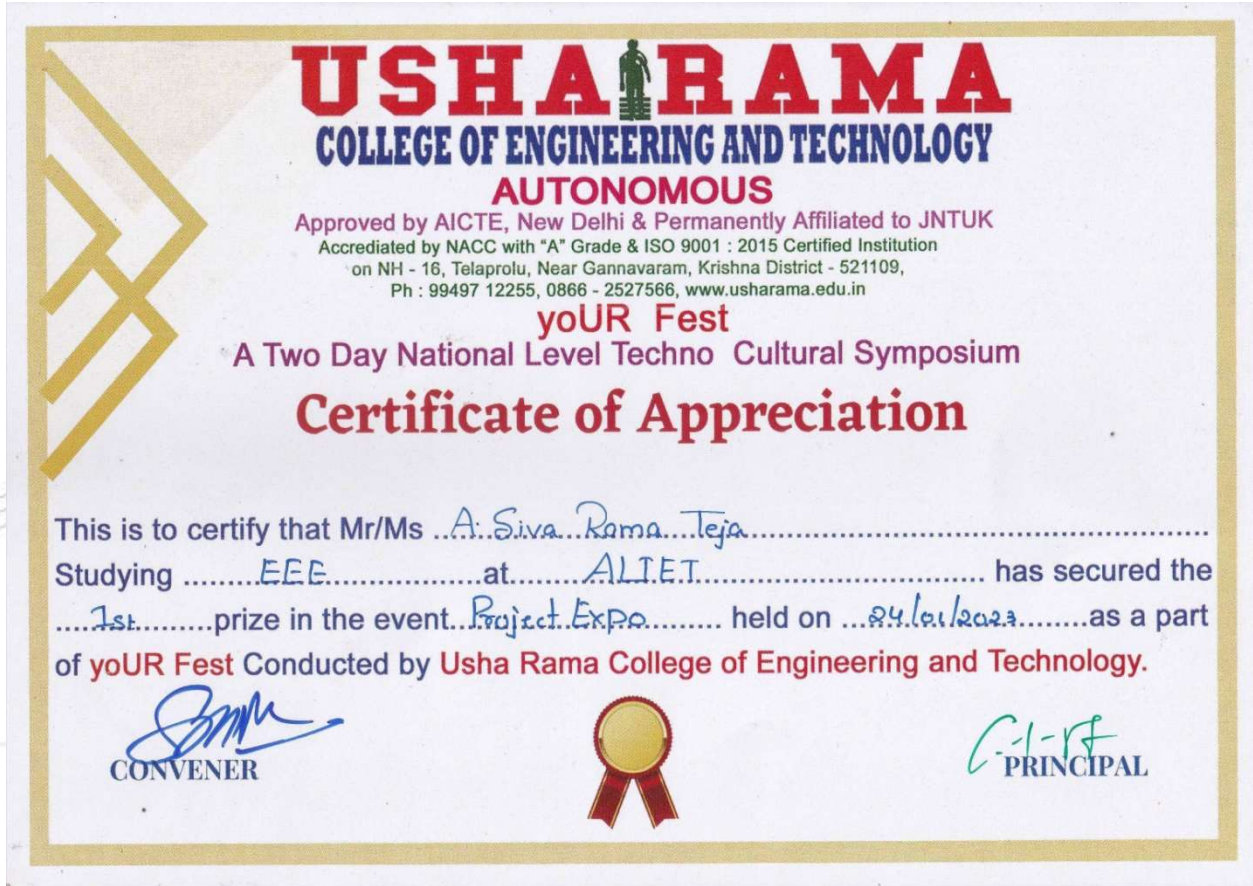


STUDENT PARTICIPATIONS

S.No	Name of the Student	Name of the College	Date of Participation
1	P.Kumidini (III EEE)	V.R.Siddhartha Engineering College (TECHNICAL FEST E-VERSE)	28 th October 2022
2	P.Vasavi (III EEE)	V.R.Siddhartha Engineering College (TECHNICAL FEST E-VERSE)	28 th October 2022
3	T.Gowthami (III EEE)	V.R.Siddhartha Engineering College (TECHNICAL FEST E-VERSE)	28 th October 2022
4	V.Supriya (III EEE)	V.R.Siddhartha Engineering College (TECHNICAL FEST E-VERSE)	28 th October 2022
5	P.Sowmya (III EEE)	V.R.Siddhartha Engineering College (TECHNICAL FEST E-VERSE)	28 th October 2022
6	Y.Mohith (III EEE)	V.R.Siddhartha Engineering College (TECHNICAL FEST E-VERSE)	28 th October 2022
7	Y.Sampath Kumar (III EEE)	V.R.Siddhartha Engineering College (TECHNICAL FEST E-VERSE)	28 th October 2022
8	A. Siva Rama Teja (III EEE)	Usha Rama College of Engineering and Technology	24 th January 2023
9	A. Siva Rama Teja (III EEE)	SRK Institute of Technology	17 th February 2023
10	A. Siva Rama Teja (III EEE)	NRI Institute of Technology	27 th February 2023
11	A. Siva Rama Teja (III EEE)	KL University	28 th February 2023
12	A. Siva Rama Teja (III EEE)	Bapatla Engineering College	3 rd March 2023
13	A. Siva Rama Teja (III EEE)	JNTU Vizianagaram	13 th , 14 th March 2023
14	A. Siva Rama Teja (III EEE)	VVIT Institute of Technology	7 th June 2023



- **Mr A. Siva Rama Teja** has secured 1st prize in the event of **Project Expo** held on 24/01/2023 as a part of **yoUR Fest** conducted by Usha Rama College of Engineering and Technology.



- Mr A. Siva Rama Teja has secured 2nd prize in the event of **Ideathon** held on 17/02/2023 as a part of Ideathon-2K23 conducted by SRK Institute of Technology.



- **Mr A. Siva Rama Teja** has secured **3rd prize** in the event of Project Expo held on 27/02/2023 as a part of SUNRISE-2K23 conducted by NRI Institute of Technology.



- **Mr A. Siva Rama Teja** has secured **2nd prize** in the event of Project Expo held on 28/02/2023 as a part of ZROTRIYA'23 conducted by K L Deemed to be University.



- **Mr A. Siva Rama Teja** has secured 3rd prize in the event of Project Expo held on 03/03/2023 as a part of BECTAGON-2K23 conducted by Bapatla Engineering College.



- **Mr A. Siva Rama Teja** has secured 1st prize in the event of **IoRT** held on 13,14/03/2023 as a part of **ELECTIQUE 2K23** conducted by JNTU-GV.



- **Mr A. Siva Rama Teja** has secured 3rd prize in the event of **Project Expo** held on 07/06/2023 as a part of IoT Project Expo 2k23 conducted by VVIT.



Technical Quiz

The Department of Electrical and Electronics Engineering conducted Technical Quiz competition for 2nd, 3rd year students on 23-02-2023. The quiz was organized by the faculty in-charge Mr. L Karunakar.

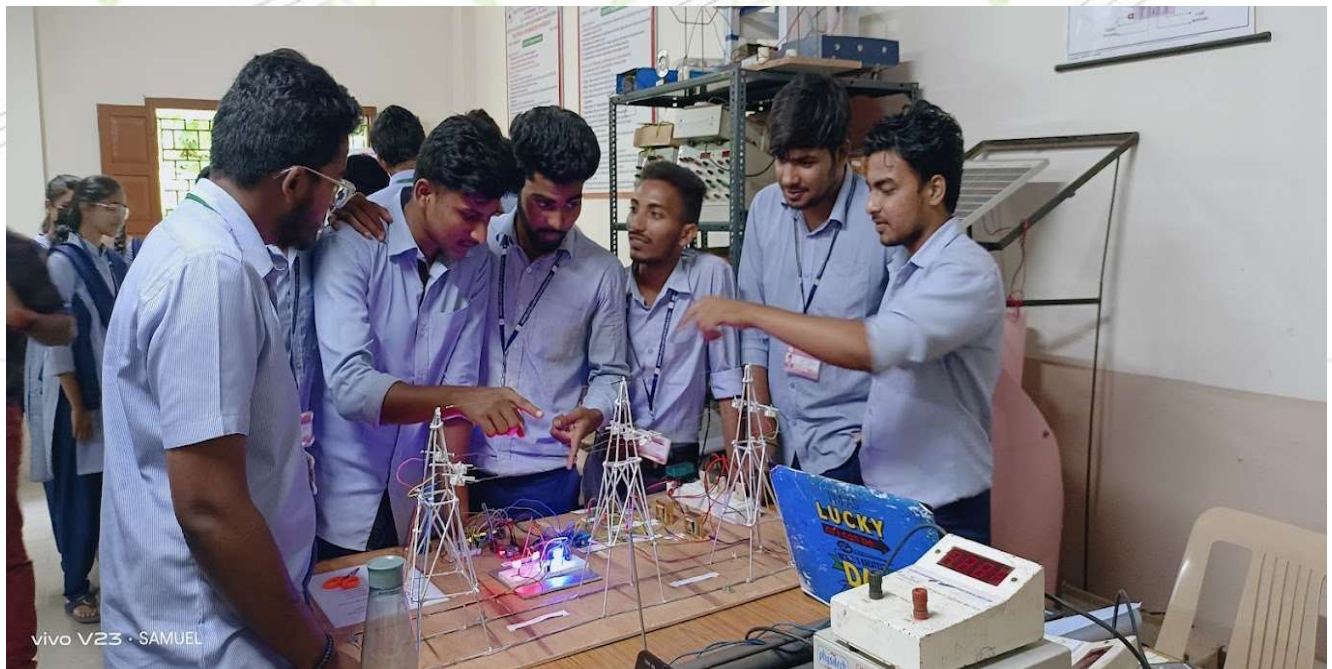
Among all 20 students were shortlisted. The students were divided into 5 teams (each consisting of four students) and the team with the highest score was declared the winner of the contest.

S No	Position	Roll Number	Year
1	I	20HP1A0207	III YEAR
		20HP1A0213	III YEAR
		21HP1A0228	II YEAR
		22HP5A0207	II YEAR
2	II	20HP1A0212	III YEAR
		21HP5A0205	III YEAR
		21HP1A0202	II YEAR
		21HP1A0213	II YEAR



PROJECT EXPO-2K23

Under IQAC, the Department of Electrical & Electronics Engineering organized an exhibition of engineering projects on **27th March 2023**. The projects were designed and developed by the students of final year. The students of 2nd and 3rd year interacted with final year students regarding their projects. The event was found to be very informative for the 1st, 2nd & 3rd year students



EXTENSION PROGRAMS

1. National Nutritional Day

The NSS unit of Andhra Loyola Institute of Engineering and Technology organized a program on the occasion of “National Nutritional Day” in collaboration with “Mahila Samrakshan Kryadarsi” at Anganwadi Centre, Vijayawada on 03rd of September. The students from EEE Department participated actively in this program. The NSS students shared their knowledge to the pregnant ladies about the importance of the National Nutritional Day, drawbacks due to lack of nutritious food. The students explained how to improve the health of small children from the nutritional problems also gave few tips for getting good health.



2. International Human Rights Day:

The NSS students of EEE participate in “International Human Rights Day” conducted by “Mont Fort Social Institute”, at Care and Share School, Ajit Singh Nagar, Vijayawada on 10th of December. The theme of this “International Human Rights Day” is the observance of Dignity, Freedom and Justice for all. This program focusing on the equality of all human rights and its importance. The resource person **Mr.G. Rohith, State Executive Committee Member from Human Rights Form** addressed the people and enlighten them by explaining the Rights of each human being, Facts about Human Rights Day like know your rights, think about the children, right to vote etc. The students from EEE Department participated actively in this program by showing the placards related to the Human Rights.



3. World Energy Conservation Day

The NSS unit of Andhra Loyola Institute of Engineering and Technology organized a program on the occasion of “World Energy Conservation Day” at Govt ITI College, Near ALC Campus, Vijayawada on 14th of December. This program focuses on creating awareness about the star rating of the Electrical Equipment and the supplementary sources that are available in the outside world to reduce the burden on the grid.

The students from EEE Department participated actively in this program by explaining about the importance of conservation of energy and they make the students to calculate the connected load for the room and gave clear idea about choosing the number of solar panels, required current to charge the battery from the solar panel and the rating of the battery etc.



4. World Tuberculosis Day

The NSS unit of Andhra Loyola Institute of Engineering and Technology organized a program on the occasion of “World Tuberculosis Day”. The NSS unit planned a program “World Tuberculosis Day” which is held on 24th March 2023 at Autonagar. The students from EEE Department participated actively in this program. The NSS Students created awareness about “devastating health, social and economic consequences of TB, step up efforts to end the global TB epidemic”.



GUEST LECTURES

The ED-Cell of ALIET organised a guest lecture on the topic name “INDUSTRY 4.0” on 18th Aug 2022. It was delivered by Dr. Biplab Kumar Biswal Director, Kirloskar Group, and Mr Anil Kumar T.S, Regional Head, Kirloskar Group. The students of 2nd, 3rd and 4th year EEE students were participated in this guest lecture.



INSTITUTION OF ENGINEERS (INDIA) STUDENTS' CHAPTER

(Code: 520008/ALIT/EE)

The department of Electrical and Electronics Engineering started the IEI student chapter on 14/10/2022 with 73 student members. The student chapter code is 520008/ALIT/EE . The faculty advisors are **Dr. M. Ajay Kumar, Assoc. Prof.** and **Mr. M. Ramakrishna, Asst. Prof.** Also the office bearers are:

President	M. Laya (20HP1A0202)
Vice President	V. Sivarama Sharma(21HP1A0218)
Secretary	K. Naveen (20HP1A0232)
Technical Event Organizers	P. Kumidini (20HP1A0205) N. Chaitanya (21HP1A0202) I. Vasu (21HP1A0228) R.Sankar(22HP5A0212)

Under the IEI student chapter, on 17-02-2023, at 2:40 P.M **Mrs.V.Anantha Lakshmi**, assistant professor of EEE department, inaugurated the guest lecture by introducing the importance of Power Generation,Transmission and Distribution. Later, she handover the session to the Head of the Department. **Dr.G.Naveen Kumar**. He addressed about the importance of IEI Student Chapter and introduced the faculty advisers of IEI student's chapter and office bearers from the EEE Department. Then he handover the session to **Dr. M. Ajay kumar**, Associate professor & faculty adviser of IEI student chapter. He addressed the roles and responsibilities of Student chapter and also outlined the privileges of student members attached to the IEI student's chapter.

Then, Mrs. V. Anantha Lakshmi Mam introduced the resource person **Er. T. Sreemannarayana Murthy** Garu, who is graduated in Electrical and Electronics Engineering at JNTU-Kakinada in 1990 and completed his M.B.A in 2003 from BRAOU. He is currently working as an Executive Engineer in MRT & Transformers, Vijayawada.

The students of 2nd, 3rd and 4th year EEE students were participated in this guest lecture. The students got idea about the different areas of power stations which are located in A.P., India and the ratings of the power stations are to be noted. There are different types of generation like thermal, hydro, gas, renewable, etc., The structure of the Central electricity sector is explained which includes the policy making of electricity, regulators, system operators, generation, transmission, distribution stations of electricity and the marketing of electricity. There are central

government sectors and private sectors in Andhra Pradesh. The total day of 24hours is divided into 96 blocks for a electricity division, he said.

After the completion of the expert lecture, Mrs. V. Anantha Lakshmi concluded the session by giving the Vote of Thanks to the Resource Person.



002907 520008/ALIT/EE

The Institution of Engineers (India)

is pleased to establish Students' Chapter at the
Department of Electrical & Electronics Engineering
Andhra Loyola Institute of Engineering & Technology
Vijayawada, Andhra Pradesh

Issued on : 25 Oct 2022
 Valid up to : 24 Oct 2023

SECRETARY & DIRECTOR GENERAL

GATE QUALIFIED STUDENTS



Name of Candidate	HARI VENKATA SAI KISHORE PABBISSETTY				
Parent's/Guardian's Name	VENKATA RAO PABBISSETTY				
Registration Number	IN23S56109041				
Date of Birth	17-Aug-2001				
Examination Paper	Instrumentation Engineering (IN)				
GATE Score:	438	Marks out of 100:	41.0		
All India Rank in this paper:	881	Qualifying Marks*	General	EWS/OBC (NCL)	SC/ST/PwD
Number of Candidates Appeared in this paper:	8746		34.8	31.3	23.2
Valid up to 31 st March 2026					
 Prof. PreetamKumar M. Mohite Organizing Chairman, GATE 2023 on behalf of NCB-GATE, for MoE				* A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with this score card.	



Name of Candidate	JIGNESH GUNTAPALLI				
Parent's/Guardian's Name	GOVINDA RAJU GUNTAPALLI				
Registration Number	EE23S36110417				
Date of Birth	09-Jun-2001				
Examination Paper	Electrical Engineering (EE)				
GATE Score:	322	Marks out of 100:	23.33		
All India Rank in this paper:	5060	Qualifying Marks*	General	EWS/OBC (NCL)	SC/ST/PwD
Number of Candidates Appeared in this paper:	55292		25.0	22.5	16.6
Valid up to 31 st March 2026					
 Prof. PreetamKumar M. Mohite Organizing Chairman, GATE 2023 on behalf of NCB-GATE, for MoE				* A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with this score card.	

INDUSTRIAL VISITS

1. Nagarjuna Sagar Hydro Power Plant

Department of Electrical and Electronics Engineering has organized an industrial visit to **Nagarjuna Sagar Hydro Power Plant, Nagarjuna Sagar** for 4th Year B.Tech Electrical students. Totally 66 students along with 2 faculty members visited the Industry on 1st March 2023. The authorities of the power plant were allotted a Professional who were expertise in the area of power generation and had explained about all the components and their working in the power plant. Some of the components they had seen in the power plant are Turbines, Generators, Dam, switch yard, Lightning restorers, control panels etc. the visit was really helpful for the students to know about different electrical equipment's which are used in power plant for generation of electrical energy using water.



2. LANCO Kondapalli Plant:

Department of Electrical Engineering has organized an industrial visit to **LANCO, kondapalli** for 3rd Year B.Tech Electrical students. Totally 62 students along with 2 faculty members visited the industry on 6th Nov 2022. The authorities of the power plant were allotted a Professional who were expertise in the area of power generation and had explained about all the components and their working in the gas power plant. Some of the components they had seen in the power plant are Turbines, Generators, control panels etc. the visit was really helpful for the students to know about different electrical equipment's which are used in power plant for generation of electrical energy using gas.



Student activities

As a part of Ventura cultural fest organized by ALIET on 1st Apr 2023 the students of EEE department were actively participated in various activities viz. group singing, solo singing, choreography, mime etc.



ALIET CULTURAL FEST 2023 REGISTRATION FROM EEE DEPARTMENT:

<u>S.NO</u>	REGD. NO	NAME	YEAR	NAME OF THE COMPETITION
1	22HP1A0208	K.Ashlesh	1	solo dance
2	20HP1A0238	B.Rahul	3	SPOT PAINTING
3	21HP1A0209	A.prasanna	2	SOLO DANCE
4	21HP1A0212	Sahithi	2	SOLO DANCE
5	21HP1A0213	Serena	2	Group dance
6	21HP1A0207	Jhansi	2	Group dance
7	21HP1A0204	Abhinaya	2	Group dance
8	21HP1A0210	Rajeswari	2	Group dance
9	21HP1A0205	harika	2	Group dance
10	21HP1A0209	Prasana	2	Group dance
11	21HP1A0212	Sahithi	2	Group dance
12	22HP5A0205	Rupavathi	2	Group dance
13	22HP5A0201	Bhoomika	2	Group dance
14	21HP1A0213	Serena	2	Solo singing
15	21HP1A0212	Sahithi	2	Solo singing
16	21HP1A0209	A.prasanna	2	Group singing
17	21HP1A0212	Sahithi	2	Group singing
18	21HP1A0204	Abhinaya	2	Group singing
19	21HP1A0205	harika	2	Group singing
20	21HP1A0213	Serena	2	Group singing
21	21HP1A0207	Jhansi	2	Group singing
22	21HP1A0210	Rajeswari	2	Group singing
23	21HP1A0211	Revathi	2	Group singing
24	19HP1A0241	Vasanth Prakash	4	Solo Singing

The sankranthi celebrations had been conducted at ALIET on 12th Jan 2023.the college had been filled with the environmental village and the festival culture with rangolies, gobbemmalu, haridasu, gangireddu and golu,the festival display of dolls during autumn festive season had been decorated.

The college environment was filled with the students of different colleges and rangoli competitions had been conducted.



Placement Report for the A.Y 2022 – 23

The department collaborated with the Placement and Counselling Cell. The recruitment organized by the Placement and Training Cell during the academic year 2022-23.

S.No	Name	Roll number	Organization	Package in Lakhs
1	MD Abdul Farahan Bhano	19HP1A0201	247.ai	2.4
2	Abdul Farhan Bano Mohammed	19HP1A0201	VDART	2.4
3	G Amulya	19HP1A0202	247.ai	2.4
4	K Ishwarya	19HP1A0203	247.ai	2.4
5	P Joythirmayi	19HP1A0204	247.ai	2.4
6	Raja Nandini Digumarthi	19HP1A0208	247.ai	2.4
7	Digumarthi Raja	19HP1A0208	GENPACT	2.4
8	D.Raja Nandini	19HP1A0208	Nice Education	2.4
9	Digumarthi	19HP1A0208	Sutherland Global	2.5
10	Digumarthi Raja Nandini	19HP1A0208	V DART	2.4
11	George Babu P	19HP1A0217	247.ai	2.4
12	Gowtham	19HP1A0218	INFAC INDIA	2
13	N.Manideep	19hp1a0221	INFAC INDIA	2
14	N Manideep	19HP1A0221	Nice Education	2.4
15	P Manoj Venkat	19HP1A0223	247.ai	2.4
16	Pathan Mohammad Sohail Khan	19HP1A0224	V DART	2.4
17	Sk. Munvar basha	19HP1A0225	INFAC INDIA	2
18	Sk. Munvar basha	19HP1A0225	Nice Education	2.4
19	Sai	19HP1A0232	INFAC INDIA	2
20	M Satish Kumar	19HP1A0235	247.ai	2.4
21	M Satish Kumar	19HP1A0235	FOCUS Edumatics	2.5
22	M Satish Kumar	19HP1A0235	Nice Education	2.4
23	M.Satish Kumar	19HP1A0235	V DART	2.4
24	Sivasankar Berothula	19HP1A0236	FOCUS Edumatics	2.5
25	Sivasankar Berothula	19HP1A0236	Sutherland Global	2.5
26	Uday Kiran	19HP1A0240	INFAC INDIA	2

27	Uday Kiran	19HP1A0240	Sutherland Global	2.5
28	Lakshmi prasanna	20HP5A0203	FOCUS Edumatics	2.5
29	Poornima mandapati	20HP5A0205	FOCUS Edumatics	2.5
30	Revathi K	20HP5A0207	FOCUS Edumatics	2.5
31	Revathi K	20HP5A0207	Nice Education	2.4
32	Shaik.sajida	20HP5A0208	FOCUS Edumatics	2.5
33	Dinesh G	20HP5A0211	247.ai	2.4
34	Jagadeesh	20HP5A0213	INFAC INDIA	2
35	Kannu Jayaram	20HP5A0214	FOCUS Edumatics	2.5
36	Karthik Mullangi	20HP5A0215	FOCUS Edumatics	2.5
37	B Naga kalyan	20HP5A0219	247.ai	2.4
38	B Naga kalyan	20HP5A0219	INFAC INDIA	2
39	B Naga kalyan	20HP5A0219	Nice Education	2.4
40	B Naga kalyan	20HP5A0219	Sutherland Global	2.5
41	Udari Nagendra Babu	20HP5A0220	247.ai	2.4
42	Udari Nagendra Babu	20HP5A0220	INFAC INDIA	2
43	Nagulu Mera	20HP5A0221	247.ai	2.4
44	Shaik.Nagulu	20HP5A0221	INFAC INDIA	2
45	Sri Ranganath Maturi	20HP5A0225	FACE Prep	3
46	Dasari Sunil	20HP5A0227	INFAC INDIA	2
47	Dasari Sunil	20HP5A0227	Sutherland Global	2.5
48	Mohammad	20HP5A0229	INFAC INDIA	2

FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
MATLAB - ARTIFICIAL INTELLIGENCE AND
OPTIMIZATION TECHNIQUES

A Five-Day National Level online FDP on “**Matlab - Artificial Intelligence And Optimization Techniques**” was held at the Department of Electrical and Electronics Engineering in Association With National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh from **21st to 25th Nov 2022** through online platform. The local coordinator of this FDP is **Dr. M. Ajay kumar** and the host organization coordinator is **Dr. Lini Mathew**.

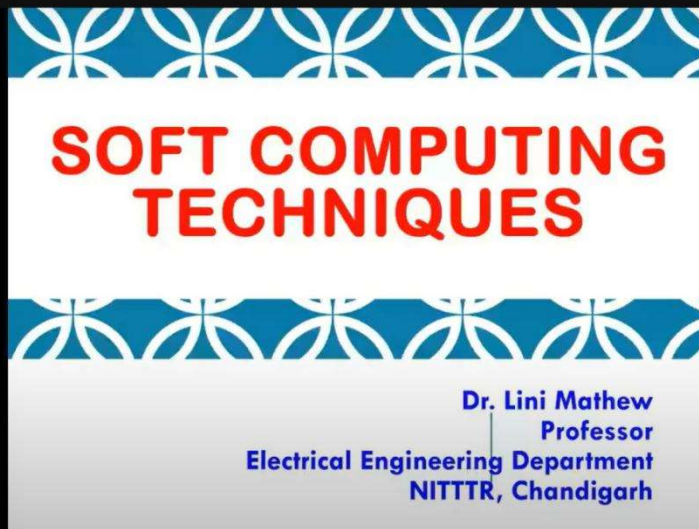
The Programme intends to develop the knowledge of participants for simulation with advanced software in the relevant field for inculcating learning values in students and guiding and monitoring their progress. The FDP was attended by 29 faculty members of EEE from various colleges.

The following resource persons gave exposure on the respective topics mentioned in the table.

- MP: Prof. Milli Pant, Professor, IIT Roorkee**
- AC: Er. Adarsh Chaunal, Application Engineer, Designtech Systems, New Delhi**
- PR: Er. Pratyush Roy, Mathworks India, Bangaluru**
- RK: Dr. Rishemjit Kaur, Principal Scientist, CSIO, Chandigarh**
- PSM: Dr. Palwinder S Mann, Associate Professor, GSET, Ahmedabad**
- SS: Ms. Shweta Sharma, Assistant Professor, PEC, Chandigarh**
- SP: Dr. Smitha Pareek, Associate Professor, B. K. B. Instt. of Engg. & Tech, Pilani**
- SSL: Dr. Shimi.S.L, Asstt. Prof., Electrical Engineering, NITTTR, Chandigarh**
- LM: Dr. Lini Mathew, Professor, Electrical Engineering, NITTTR, Chandigarh.**

DAY & DATE	Live Session - 1 9.30 AM to 11. 00 AM	Live Session - 2 11.30 AM to 1.00 PM	Live Session - 3 2.30 PM to 4.00 PM
Monday 21/11/2022	Introduction to Soft Computing Techniques (LM)	Introduction to Various Bio-inspired Optimisation Techniques (LM)	Genetic Algorithm and its Applications (SSL)
Tuesday 22/11/2022	Particle Swarm Optimisation (RK)	Latest Features of MATLAB & Simulink (AC)	Optimisation using MATLAB (PR)
Wednesday 23/11/2022	Type 1 & Type 2 Fuzzy Logic (LM)	Shallow Neural Networks in MATLAB (AC)	Deep Learning with MATLAB (PR)
Thursday 24/11/2022	Deep Learning and Convolutional Neural Networks (SS)	Artificial Intelligence and Optimisation Techniques in Solar PV Systems (SP)	Hybrid Neuro-Fuzzy Systems (SSL)
Friday 25/11/2022	Differential Evolution Algorithm (MP)	Artificial Bee Colony – A Metaheuristic Approach (PSM)	Practice/Doubt Clearing Session STC Valediction (LM)

MATLAB-Artificial Intelligence & Optimisation Techniques (2022-11-21 09:38 GMT+5:30)



**SOFT COMPUTING
TECHNIQUES**

Dr. Lini Mathew
Professor
Electrical Engineering Department
NITTR, Chandigarh



SPORTS

➤ Mr A HARISH, D SUNIL BABU, M GOWTHAM, S MANOJ, M KALYAN were the part of college cricket team which has won SAKSHI PREMIER LEAGUE 2022-2023 as runners.

లయోల 'సూపర్' విజయం

సెమీ ఫైనల్ లో ఆంధ్రా లయోల ఇంజనీరింగ్ కాలేజీ జట్టు అనూహ్యంగా విజయం సాధించింది. సూపర్ ఓవర్ లో ప్రత్యర్థి గుడ్లవల్లేరు ఇంజనీరింగ్ కాలేజీ జట్టుపై గెలిచి ఫైనల్స్ కు చేరుకుంది. హోరాహోరీగా సాగిన పోరులో రెండు జట్టు సమ స్కోరును సాధించి సూపర్ ఓవర్ కు చేరాయి. ముందుగా టాస్ గెలిచిన గుడ్లవల్లేరు ఇంజనీరింగ్ కాలేజీ జట్టు ఫీల్డింగ్ ఎంచుకోవడంతో తొలి ఇన్నింగ్స్ లో లయోల జట్టు నిర్ణీత 10 ఓవర్లకు ఎనిమిది వికెట్లు నష్టపోయి 68 పరుగులు చేసింది. బ్యాట్స్ మెన్ గౌతమ్ 21, జగదీష్ 20 రన్స్ తో రాణించారు. 69 పరుగుల విజయ లక్ష్యంతో రెండో ఇన్నింగ్స్ లో బ్యాటింగ్ కు దిగిన గుడ్లవల్లేరు జట్టుకు తొలి ఓవర్ లోనే 16 రన్స్ రావడంతో

విజయం సులభతరమైంది. గుడ్లవల్లేరు జట్టు బ్యాట్స్ మెన్ భారీ షాట్లుకు ప్రయత్నించి పరుసగా వికెట్లు చేజారుకోవడంతో చివరి ఓవర్లో మ్యాచ్ ఉత్కంఠకు తెరతీసింది. ఆరు బంతుల్లో మూడు పరుగులు తీయాల్సి ఉండగా ఐదు బంతులకు రెండు పరుగులు తీయడంతో స్కోర్లు సమం అయ్యాయి. చివరి బంతికి ఒక రన్ తీయాల్సి ఉండగా.. బౌలర్ బాల్ వేయకుండానే ఆఫ్ స్ట్రైకర్ రన్ తీసేందుకు ప్రయత్నించాడు. రెప్పపాటులో ఇది గమనించిన బౌలర్ బాల్ వేయకుండా బాల్ తో వికెట్ ను టచ్ చేయడంతో గుడ్లవల్లేరు



మ్యాన్ ఆఫ్ ది మ్యాచ్ తిరుపతిరావు



విజయం సాధించిన ఆంధ్ర లయోల ఇంజనీరింగ్ కాలేజీ జట్టు

జట్టు చివరి వికెట్ ను కోల్పోయింది. రెండు జట్టు సమానమైన స్కోరు సాధించడంతో నిర్వాహకులు సూపర్ ఓవర్ కు చాన్స్ ఇచ్చారు. సూపర్ ఓవర్లో అనూహ్యంగా విజయం సాధించిన లయోల జట్టు ఫైనల్స్ కు చేరుకుంది. నాలుగు వికెట్లు తీసిన తిరుపతిరావుకు మ్యాన్ ఆఫ్ ది మ్యాచ్ అవార్డు లభించింది.

Date: 03/02/2023, Edition: Vijayawada(Vijayawada City), Page: 7
Source : <https://epaper.sakshi.com/>

ఆంధ్రా లయోల @ 103



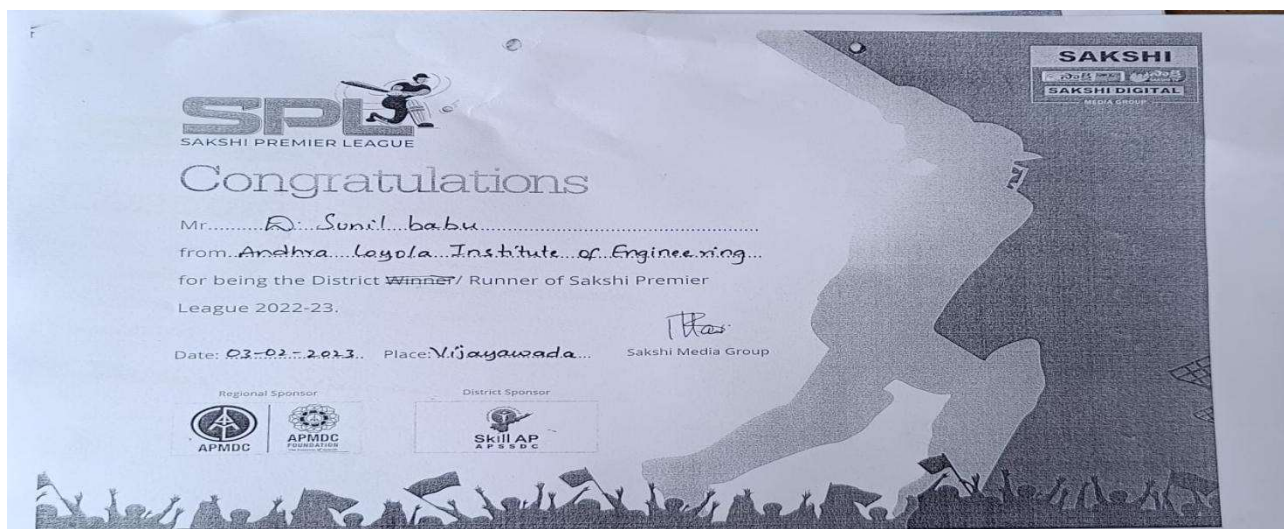
విజయం సాధించిన జట్టు ఆంధ్ర లయోలా ఇంజనీరింగ్ కళాశాల జట్టు

టాస్ గెలిచి బ్యాటింగ్ ఎంచుకున్న ఆంధ్ర లయోల జట్టు నిర్ణీత పది ఓవర్లకు మూడు వికెట్లు నష్టపోయి 103 పరుగులు చేసింది. ఓపెనర్ జగదీష్ 29 బంతుల్లో ఒక సిక్స్, మూడు ఫోర్లతో 44(నాటౌట్), మిడిలార్డర్ సునీల్ 19 బంతుల్లో ఐదు ఫోర్లతో 38(నాటౌట్) పరుగులతో రాణించారు. అనంతరం బ్యాటింగ్ కు దిగిన కారడ కాలేజీ జట్టు ఆదిలోనే తడబడింది. ఆసీల్ (21 రన్స్), రవి (17రన్స్) మినహా ఎవరూ రాణించలేదు. జట్టు నిర్ణీత పది ఓవర్లలో ఆరు వికెట్లు నష్టపోయి 71 పరుగులు చేసి ఓటమిపాలైంది. మ్యాన్ ఆఫ్ ది మ్యాచ్ కు లయోల బ్యాట్స్ మెన్ జగదీష్ ఎంపికయ్యాడు.



మ్యాన్ ఆఫ్ ది మ్యాచ్ జగదీష్

Date: 31,



The following students secured respective positions in various sports events conducted in ALIET

S No	NAME	FIELD EVENT	POSITION
1	RAJESH	JAVELIN THROW(MEN)	3
2	SINDHU	SHOTPUT(WOMEN)	3
3	B REVATHI	BADMINTON(WOMEN)	3
4	A PRASANNA		
5	RAJA NANDHINI		
6	AMULYA		

BASKETBALL:

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA

Academic year: 2022-2023

EVENT NAME: BASKETBALL (MEN)

RUNNERS: EEE

S.NO	STUDENT NAME	ROLL NUMBER	YEAR
1	CH. SURESH	20HP1A0245	III
2	CH. BHARATWARAJ	20HP1A0217	III
3	Y. GIREESH	20HP1A0223	III
4	B. RAJESH	20HP1A0239	III
5	P. ROHITH	20HP1A0240	III
6	T. CHINNA AYYAPPA	21HP1A0220	III
7	KALYAN	22HP1A0219	III
8	P. SATYA MOJESH	22HP1A0242	III
9	B. RAHUL	22HP1A0238	III
10	G. PRADEEP	22HP1A0235	III

CRICKET:

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY - VIJAYAWADA

Academic year: 2022 - 2023

EVENT NAME: CRICKET

3RD PLACE: EEE

S.NO	STUDENT NAME	ROLL NUMBER	YEAR
1	GOWTHAM	19HP1A0218	IV
2	KALYAN	19HP1A0219	IV
3	BAASHA	19HP1A0225	IV
4	GEORGE	19HP1A0217	IV
5	HARISH	20HP1A0212	III
6	SUNIL	20HP1A0227	III
7	YASIN	20HP5A0229	IV
8	VIJAY	20HP1A0249	III
9	AYYAPA	20HP1A0220	III
10	TEJA	20HP1A0246	III
11	VASU	20HP1A0228	II
12	SHIVA RAJ	21HP1A0225	II
13	VIVEK	22HP1A0216	I
14	RAKADA	22HP1A0222	I
15	SAI	19HP1A0232	IV

KABBADI

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA

Academic year: 2022-2023

EVENT NAME: KABBADI

3RD PLACE: EEE

S.NO	STUDENT NAME	ROLL NUMBER	YEAR
1	K. NAVEEN REDDY	20HP1A0232	III
2	B. RAJESH	20HP1A0239	III
3	T. AYYAPPA	20HP1A0220	III
4	D. TEJA	20HP1A0246	III
5	S. HEMANTH	20HP1A0225	III
6	P. PRUDHVI	21HP1A0229	II
7	LOKESH	19HP1A0221	IV
8	NAVEEN	22HP1A0220	I
9	ASHLESH	22HP1A0246	I
10	A. HARISH	20HP5A0212	IV

TABLETENNIS

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA

Academic year: 2022-2023

EVENT NAME: TABLETENNIS (MEN)

PARTICIPANTS: EEE

S.NO	STUDENT NAME	ROLL NUMBER	YEAR
1	K. MINTU RAJ	20HP1A0229	II
2	B. RAHUL	20HP1A0238	III
3	T. CHINNA AYYAPPA	20HP1A0220	III
4	P. PRUDHVI	21HP1A0229	II

THROW BALL:

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA

Academic year: 2022-2023

EVENT NAME: THROW BALL (WOMEN)

3RD PLACE: EEE

S.NO	STUDENT NAME	ROLL NUMBER	YEAR
1	K. ISHWARYA	19HP1A0203	IV
2	D. RAJA NANDHINI	19HP1A0208	IV
3	A. SINDHURI	19HP1A0209	IV
4	K. SNEHA	19HP1A0211	IV
5	S. SUBHASRI	20HP1A0210	IV
6	B. REVATHI	21HP1A0211	II
7	A. PRASANNA	21HP1A0209	II
8	T. SERENA	21HP1A0213	II
9	D. MADHAVI LATHA	21HP1A0208	II
10	MD. ABDUL	19HP1A0201	IV

VOLLEYBALL:

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY - VIJAYAWADA

Academic year: 2022 - 2023

OUTDOOR EVENTS

EVENT NAME: VOLLEYBALL

WINNERS: EEE

S.NO	STUDENT NAME	ROLL NUMBER	YEAR
1	T. CHINNA AYYAPA	20HP1A0220	III
2	B. RAJESH	20HP1A0239	III
3	K. VARDHAN	20HP1A0248	III
4	SK. IFRAN	20HP1A0226	III
5	P. PRUDHVI	21HP1A0229	II
6	MD. YASIN	19HP1A0229	IV
7	J. AMARESWA RAO	21HP1A0235	II
8	GOWTHAM	19HP1A0218	IV
9	G. DINESH	20HP5A0211	IV
10	BASHA	19HP1A0225	IV

ACKNOWLEDGEMENT

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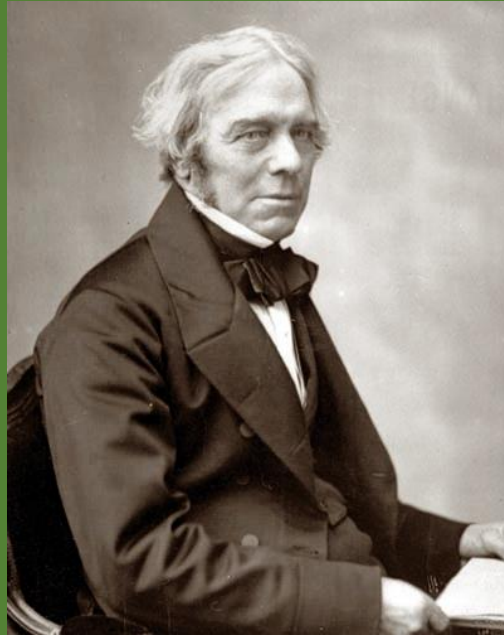
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MICHAEL FARADAY, (born in September 22, 1791, Newington, Surrey, England—died August 25, 1867, Hampton Court, Surrey), English physicist and chemist whose many experiments contributed greatly to the understanding of electromagnetism.

Michael Faraday was one of the most prolific scientists of the 19th century. He was an English scientist who made an immense contribution to physics and chemistry especially in the fields of electromagnetism and electrochemistry. A British physicist and chemist, Faraday is best known for his discoveries of electromagnetic induction and the laws of electrolysis. His biggest breakthrough, however, came with his invention of the electric motor. Faraday is also credited with the invention of the most primitive form of Bunsen burner. Since the early days, the concept of energy, specifically force, interested Faraday the most. It was due to this early reading and experiments with the idea of force that he was able to make important discoveries in electricity later in life. To know more about this British chemist and physicist, read through the following lines.