

WIND

6.6% global electricity generation (2021)

Wind flows over the blades of a wind turbine, creating mechanical power by turning the blades.

The blades are connected to a drive shaft that turns an electric generator to produce electricity.

GEOTHERMAL

<1% global electricity generation (2021)

As the water reaches the surface, it boils over into steam, which rotates a steam turbine.

The turbine is connected to a generator that produces electricity.

Hot water from underground reservoirs is pumped using pipes or wells.

SOLAR

3.7% global electricity generation (2021)

Photovoltaic (PV) cells contain thin semiconductor wafers, forming an electric field.

When light hits the cell, electrons are knocked loose from the semiconductor material and move in response to the electric field.

This generates electricity, transferred through metal conductors on the PV cell.

BIOMASS

2.3% global electricity generation (2021)

Biomass is burned in a boiler to produce steam.

Steam rotates the blades of a turbine connected to a generator that produces electricity.

Biomass can also be converted into other liquid or gaseous fuels used to generate electricity.

HYDRO

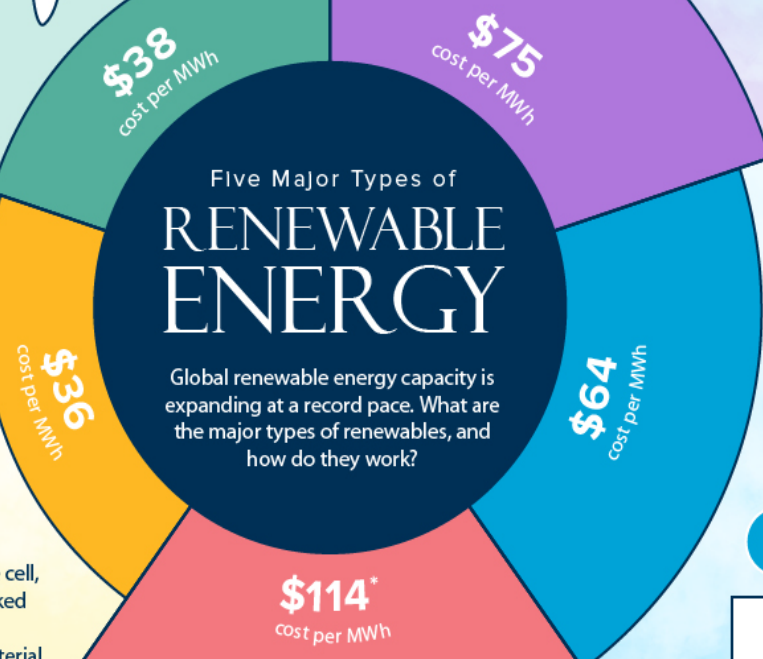
15.3% global electricity generation (2021)

Dams or other diversion structures alter the natural flow of water to increase its elevation and volume.

Water flows through the dam, generating mechanical energy that spins a turbine connected to an electric generator.

Five Major Types of RENEWABLE ENERGY

Global renewable energy capacity is expanding at a record pace. What are the major types of renewables, and how do they work?



* Represents the lifetime cost of a new power plant divided by total generation

Energia Chronicle

Annual News Letter

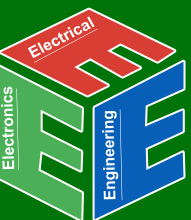
2022-23



Department of
Electrical & Electronics Engineering

**VELAGAPUDI RAMAKRISHNA
SIDDHARTHA ENGINEERING COLLEGE**
(Autonomous)

Kanuru, Vijayawada-520007, Andhra Pradesh



GRID-FORMING
INVERTERS

SOLID-STATE
TRANSFORMERS



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

TRAINING & PLACEMENTS SELECTED LIST A.Y 2022-23



VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE (AUTONOMOUS) VIJAYAWADA





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VISION AND MISSION

INSTITUTE VISION

To nurture excellence in various fields of engineering by imparting timeless core values to the learners and to mould the institution into a centre of academic excellence and advanced research.

INSTITUTE MISSION

To impart high quality technical education in order to mould the learners into globally competitive technocrats who are professionally deft, intellectually adept and socially responsible. The institution strives to make the learners inculcate and imbibe pragmatic perception and proactive nature so as to enable them to acquire a vision for exploration and an insight for advanced enquiry.



DEPARTMENT VISION

To impart quality education and strive for centre of excellence in research.

DEPARTMENT MISSION

To prepare future technocrats for a global work place through excellence in teaching and research. The department endeavours to prepare the students professionally skilful, intellectually proficient and socially responsible

ABOUT THE DEPARTMENT

Velagapudi Ramakrishna Siddhartha Engineering College, established in the year 1977, is the first private Engineering College in the state of Andhra Pradesh. It is a self-financing institution which owes its foundation to the bold and inspired vision of Siddhartha Academy of General and Technical Education, Vijayawada. Established in the year 1977, the EEE department offers two programs, one undergraduate and one graduate. The undergraduate program is the B. Tech. Program in Electrical and Electronics Engineering (EEE) with an intake of 132. The graduate program is the M. Tech. Program in Power Systems Engineering (PSE) with an intake of 18. The department has twenty-nine qualified faculty supported by thirteen technical and administrative staff. The faculty composition is Three Professors, Four Associate Professors, One Sr.Assistant Professor and Twenty-one Assistant Professors with 14 Ph.D and fifteen M.Tech. The faculty is also committed for research and publishing papers regularly in different areas. The research area comprises Optimal Control Systems, Power System Operation and Control, HVDC Transmission, Electric Drives, Power Quality, Distributed Generation, Gas Insulated Substations, Reduced order modelling, Optimal power flow, FACTS etc. The EEE department having ten laboratories which are well equipped with advance equipment.



The Department is equipped with High Voltage Engineering Lab, AC Network Analyzer and EHV 220kV Transmission Line Simulator in Power Systems Lab first of its kind in any private engineering college in A.P. Also, the department is actively engaged in consultancy work in electrical meter testing and third-party quality assurance for Vijayawada Municipal Corporation electrical works. The technical staff provides assistance to faculty for various laboratories and they provide electrical maintenance for the college campus.

Department produces well-disciplined students with high pass percentage and good campus placements. For the last forty-five years, the department has produced highly professional and competitive engineers with greater quality and appropriate skills suitable for a rapidly changing industrial scenario. Our alumni are well established in India as well as abroad. **Under Graduate Program of our department is accredited by National Board of Accreditation (NBA) for a period of 3 years i.e., from 01-07-2022 to 30-06-2025.**

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Excel in chosen career and/or higher education.

PEO2: Exhibit professionalism, ethical, attitude, communication skills, team work and adapt to current trends by engaging in lifelong learning.

PEO3: Demonstrate technical competence in solving engineering problems that are economically feasible and socially acceptable.

PROGRAMME OUTCOMES (POs)

PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/Development of Solutions: 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: Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1: Understand analyze and design systems that efficiently generate, transmit, distribute and utilize electric power.

PSO2: To expertise in the technology associated with efficient conversion and control of electrical Power to the required form.

HOD'S DESK



I am thrilled to announce the release of our Department of Electrical and Electronics Engineering **Energia Chronicle** Annual Newsletter for the academic year 2022-23. This initiative marks a significant step in highlighting the achievements, progress, and future aspirations of our department. It is my belief that this newsletter will serve as a platform to celebrate the dedication, innovation, and collective efforts of our students, faculty, and staff. The EEE department has experienced remarkable growth in recent years, and this newsletter offers a comprehensive snapshot of our journey. From cutting-edge research to diverse student and faculty activities, the department has continuously embraced new opportunities to excel in the field of electrical and electronics engineering. Through this newsletter, we aim to showcase not only the academic and technical advancements but also the personal stories and remarkable contributions that define our community.

Our esteemed faculty members remain at the heart of this growth, with their unwavering commitment to excellence in teaching and research. Their tireless efforts, alongside the support of the management and administration, ensure that our department remains at the forefront of innovation and industry readiness. I would like to extend my heartfelt congratulations to the management, principal, and the editorial team for their invaluable efforts in bringing this newsletter to life. It is my hope that this publication will provide readers with a clear view of the department's achievements and inspire the next generation of engineers to push boundaries and continue the legacy of excellence.

Yours

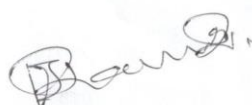


Dr. P.V.R.L. NARASIMHAM
Professor & Head

EDITORIAL MESSAGE

It gives me immense pleasure to present the 2022-23 editions of the Department of Electrical and Electronics Engineering **Energia Chronicle** Annual Newsletter. This publication serves as a reflection of the outstanding talent and achievements that define our department. The reputation of any institution is shaped by the dedication, creativity, and contributions of its students and faculty. In this context, our faculty play a pivotal role as facilitators in nurturing the potential of our students, equipping them with the necessary skills to excel. This newsletter offers a valuable platform to celebrate the innovative ideas, technical achievements, and personal accomplishments that make our community so dynamic. It not only highlights the academic milestones but also provides an opportunity for students to showcase their literary, cultural, and creative talents.

This newsletter is a testament to the collective effort of the students and faculty, whose contributions have brought this publication to life. I would like to extend my sincere gratitude to everyone involved in this process. A special thanks to the management, principal, and the Head of Department for their continuous support and encouragement in making this initiative a reality. We hope that the pages ahead will inspire, inform, and engage all readers as they explore the vibrant journey of the EEE department.



Dr. J. RAMESH
ASSOC. PROFESSOR
CHIEF-EDITOR

Mr. P. VENKATESH
ASST. PROFESSOR
EDITOR

FACULTY DETAILS

| S.NO | NAME OF THE EMPLOYEE | DESIGNATION |
|------|-------------------------------|----------------|
| 1 | Dr. P. V. R. L. NARASIMHAM | Prof. & HOD |
| 2 | Dr. A. RAMA DEVI | Professor |
| 3 | Dr.B.SRINIVASA AO | Professor |
| 4 | Smt. S. V. R. L. KUMARI | Assoc. Prof. |
| 5 | Dr. G. SRINIVASA RAO | Assoc. Prof. |
| 6 | Dr. B. VENKATESWARA RAO | Assoc. Prof. |
| 7 | Dr. J. RAMESH | Assoc. Prof. |
| 8 | Dr. N. VAMSI KRISHNA | Sr. Asst. Prof |
| 9 | Sri. P. VENKATESH | Asst. Prof |
| 10 | Sri.S N V S K CHAITANYA | Asst. Prof |
| 11 | Sri.T. SUNEEL | Asst. Prof |
| 12 | Sri. M. L. N. VITAL | Asst. Prof |
| 13 | Sri. R. MADHUSUDHANA RAO | Asst. Prof |
| 14 | Sri. V. HARI VAMSI | Asst. Prof |
| 15 | Dr. A. VEERA REDDY | Asst. Prof |
| 16 | Dr. P. CHANDRA BABU NAIDU | Asst. Prof |
| 17 | Dr. SUBHOJIT DAWN | Asst. Prof |
| 18 | Sri. V. RAVINDRANADH CHOWDARY | Asst. Prof |
| 19 | Dr. K. DHANANJAY RAO | Asst. Prof |
| 20 | Dr. J. VIMALA KUMARI | Asst. Prof |
| 21 | Ms. G. MYTHILY | Asst. Prof |
| 22 | MS.A.SIREESHA | Asst. Prof |
| 23 | MS.D.VIMALA | Asst. Prof |
| 24 | Smt.B.SWARUPA RANI | Asst. Prof |
| 25 | Smt.K.LALITHA | Asst. Prof |
| 26 | Dr.K.INDIRA | Asst. Prof |
| 27 | Smt.V.BINDU | Asst. Prof |
| 28 | Dr.RAJESH PANDA | Asst. Prof |
| 29 | Sri.T. NAVEEN KUMAR | Asst. Prof |

NON-TEACHING STAFF MEMBERS

| S.NO | NAME OF THE EMPLOYEE | DESIGNATION |
|------|---------------------------|------------------|
| 1 | Smt. Y.ANUSHA | Office Asst./DEO |
| 2 | Sri. D. JAGANNADHAM | Mech. |
| 3 | Sri. B SUMAN | Jr. Mech |
| 4 | Sri. N SRINIVAS | Jr. Mech |
| 5 | Sri. V. SUDHAKAR | Lab.Attender |
| 6 | Sri. S VEERASWAMY | Jr. Mech |
| 7 | Sri. V. NAGESWARA RAO | Jr. Mech |
| 8 | Sri. M. ANIL BABU | Jr. Mech |
| 9 | Sri. D SURYA KUMAR | Mech |
| 10 | Sri. V. V. RAMANA | Lab.Attender |
| 11 | Sri. D. VENKATESWARA RAO | Attender |
| 12 | Sri. M. DINESH RAGHAVA | Lab Technician |
| 13 | Sri.S.VENU GOPALA KRISHNA | Lab Technician |



“Distinguished Faculty of the EEE Department – Committed to Excellence in Teaching & Research”



"Dedicated Non-Teaching Staff of the EEE Department – Backbone of Academic Operations."

BOARD OF STUDIES (BOS) MEMBERS



Dr. P. V. R. L. Narasimham
Department of EEE
V.R.S.E.C, Vijayawada
Chairman -BOS Committee

Members of BOS



Dr. Suryanarayana
Professor
Dept. of Energy Systems
IIT Bombay



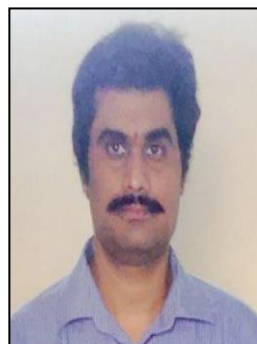
Dr. K. Sivakumar
Professor
Dept. of Electrical Engineering
IIT Hyderabad



Dr.K. Srikumar
Principal
JNTU Vijayanagaram
Vijayanagaram – A.P



Dr. H.V.S.S. Pavankumar
Assistant Professor
Dept. of Science and Engineering
IIT Bombay



Er.K.Rajasekar
Analog Design Engineer
Texas Instruments Pvt Ltd
Bangaluru

DEPARTMENT ADVISORY BOARD (DAB)

- **Dr. P.V.R.L. Narasimham**, HOD-EEE department and Chairman, Department Advisory Board.
- **Er. K. BalaKrishna**, Senior manager Manager, M/S Efftronics Pvt Ltd., Vijayawada, Representative from Industry – DAB Member.
- **Er. Raja Babu** Chief Engineer APTRANSCO representative from Electricity Board – DAB Member.
- **Er. R. Sreeram**, CEO, Eruvaka Technologies Pvt. Ltd, Vijayawada, representative from Industry – DAB Member.
- **Er. M.R.V.Rajesh**, SENIOR MANAGER (ELECTRICAL), RAIN CII Carbon Company, Visakhapatnam, representative from Industry – DAB Member.
- **Dr. P.Roshan Kumar**, Subject expert in Power Train, Micro fuzzy, Germany, representative from Industry – DAB Member.
- **Dr. B. Srinivasa Rao**, Professor, PG coordinator.
- **Dr. A. Rama Devi**, Professor, UG programme coordinator.

MEMORANDUM OF UNDERSTANDING (MOU)

Our department has signed MOUs with the following companies to undertake research and project work with the following companies.

| S.No. | MoU With | Purpose of MoU | Date of MoU | Duration of MoU & Status |
|-------|---|---|-------------|--------------------------|
| 1. | APSSDC – Siemens | To provide Infrastructure in college laboratories, skill up-gradation of faculty and students, update course curriculum to suit modern industrial practices and promotes research and development and innovation for existing industries. | 11/11/2017 | Till date |
| 2. | Energy Efficiency Services Limited (EESL), Noida | To Provide training, awareness meeting, workshops and promotion of energy efficiency appliances on mutually exclusive basis | 28/08/2017 | Till date |
| 3. | AVERA New & Renewable Energy Moto Corp Tech Pvt., Ltd. Vijayawada | To provide field trips, training programme and other events for the benefit of the faculty and students. | 01/03/2020 | 5 years |
| 4. | Kumar Pumps and Motors | To provide field trips To train the students at their project sites | 01/03/2020 | 5 years |
| 5. | Peepul Agri Ventures LLP, Guntur | student internships/Major projects | Sep 2023 | 5 years |
| 6. | Skilldzire Technologies private ltd, Hyderabad | student internships/Placement | Sep 2023 | 5 years |

DEPARTMENT LABORATORIES

1. ELECTRICAL MACHINES LAB

Electrical machines laboratory is exclusively intended for students of Electrical & Electronics Engineering for conducting various experiments on electrical machines. The laboratory is equipped with 37 experimental setups with branded machines which include DC Machines, Transformers, Alternators, Induction Machines, Synchronous Motors, Special Machines and Synchronizing Panel etc. In addition to that FPGA controller for PMSM, BLDC and SRM setup and rotary machine lab setup, 1.5HP slip ring IM, 3kVA, 4.2A alternator, 2.2kW, 4.4A squirrel cage IM and 5HP, 400V DC universal motor also available.



All the experimental panel boards are established with digital meters of our own make. All machines are set up in the laboratory with the facility of loading up to 125% of full load. The lab facilities are sufficient to conduct experiments as per the syllabus and beyond the syllabus. The lab also provides with necessary protection like insulating mats, fire extinguishers etc. The lab gives the students sufficient practical knowledge and industrial applications of electrical machines. We are in the process of development of multi-function meters of our own make. The total cost of the equipment is around Rs. 46.85 lakhs.



2. POWER SYSTEMS LAB

Power systems lab caters the needs of seventh semester B.Tech, EEE students as well as M.Tech power systems engineering students. The lab is also used by both UG and PG students for their project works. The laboratory has state of the art equipment for all areas of power system engineering. The laboratory is equipped with all kinds of relay technologies from electromagnetic, static, microprocessor-based relays to the latest numerical relays with SCADA, and 55 Inch LED Television.



The laboratory houses GE make multiline IEDs D60, F650 numerical relays; ABB REJ-601 relays, other protection equipment like L&T make 650A Air Break circuit breaker with 1000A source, numerical transformer differential relay.



The laboratory has 220kV, 360km length transmission line model, AC network analyser and three personal computers for power system modelling and analysis. The laboratory also has two numbers of salient pole alternator sets, three phase transformer and tap-changing transformer for fault studies. A programmable 5kW DC source which can be used to simulate solar PV system has been procured for studies on solar PV generation system. The power systems laboratory has adequate facilities for use of both UG and PG students in the field of power system engineering. The total cost of the equipment is around Rs. 69.36 lakhs.

3. ELECTRICAL MEASUREMENTS LAB

The electrical measurements lab is one of the basic laboratories offered by the department of electrical and electronics engineering for the EEE students. The laboratory meets the theoretical concepts taught in the Electrical Measurements subject 17EE3402 of VR-17 regulation. The experimentation is done on AC and DC bridges, energy meters, current transformer and potential transformer. The laboratory also has some major equipment like power quality analyser (FLUKE 435 series-II), mixed domain oscilloscope MDO3034, Analogue discovery Kit-2, Earth resistance tester, Current transformer test set, Potential transformer test set, and Transformer oil test kit which are helpful even in research activity. The total cost of the equipment is around Rs. 18.55 lakhs.



4. CONTROL SYSTEMS LAB

Control systems and microcontrollers laboratory helps the students in enhancing their knowledge and skills in different concepts of control systems like modelling control and design of systems. This includes hardware like PID controllers, Synchros, Compensators, 30 MHz Dual Trace CRO with triggering, Low voltage brushed DC Motor & stepper motor control kit and DC Generators etc.

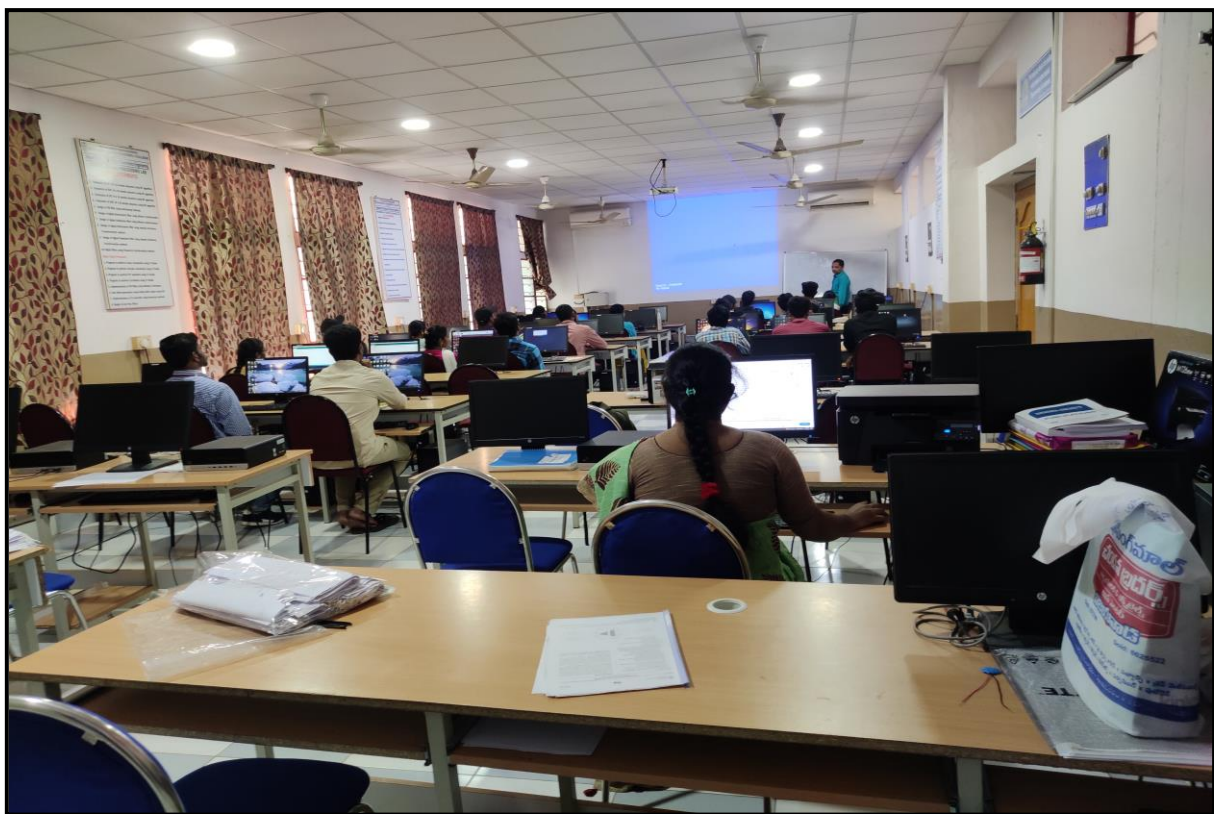


The laboratory also houses personal computers and varied range of microcontrollers ranging from 8086 microprocessor, 8051 Microcontroller controllers to the latest Programmable Logic Controllers (S7 200 CN), ARM (LPC214x) controllers, FPGA (Basy3 A7) and Advanced DSP controllers (TMS320ezdsp). The total cost of the equipment is around Rs. 20.86 lakhs.

5. UG COMPUTER LAB

This laboratory has been developed to perform simulation of real time machines, control systems on a virtual platform. They can vary any of the parameters and observe, analyse their effect immediately, which is not possible in the real time system. Hence it provides them with better understanding of what they have studied theoretically and performed practically on physical machines/ systems. Computer applications lab provides general computing facilities to

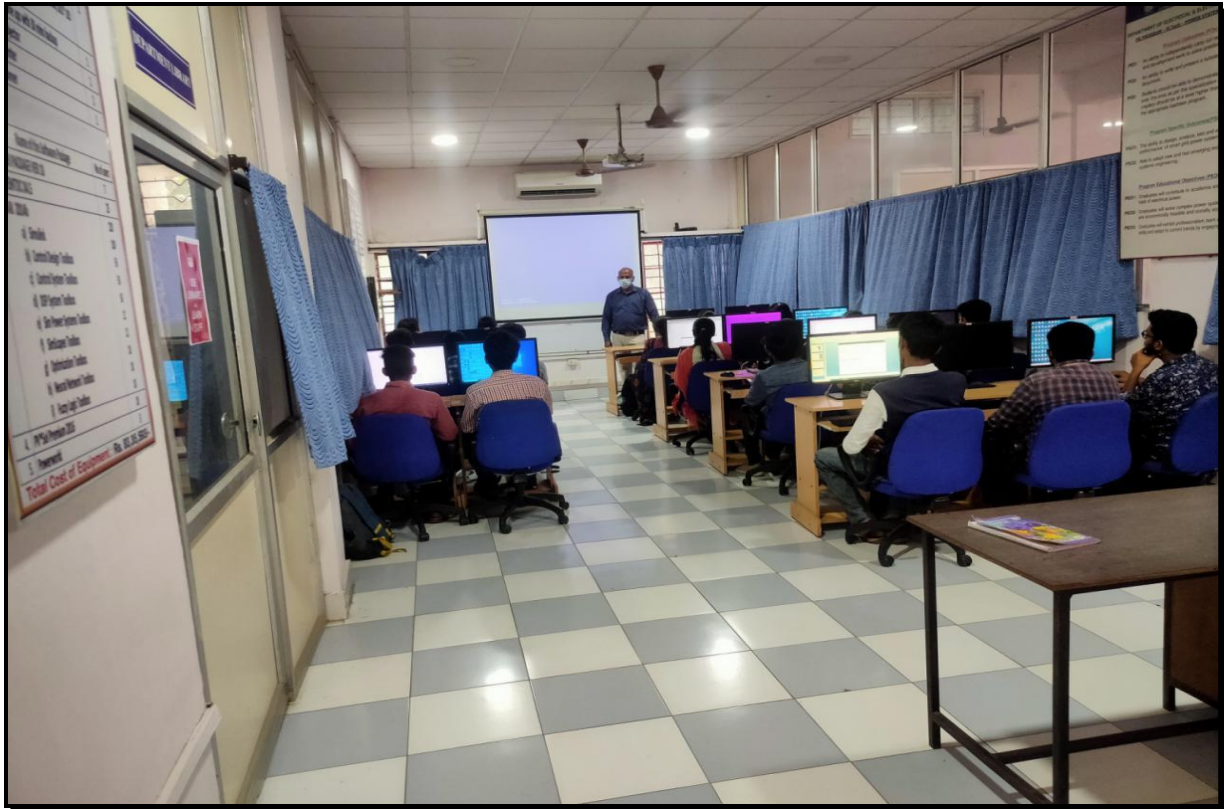
students of Electrical & Electronics Engineering. This laboratory is equipped with 45 desktop computers. The laboratory is fully air conditioned and provides printing and presentation facilities. The students of EEE branch perform programming related to numerical methods such as Bisection Method, Newton-Raphson Method, Gauss-Seidel method, Gauss-Jordan method etc., using the C++ programming language. The computer applications laboratory serves the needs of UG students for carrying out their Simulation Studies/project works/ Research related to Electrical Engineering. The laboratory is equipped with soft computing tools like MATLAB 2014b, MI Power V10.0, PSCAD/EMTDC V4.4, PSIM 6.0, EMTP, Pspice, Orcad Version 9.1, PV Sol 2016. The total cost of the equipment is around Rs. 24.94 lakhs.



6. PG COMPUTER LAB

This lab is exclusively for Post Graduate students for performing simulations of their project works in addition to the simulation lab experiments which are related to the power systems. This laboratory has 18 desktop computers with high configuration DELL OPTIPLEX 5050 MT, I5 7TH GEN, 8 GB DDR IV RAM, 1TB HDD, 22" LED Monitor, HP PROLIANT ML 350 GB Server, INTEL XEONES-2407(2.4GHZ/6CORE 112MB) Processor, 12 GB DDR III RAM HP 3*300 GB HDD, 18.5" LED Monitor, and DELL latitude 3590 laptops. The lab

is also equipped with a scanner, printer and a server with power back up. All the computers are installed with latest software computing packages like MATLAB, PSCAD, and PSPICE, MI-Power 9.1, PSCAD, PVSOL and Power World simulators. The total cost of the equipment is around Rs. 32.29 lakhs.



7. POWER ELECTRONICS LAB

Power electronics lab deals with the application of solid-state power semiconductor devices for the control and conversion of electric power. Power electronics have already found an important place in modern technology and are now used in great variety of applications with power levels ranging from watts to mega-watt. Such applications include, heat controls, light controls, motor control, power supplies, vehicle propulsion systems and high voltage direct current (HVDC) systems. State of the art equipment like three phase IGBT Stack, Basys3 FPGA Kits, Digilent Atlys Spartan 6 Fpga Kit, 24 switch inverter stacks, V/F ratio control of Induction motor drive, Programmable DC Power Supply and latest Digital storage oscilloscopes, are available in the lab. Also, Step Up/Down Chopper, Single Phase Fully Controlled Rectifier, Cyclo converter, Dual converter, H-Bridge Inverter, Three Phase PWM Inverter Drive are available. The power electronic lab provides an introduction to Power

Electronic circuits and its applications for the control of Power. The total cost of the equipment is around Rs. 20.69 lakhs.



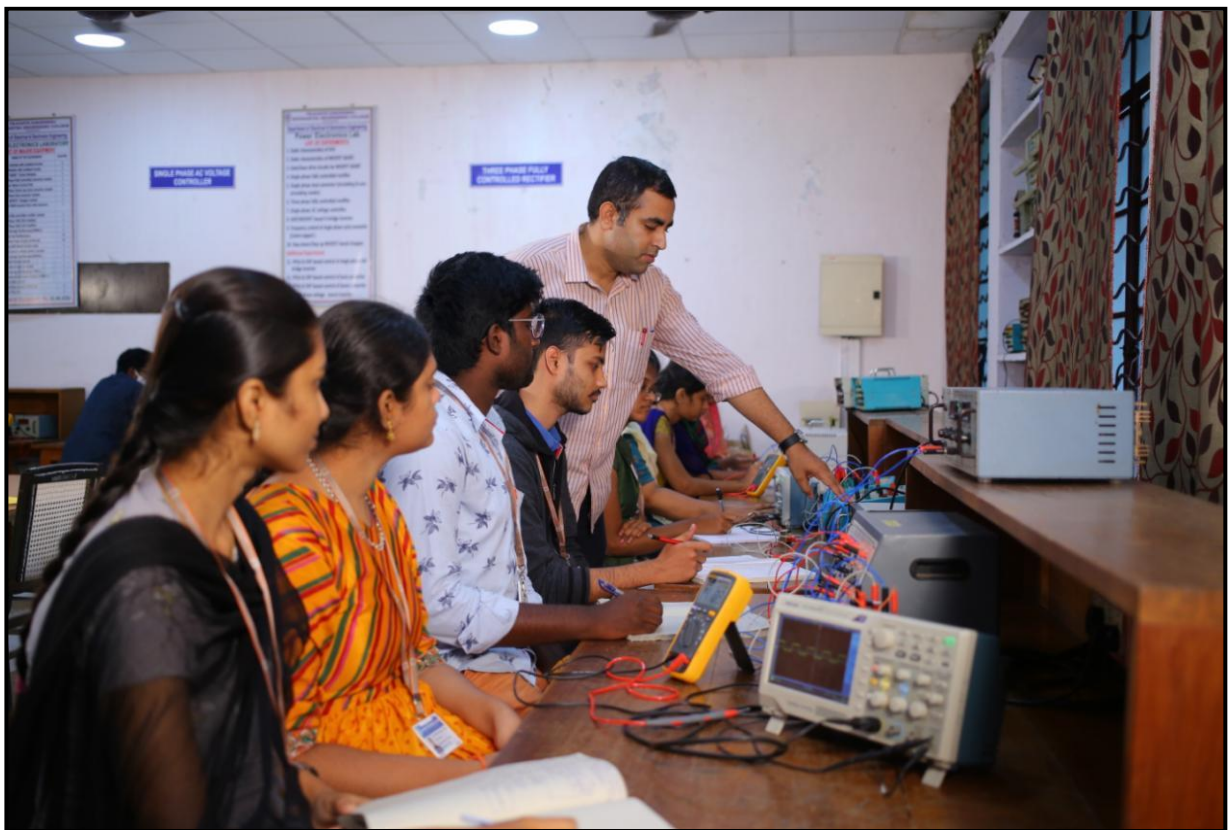
8. HIGH VOLTAGE ENGINEERING LABORATORY

High Voltage Laboratory is one of the laboratories in Electrical Engineering Department in V.R Siddhartha Engineering College established under MODROB in year 2000 with a plinth area of (32ft x 22ft). It consists of 100kV, 10/20kVA High voltage testing and measuring equipment, 140kV/10kVA HVDC unit, 280kV/460J Impulse generator (Two stage), 100 MHz Digital storage oscilloscope, 100 kV Motorized test vessel for vacuum & pressure testing with corona cage, and 100 kV enclosed sphere gap for liquid insulation breakdown test kit. The laboratory caters the needs of both UG and PG students. It has 3 units and one control panel. The total cost of the equipment is around Rs. 15.17 lakhs.



9. ELECTRONICS LAB

This laboratory lays the foundation for students on electronic components testing like Diode, Transistor, LED, Photo diode, ICs, colour coding of Resistors and CRO basics. Electronics Lab is divided into two groups: Electronics devices lab & Digital electronics lab. In Electronics devices lab, each individual student solder the components on PCB and conduct the experiment to test the working of analog circuits such as rectifiers with and without filter, transistors in common based and common emitter configuration and characteristics of PN junction diode and Zener diode etc. In Digital electronics lab, students understand the data sheet of different ICs like 74LS08, 74LS32, 74LS04, 74LS00, 74LS02 etc.



The realization of logic gates is using universal gates, implementation of Boolean function and verification of flip-flops using logic gates are discussed in digital lab. This lab provides the design of Printed Circuit Boards (PCBs) in software followed by routing and etching process. This makes each individual student to develop their own hardware prototype setups. This lab equipped with digital I.C. trainer kits, E. D. C. trainer kits, dual channel regulated power supply's, 30 MHz C.R.O's, function generators, and multi meters. The total cost of the equipment is around Rs. 8.81 lakhs.

10. INNOVATION AND INCUBATION CENTER



The department has a well-established Innovation and Incubation Centre. The centre is established during academic year 2015-16 with a foot area 63.06 square meters. Innovative and incubation centre is the place to develop hardware projects, products and to do R&D by the students and faculty. The centre is equipped with all varieties of

electronics components like, sensors, relays, power supply components motors etc and proper tools to assemble circuit components. This centre also equipped with facility to make PCB boards the centre is utilizing by all students and staff to develop hardware projects in the field of Electrical and Electronics Engineering application. The developed hardware projects are exhibiting in this centre for the future reference to demonstrate the students by the staff.



11. DEPARTMENT LIBRARY

The department library has a stock of 833 volumes with 418 titles of books, has 772 volumes for UG and 61 volumes for PG students. Standard text books and books by authors of repute in all fields are stocked at the department library. The department library has access to National journals, Magazines and e-Journals like IEEE, ELSEVIER which have subscription at institution level. The staff and students can access NPTEL video lessons, old question papers, e-books and e-journals through Intranet service Ph.D. thesis reports of faculty, research papers of faculty available throughout the campus.



FDP/ WORKSHOPS/SEMINARS /GUEST LECTURES, ORGANIZED IN THE DEPARTMENT

1. A webinar on Design And Analysis of Power Electronic Converters For Battery Charging

The department of Electrical and Electronics Engineering conducted a webinar on DESIGN AND ANALYSIS OF POWER ELECTRONIC CONVERTERS FOR BATTERY CHARGING on 11th and 12th July 2022 from 2 pm to 4 pm. The program has been organized under the banner of the Institution of Engineers [IE], India.

Resource Person:

Mrs. Merlin Mary N J

Ph.D. scholar (Prime Minister's Research Fellow)
Department of EEE
National Institute of Technology-Tiruchirappalli

Convener and Co-ordinator:

Dr. P. V. R. L. Narasimham

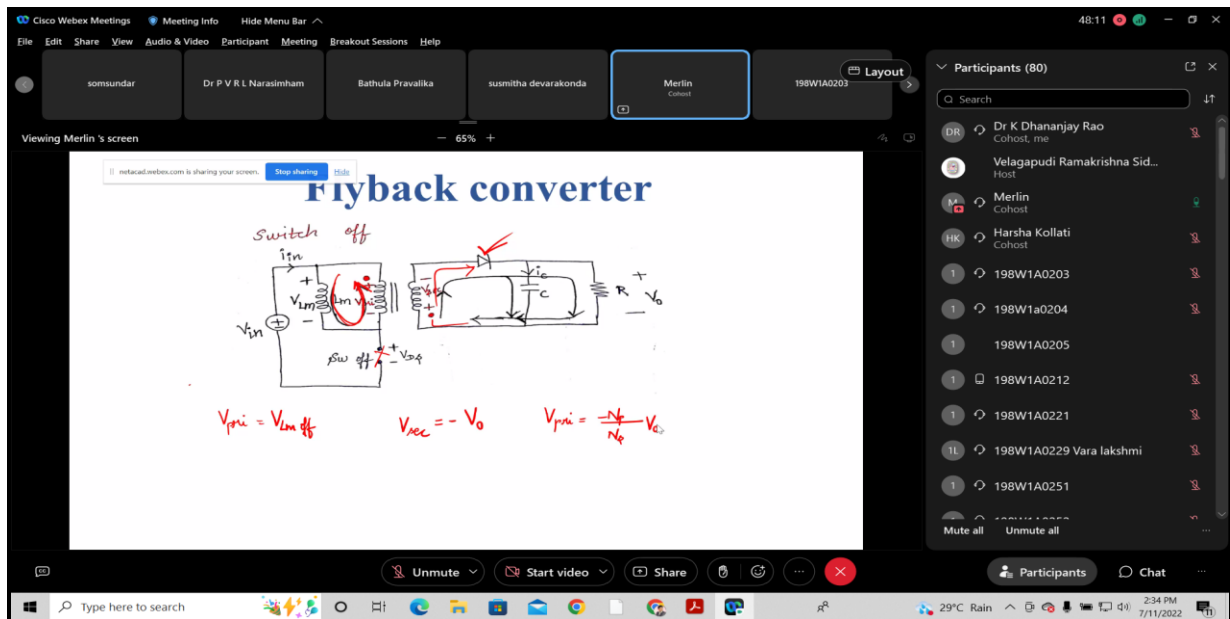
Professor and HOD, EEE Department.

Faculty In-charge:

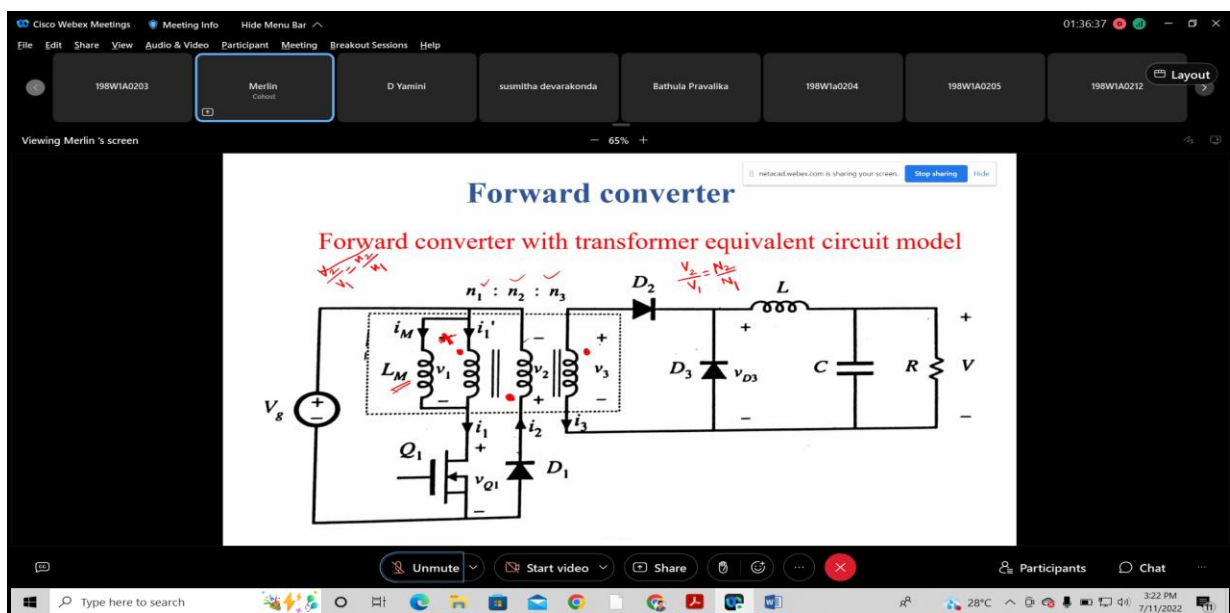
Dr. K. Dhananjay Rao

Assistant Professor EEE Department
Faculty In-charge, Institution of Engineers, India.

The program coordinator with the introduction of the resource person **Mrs. Merlin Mary N J, Ph.D. scholar, National Institute of Technology**, initiated the event. All the final-year students attended the webinar with their laptops. Afterward, Mrs. Merlin carried out the webinar with the discussion of the converters. On the first day, the resource person explained the importance of converters and their working procedure. The power electronic converter for battery charging is a flyback converter. The working procedure and the calculations being carried out were explained in detail for the flyback converter. On the second day, students were guided to install PSIM software for simulation. Later that day, the function of different converters was explained and a simulation has been carried out for the design of the converter. The students were able to learn the importance of converters and the role they had in battery charging. The event is concluded with a vote of thanks by the program coordinator.



“Design and Analysis of Flyback Converter for Battery Charging”



“Design and Analysis of Forward Converter for Battery Charging”

2. A guest lecture on CYBER SECURITY ON POWER SYSTEMS

The department of Electrical and Electronics Engineering organized a guest lecture on CYBER SECURITY ON POWER SYSTEMS on 20th Jan 2023 from 9 am to 11am. The program coordinator with the introduction of the resource person **Dr. Kaliyappan, CPERI-Bangalore** initiated the event. All the final-year students and faculty members attended. Afterward, Mr. Kaliyappan carried out the lecture with the discussion of the cyber security in

power systems. The students and faculty members were able to learn the importance of cyber security in the power systems.



"Guest Lecture on 'Cyber Security in Power Systems' by Dr. Kaliyappan, CPERI-Bangalore."

3. Career Counseling for EEE students

On 28th January 2023, the department of electrical and electronics engineering conducted career Counseling for EEE students. The chief guest Dr. Pammi Sesha Srinivas shared his vast industrial experience and the future of Electrical Engineers, by speaking about his thoughts on various future technologies Internet of things (IoT), Electric Vehicles (EVs), FPGA control boards, DSP control boards, Robotics and Automation, etc. This event has been organized in association with the Institution of Engineers [IE], India.

Chief Guest:

Dr. Pammi Sesha Srinivas,

Director Engineering,
ARM, Bangalore.

Convener:

Dr.P.V.R.L.Narasimham

Professor and HOD,
EEE Department

Coordinator:

Dr.K.Dhananjay Rao

Assistant Professor, EEE Department
Faculty in charge, IE, India.



"Glimpses of the Event – Expert Talk and Student Interactions."

The event commenced with the convener introducing **Dr. Pammi Sessa Srinivas**, an alumnus of VRSEC (BTech, 1997), highlighting his 23 years of industrial experience and achievements. Dr. Srinivas, holding a Ph.D. in Yoga and Management, engaged with third-year EEE students (120 attendees), sharing insights on industry trends, career opportunities, and electrical system design. He emphasized the growing significance of Semiconductor Technology, VLSI, and FPGA in future electrical systems, encouraging students to explore these fields for better career prospects. His interactive session included discussions on learning methodologies and skill development for core industry placements. The session concluded with a memento presentation by Dr. P.V.R.L. Narasimham, Head of the EEE Department,

acknowledging Dr. Srinivas's contributions in guiding students toward emerging technologies. The event ended with a vote of thanks.

4. A guest lecture on Industry 4.0 Technology and Electric Vehicles.

On 13th February 2023, the department of electrical and electronics engineering conducted a GUEST LECTURE on Industry 4.0 Technology and Electric Vehicles. Our guest is **Shri.N.Venkata Reddy, MS (UK), Founder and CEO of M/s VihaanElectrix (VE)** interacted with the students regarding the following aspects. In the past, the product reaches the customer only through production but now the product is reached by sales persons followed by marketing. The students actively participated in the event making it successful. This event has been organized in association with the Institution of Engineers [IE], India.

The details of the guest lecture are as follows:

Chief Guest:

Shri.N.Venkata Reddy, MS (UK),

Founder and CEO

M/s VihaanElectrix (VE)

Convener

Dr. P.V. R. L. NARASIMHAM

Professor and HOD, EEE department, VRSEC

Coordinator:

Dr. K. DHANANJAY RAO

Assistant Professor, EEE department, VRSEC



"Shri N. Venkata Reddy delivering a lecture on 'Industry 4.0 Technology and EVs'"



“Memento Presentation to Shri N. Venkata Reddy by Dr. P.V.R.L. Narasimham”

5. Guest lecture on Electric Vehicles

The Department of EEE has organized a Guest lecture on Electric Vehicles by **Dr.A.HemaChander**, Asst.Prof. NIT Puducherry, Puducherry on 5th May 2023. He has explained the infrastructure and market in Indian scenario and across the globe. Also he explained the charging infrastructure and battery management system importance in electric vehicles. The faculty members have benefited in research point of view about the problems associated with electric vehicle industry.



"Dr.A.HemaChander delivering a lecture on Electric Vehicles"

FDP/WORKSHOPS/WEBINAR ATTENDED BY FACULTY

| S.No | Name of the Faculty | Designation | Topic | Date of the Event | Organizing Institute | Event |
|------|-----------------------|---------------------|--|----------------------|---|-------|
| 1. | Dr.A.RamaDevi | Professor | Research Potential in the Field of Solar Energy" | 02-01-23 to 06-01-23 | St.Francis Institute of Technology, Mumbai,MH. | FDP |
| 2. | | Professor | Professional Training/Internship Program on Python with Machine Learning | 06-02-23 to 10-04-23 | LabView Academy & ITS Engineering College, Noida | FDP |
| 3. | Smt.S.V.R.L.Kumari | Associate Professor | Electric VehiclesTechnological Advancements and Trends | 20-02-23 to 25-02-23 | Dept. of EEE, Vasireddy Venkatadri Institute of Technology | FDP |
| 4. | | Associate Professor | Enhancement and Utilization of Green Energy in Power Systems using Power Electronics and Control | 12-12-22 to 17-12-22 | GMRIT & AUCE Vizag | FDP |
| 5. | Dr.G.Srinivasa Rao | Associate Professor | 10 Day Institute Idea to Patent | 31/08/22 to 09/09/22 | Turnip Innovations | FDP |
| 6. | | Associate Professor | Introduction to Internet of Things | Jul-Oct 2022 | NPTEL,- AICTE | FDP |
| 7. | Dr.B.Venkateswara Rao | Assistant Professor | Enhancement and Utilization of Green Energy in Power Systems using Power Electronics and Control | 12-12-22 to 17-12-22 | GMRIT & AUCE Vizag | FDP |
| 8. | | Associate Professor | Artificial Intelligence and ICT Application to Power System protection | 18-07-22 to 27-07-22 | GVP in collaboration with NIT Warangal | FDP |
| 9. | | Associate Professor | Optimization Techniques used in Renewable Resources & Power Systems | 22-08-22 to 05-09-22 | The National Small Industries Corporation Ltd. Technical Services Centre, Hyderabad | FDP |
| 10. | | Associate Professor | Three day Certificate Program on Power System Protection, Automation and Control | 28-09-22 to 30-09-22 | JVS Electronics Pvt. Ltd | FDP |

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|-----|-------------------------|------------------------|---|---|--|-----|
| 11. | Dr.N.Vamsi Krishna | Sr.Assistant Professor | "Applications of Power Electronics in Electric Vehicles" | 12-12-22 to 17-12-22 & 19-12-22 to 23-12-22 | ATAL FDP, NRI Institute of Technology | FDP |
| 12. | | Sr.Assistant Professor | Recent Advancements in Power Systems | 28-11-22 to 03-12-22 | Godavari Institute of Engineering & Technology | FDP |
| 13. | Sri.R.Madhusudhan Rao | Assistant Professor | Recent Advancements in Power Systems | 28-11-22 to 03-12-22 | Godavari Institute of Engineering & Technology | FDP |
| 14. | | Assistant Professor | "Applications of Power Electronics in Electric Vehicles" | 12-12-22 to 17-12-22 & 19-12-22 to 23-12-22 | ATAL FDP, NRI Institute of Technology | FDP |
| 15. | Sri.S.N.V.S.K.Chaitanya | Assistant Professor | Enhancement and Utilization of Green Energy in Power Systems using Power Electronics and Control | 12-12-22 to 17-12-22 | GMRIT & AUCE Vizag | FDP |
| 16. | Sri.T.Suneel | Assistant Professor | Python for Scientific Computing | 19-09-22 to 23-09-22 | VRSEC & NIT Warangal | FDP |
| 17. | V Ravindranadh Chowdary | Assistant Professor | Professional Training Program on Machine Learning with Python | 06/06/22 to 18/07/22 | Centre of Excellence, National Instruments Innovation Center | FDP |
| 18. | Sri.V.Hari Vamsi | Assistant Professor | Enhancement and Utilization of Green Energy in Power Systems using Power Electronics and Control | 12-12-22 to 17-12-22 | GMRIT & AUCE Vizag | FDP |
| 19. | Dr.A.Veera Reddy | Assistant Professor | Enhancement and Utilization of Green Energy in Power Systems using Power Electronics and Control | 12-12-22 to 17-12-22 | GMRIT & AUCE Vizag | FDP |
| 20. | | Assistant Professor | HYBRID ELECTRIC VEHICLES | 21-11-22 to 25-11-22 | GMRIT, Rajam | FDP |
| 21. | | Assistant Professor | One week short term training program on Design, implementation and Control of Electrical Systems using MATLAB | 03-01-23 to 07-01-23 | Bapla Engineering College, Bapla | FDP |
| 22. | | Assistant Professor | Electric Vehicles Technological Advancements and Trends | 20-02-23 to 25-02-23 | Dept. of EEE, VVIT | FDP |

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|-----|---------------------|---------------------|--|-----------------------|--|-----|
| 23. | | Assistant Professor | Altair Flux - A Software Tool for Electromagnetic Modelling of Electrical Systems | 28-06-23 to 30-06-23 | Dept. of EEE, CBIT,Hyderabad | FDP |
| 24. | | Assistant Professor | Electric Motor Design Strategies and Control Implementation | 15-06-23 to 16-06-23 | Dept. of EEE, PSG College of Technology, Coimbatore | FDP |
| 25. | Dr.K.Dhananjaya Rao | Assistant Professor | Python for Scientific Computing | 19-09-22 to 23-09-22 | VRSEC & NIT Warangal | FDP |
| 26. | | Assistant Professor | 30 Days Master Class on Electric Vehicle Design | 20-06-22 to 19-07-22 | APSSDC in coloboard with Pantech Solutions | FDP |
| 27. | Dr.J.Vimala Kumari | Assistant Professor | IoT and Machine learning Applications to Engineering Systems | 21-11-22 to 25-11-22 | VIT, Chennai | FDP |
| 28. | | Assistant Professor | HYBRID ELECTRIC VEHICLES | 21-11-22 to 25-11-22 | GMRIT, Rajam | FDP |
| 29. | | Assistant Professor | Introduction to Machine Learning | Jan-Apr2023 | NPTEL,-AICTE | FDP |
| 30. | | Assistant Professor | Recent Advancements in Power Electronics and Drives for the Integration of Future Energy sources | 19-12-22 to 24-12-22 | Lendi Institute of Engineering & Technology | FDP |
| 31. | | Assistant Professor | Electric VehiclesTechnological Advancements and Trends | 20-02-23 to 25-02-23 | Dept. of EEE, Vasireddy Venkatadri Institute of Technology | FDP |
| 32. | B Swarupa Rani | Assistant Professor | Master Class on Machine Learning | 11.-01-23 to 10-02-23 | APSSDC in coloboard with Pantech Solutions | FDP |
| 33. | | Assistant Professor | Electric VehiclesTechnological Advancements and Trends | 20-02-23 to 25-02-23 | Dept. of EEE, Vasireddy Venkatadri Institute of Technology | FDP |
| 34. | | Assistant Professor | Blooms Taxonomy in Teaching and Learning | 16-02-2023 | SanSnow's Nobel Professional Foundation | FDP |
| 35. | | Assistant Professor | Inculcating Universal Human Values in Technical education | 10-10-22 to 14-10-22 | AICTE | FDP |
| 36. | | Assistant Professor | 5 Days online FDP on Data Science and Chat GPT | 15-05-23 to 19-05-23 | KL University | FDP |

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|-----|---------------------|---------------------|---|--------------------------|--|------------------|
| 37. | Dr.D.Indira | Assistant Professor | Electric Motor Design Strategies and Control Implementation | 15-06-23 to 16-06-23 | Dept. of EEE, PSG College of Technology, Coimbatore | FDP |
| 38. | Mrs.V.Bindu | Assistant Professor | Data Mining | Jan-Mar 2023 | NPTEL,- AICTE | FDP |
| 39. | Sr. T.Naveen Kumar | Assistant Professor | 5 Day online short term course on Emerging Applications of AI & IOT, Opportunities and Challenges | 22-03-2023 to 26-03-2023 | Dept. of EEE, NIT Jamshedpur | FDP |
| 40. | Dr Rajesh Panda | Assistant Professor | Electric Vehicles Technological Advancements and Trends | 20-02-23 to 25-02-23 | Dept. of EEE, Vasireddy Venkatadri Institute of Technology | FDP |
| 41. | Dr.G.Srinivasa Rao | Associate professor | ChatGpt for Innovation webinar | 23-06-23 | Turnip Innovations | Seminar/ Webinar |
| 42. | | Associate Professor | 10 Day Institute idea to patent course | 31/08/22 to 09/09/22 | Turnip Innovations | Workshop |
| 43. | | Associate Professor | Road map and Action plan for EISCs in A.P | 06-09-2023 | IQAC, APSCHE & VIT AP | Workshop |
| 44. | Dr.K.Dhananjaya Rao | Assistant Professor | Emerging Trends in Power Engineering | 30-01-23 & 31-01-23 | NIT Warangal | Workshop |
| 45. | | Assistant Professor | Power Electronics and its Applications using OPAL-RT | 20-02-23 to 24-02-23 | OP Jindal University, Raigarh | Workshop |
| 46. | Dr.J.Vimala Kumari | Assistant Professor | Practical Aspects of ICT Tools & Online Teaching in Current Scenario | 14-11-22 to 20-11-22 | Research Foundation of India | Workshop |
| 47. | | Assistant Professor | Awareness on Quality Initiatives for Higher Educational Institutions through Research Innovations and Startups and Entrepreneur ships | 18-11-22 & 19-11-22 | NAAC Bengaluru | Workshop |

FACULTY ACTING AS RESOURCE PERSON/EPERT MEMBERS OUTSIDE THE COLLEGE

| S.No | Name of the Faculty | Designation | Name of the Event | Duration | Organized by |
|-------------|----------------------------|----------------------------|---|----------------------|----------------------------------|
| 1 | Dr.N.Vamsi krishna | Senior Assistant Professor | Delivered a Key note for National FDP on "Recent Trends in Technological Advancement for Sustainable Society in the Area of Engineering - 2022(RTASsE-2022) | 08/08/22 to 12/08/22 | Siliguri Institute of Technology |
| 2 | Dr.K.Dhananjay Rao | Assistant Professor | Electric Vehicle Technology: Challenges and Opportunities | 23-11-22 | Sasi Institute of Technology |
| 3 | Dr.K.Dhananjay Rao | Assistant Professor | Hybrid Electric Vehicles” | 21-11-22 to 25-11-22 | GMRIT, Rajam |
| 4 | Dr.G.Srinivasa Rao | Associate Professor | Msme Vendor Development Program - 2023 | 06-01-23 &07-01-23 | MSME & FAPSIA |
| 5 | Dr.N.Vamsi krishna | Senior Assistant Professor | Msme Vendor Development Program - 2023 | 06-01-23 &07-01-23 | MSME & FAPSIA |

FACULTY PUBLICATIONS

International Journals

| Sl. No. | Author Name | Title of the Paper | Publication Details | DOI | SCI/SCIE/ SCOPUS/ WOS/ UGC | Q-Index | UG/PG |
|---------|--|---|--|-----------------------------|----------------------------|---------|-------|
| 1 | Saha A, Dash P, Babu NR, Chiranjeevi T, Venkateswararao B , Knypínski Ł | Impact of Spotted Hyena Optimized Cascade Controller in Load Frequency Control of Wave-Solar-Double Compensated Capacitive Energy Storage Based Interconnected Power System | Energies, vol. 15, no. 19, 2022 | 10.3390/en15196959 | SCIE | Q2 | - |
| 2 | Ramesh Devarapalli, B. Venkateswara Rao , Ahmed Al-Durra | Optimal parameter assessment of Solar Photovoltaic module equivalent circuit using a novel enhanced hybrid GWO-SCA algorithm | Energy Reports, vol. 8, pp. 12282-12301, 2022 | 10.1016/j.egy.2022.09.069 | SCIE | Q1 | - |
| 3 | Bathina, V. , Devarapalli, R. & García Márquez, F | Hybrid Approach with Combining Cuckoo-Search and Grey-Wolf Optimizer for Solving Optimal Power Flow Problems | Journal of Electrical Engineering & Technology, 2022 | 10.1007/s42835-022-01301-1 | SCIE | Q3 | - |
| 4 | Chaitanya, S.N.V.S.K. , Bakkiyaraj, R.A. & Rao, B.V. | Multi objective optimal reactive power dispatch for enrichment of power system behavior using modified ant lion optimizer | International Journal of System Assurance Engineering and Management, 2022 | 10.1007/s13198-022-01828-6 | ESCI & Scopus | Q2 | - |
| 5 | J B Basu, Subhojit Dawn , P K Saha, M R Chakraborty, T S Ustun | A Comparative Study on System Profit Maximization of a Renewable Combined Deregulated Power System | Electronics, vol. 11, no. 18, 2022 | 10.3390/electronics11182857 | SCIE | Q2 | - |

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|----|--|--|--|-------------------------------|---------------|----|---|
| 6 | M R Chakraborty, Subhojit Dawn , P K Saha, J B Basu, T S Ustun | A Comparative Review on Energy Storage Systems and Their Application in Deregulated Systems | Batteries, vol. 8, no. 9, 2022 | 10.3390/batteries8090124 | SCIE | Q1 | - |
| 7 | Chappa A, K Dhananjay Rao , Ustun TS. | Development of an Enhanced Selective Harmonic Elimination for a Single-Phase Multilevel Inverter with Staircase Modulation | Electronics, vol. 11, no. 23, 2022 | 10.3390/electronics11233902 | SCIE | Q2 | - |
| 8 | J B Basu, Subhojit Dawn , P K Saha, M R Chakraborty, T S Ustun | Economic Enhancement of Wind–Thermal–Hydro System Considering Imbalance Cost in Deregulated Power Market | Sustainability, vol. 14, no. 23, November 2022 | 10.3390/su142315604 | SCIE | Q1 | - |
| 9 | M R Chakraborty, Subhojit Dawn , P K Saha, J B Basu, T S Ustun | System Profit Improvement of a Thermal–Wind–CAES Hybrid System Considering Imbalance Cost in the Electricity Market | Energies, vol. 15, no. 24, December 2022 | 10.3390/en15249457 | SCIE | Q1 | - |
| 10 | T. Papi Naidu, G. Balasubramanian and B Venkateswararao | Optimal Power Flow Control Optimization Problem Incorporating Conventional and Renewable Generation Sources: A Review | International Journal of Ambient Energy, Online ISSN: 2162-8246, December 2022 | 10.1080/01430750.2022.2163287 | ESCI & Scopus | Q3 | - |
| 11 | Vijaychandra J., Prasad B.R.V., Darapureddi V.K., Rao B.V. and Knypiński Ł. | A Review of Distribution System State Estimation Methods and Their Applications in Power Systems | Electronics, vol. 12, no. 3, January 2023 | 10.3390/electronics12030603 | SCIE | Q2 | - |

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|----|--|---|--|----------------------------------|---------------|----|---|
| 12 | Bathina Venkateswararao , Ramesh Devarapalli, Łukasz Knypinski, Sankara Rao Gowri and Fausto Pedro García Márquez | Shunt capacitor placement under n-1 contingency condition: Realization with Mi Power package | Przegląd Elektrotechniczny - 2023, vol. 99, no. 3, pp. 164-171, March 2023 | 10.15199/48.2023.03.29 | ESCI & Scopus | Q4 | - |
| 13 | M R Chakraborty, Subhojit Dawn , P K Saha, J B Basu, T S Ustun | System Economy Improvement and Risk Shortening by Fuel Cell-UPFC Placement in a Wind-Combined System | Energies, vol. 16, no. 4, February 2023 | 10.3390/en16041621 | SCIE | Q1 | - |
| 14 | Bala Saibabu Bommidi, Baddu Naik Bhukya, Swarupa Rani Bondalapati , Hemanth Sai Madupu | Congestion Management in Power Transmission Lines with Advanced Control Using Innovative Algorithm | WSEAS Transactions on Power Systems, vol. 17, pp. 354-363, November 2022 | 10.37394/232016.2022.17.35 | Scopus | Q3 | - |
| 15 | Koganti Srilakshmi, S. Poorna Chander Rao, G. Deepika, B. V. Sai Thrinath, Alapati Ramadevi , Sravanthy Gadameddi, Kongari Dushanth Kumar, Aravindhababu Palanivelu | Performance Analysis of Artificial Intelligence Controller for PV and Battery Connected UPQC | International Journal Of Renewable Energy Research, vol. 13, no. 1, March 2023 | 10.20508/ijrer.v13i1.13523.g8672 | ESCI & Scopus | Q3 | - |
| 16 | Alapati Ramadevi , Koganti Srilakshmi, Praveen Kumar Balachandran, Ilhami Colak, C. Dhanamjayulu, and Baseem Khan | Optimal Design and Performance Investigation of Artificial Neural Network Controller for Solar- and Battery-Connected Unified Power Quality Conditioner | International Journal of Energy Research, vol. 2023, April 2023 | 10.1155/2023/3355124 | SCIE | Q1 | - |
| 17 | Baddu Naik Bhukya, Padmanabha Raju Chinda, Srinivasa Rao Rayapudi, and Swarupa Rani Bondalapati | Advanced Control with an Innovative Optimization Algorithm for Congestion Management in Power Transmission Networks | Engineering Letters, vol. 31, no.1, pp. 194-205, 2023 | - | Scopus | Q2 | - |
| 18 | Łukasz Knypinski, A. V. Reddy, Bathina Venkateswararao , Ramesh Devarapalli | Optimal design of brushless DC motor for electro mobility propulsion applications using Taguchi method | J E E- Elektrotechnika Casopis, vol. 74, no. 2, pp. 123-128, 2023 | 10.2478/jee-2023-0016 | SCIE | Q3 | - |

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|----|---|--|---|-------------------------------|--------------|----|----|
| 19 | Lijo Jacob Varghese, Ramesh Jayaraman , Kumar Cherukupalli, Heeravathi Senthamarai | Performance Analysis of Microgrid Using Wind Power Based on Steady-State Voltage Stability | Electric Power Components and Systems, 2023 | 10.1080/15325008.2023.2210567 | SCIE | Q3 | - |
| 20 | Ravindranath Vankina , CH. S. Harsha Vardhan, Jyoshitha Yannam, V. V. N. P. Sowmya Mounika, T. Anil Kumar, L. Rakesh | Smart Eye Glasses for Visually Impaired People | Industrial Engineering Journal, Volume : 52, Issue 4, April, 2023. | - | UGC Approved | Q4 | UG |
| 21 | A. H. Chander, K. Dhananjay Rao , B. Phaniteja, L Sahu | A Transformer less Photovoltaic Inverter with Dedicated MPPT for Grid Application | IEEE Access, June 2023 | - | SCIE | Q1 | - |
| 22 | Jonnalagadda VK , Elumalai VK. | Nonlinear stabilization and reference tracking of visual servo system using TS fuzzy augmented iterative learning control: Experimental validation | Transactions of the Institute of Measurement and Control. May, 2023 | 10.1177/01423312231169163 | SCIE | Q2 | - |
| 23 | Arup Das, Subhojit Dawn , Sadhan Gope, T S Ustun | A Strategy for System Risk Mitigation Using FACTS Devices in a Wind Incorporated Competitive Power System | Sustainability, vol. 14, no. 13, July 2022 | 10.3390/su14138069 | SCIE | Q1 | - |
| 24 | Ganesh Sampatrao Patil, Anwar Mulla, Subhojit Dawn , Taha Selim Ustun | Profit Maximization with Imbalance Cost Improvement by Solar PV-Battery Hybrid System in Deregulated Power Market | Energies (MDPI), vol. 15, no. 14, July 2022 | 10.3390/en15145290 | SCIE | Q1 | - |
| 25 | J B Basu, Subhojit Dawn , P K Saha, M R Chakraborty, T S Ustun | Risk Mitigation & Profit Improvement of a Wind-Fuel Cell Hybrid System With TCSC Placement | IEEE Access, vol. 11, pp. 39431 - 39447, April 2023 | 10.1109/ACCESS.2023.3267163 | SCIE | Q1 | - |

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|----|---|--|--|--|------------------|----|---|
| 26 | S N V S K Chaitanya , R. Ashok Bakkiyaraj, B. Venkateswara Rao , K. Jayanthi | Scenario-based Method to Solve Optimal Reactive Power Dispatch using Modified Ant Lion Optimizer Considering Uncertainties in Load, Solar, and Wind Power | International Journal of Renewable Energy Research, vol.13, no.4, pp. 579-591, 2023 | 10.20508/ij rer.v13i2.1 3864.g8727 | ESCI & Scopus | Q3 | - |
| 27 | Srinivasarao Thumati, Madhusudana Rao Ranga, Veera Reddy Aduru ,Veera Vasanth Rao Battula, Sravanthi Kantamaneni | Hybrid Dandelion Optimizer-based Multi-Objective Photovoltaic Power Penetration Maximisation in Reconfigurable Distribution Networks | International Journal Of Intelligent In Engineering And Systems, vol.16, no. 4, pp. 105-114, 2023 | 10.22266/ij ies2023.08 31.09 | ESCI & Scopus | Q2 | - |
| 28 | Shreya Shree Das, Jayendra Kumar, Subhojit Dawn , Ferdinando Salata | Existing Stature and Possible Outlook of Renewable Power in Comprehensive Electricity Market | Processes (MDPI), vol. 11, no. 6, June 2023 | 10.3390/pr 11061849 | SCIE | Q2 | - |
| 29 | Vutukuri Sarvani Duti Rekha, Swarupa Rani Bondalapati , Ratna Kumari Vemuri, Ramarao Gude, Praveen Tumuluru, Surya Prasada Rao Borra | New Services And Applications Can Leverage The Power Of Low Reliable And Latency Communication For Mission Critical Distributed Industrial Internet Of Things | Journal of Theoretical and Applied Information Technology, vol. 101, no. 12, 2023 | - | Scopus | Q4 | - |

International Conferences

| Sl. No. | Author Name | Title of the Paper | Publication Details | DOI | SCI/SCIE/ SCOPUS/ WOS/ UGC | Publishers | UG/PG |
|---------|--|---|---|--|-------------------------------------|------------|-------|
| 1 | A. Rama Devi , Krishna Kumari. N, I.V.S.A. Shesha Sai, D. Ravi Kumar, I. Neelima and Naga Swetha. B | Novel Configuration of Multilevel Inverter Topology with Less Number of Switches | 2022 2nd Asian Conference on Innovation in Technology 26th-28th August 2022 | 10.1109/A SIANCON 55314.2022 .9908599 | SCOPUS | IEEE | - |
| 2 | Cherukuri syam sundar, Gummadi Srinivasa Rao | Optimal scheduling of multi-objective hydro-thermal- wind using NSGSA technique | Int Conf on Innovative Product Design and Intelligent Manufacturing | 10.1007/97 8-981-99- 1665-8_53 | SCOPUS | Springer | PG |

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|---|---|---|--|-----------------------------|--------|----------|----|
| 3 | Gummadi Srinivasa Rao, V Harivamsi, B.Venkateswara Rao | Transmission Pricing using MW Mile Method in Deregulated Environment | International Conference on Communication and Intelligent Systems (ICCIS-2022), Organized by NIT Delhi, during 19-20 December 2022 | 10.1007/978-981-99-2322-9_3 | SCOPUS | Springer | - |
| 4 | Bondalapati Devasahayam and B.Venkateswara Rao | Multi-Objective Optimal Power Flow using Krill Herd Algorithm | International Conference on Innovative Product Design and Intelligent Manufacturing System (ICIPDMS-2022), Organized by NIT Rourkela, during 25-26 November 2022 | - | SCOPUS | Springer | PG |
| 5 | K. Bhaskara Sandhya, S N V S K Chaitanya, B. Venkateswara Rao, R. Ashok Bakkiyaraj | Optimal Reactive Power Dispatch Using Improved Grey Wolf Algorithm | International Conference on Innovative Product Design and Intelligent Manufacturing System (ICIPDMS-2022), Organized by NIT Rourkela, during 25-26 November 2022 | - | SCOPUS | Springer | PG |
| 6 | Chaitanya, S.N.V.S.K., Bakkiyaraj, R.A. & Rao, B.V., K. Jayanthi | Scenario-Based approach to solve optimal reactive power Dispatch problem with integration of solar energy using Modified Ant Line Optimizer | 8 th International Conference on Cyber Security and Privacy in Communication Networks (ICCS) 2022, | - | SCOPUS | Springer | - |

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|----|--|--|---|--|--------|----------|----|
| 7 | Veera Reddy Aduru and Mahesh Kumar. B | Eccentricity condition monitoring of switched reluctance machine using Intelligence electronic device | International Conference on Innovative Product Design and Intelligent Manufacturing System (ICIPDMS- 2022), Organized by NIT Rourkela, during 25-26 November, 2022 | - | SCOPUS | Springer | - |
| 8 | K Dhananjay Rao, M Satyadev, A Dasapureddy, K Nagamalleswara Rao | Machine Learning Based Cardiovascular Disease Prediction | International Conference on Computer Power and Communicatio n (ICCP- 2022), Sairam Institute of Technology, Chennai | 10.1109/IC CPC55978. 2022.10072 072 | SCOPUS | IEEE | UG |
| 9 | Manish Kumar Barmar, A Hema chander and K Dhananjay Rao | Multi-Input Multi- Output Power Converter for LED Applications | Power electronics, Drives and Energy Systems PEDES-22, MNIT, Jaipur, 2022 | 10.1109/PE DES56012. 2022.10080 572 | SCOPUS | IEEE | - |
| 10 | D Yamini, Gummadi Srinivasarao, M Tejaswi, M Gowtham Vishal and M Vennela | Enhancement of Solar Panel Efficiency | 3rd International Conference on Innovations in Energy Management and Renewable Resources (IEMRE 2023), Organized by Institute of Engineering & Management, Kolkata, during 16-18 February 2023 | | SCOPUS | Springer | UG |

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|----|--|--|--|------------------------------------|--------|----------|----|
| 11 | N. Nagoju, E. B. Chakravarthi and R. Jayaraman | Enhanced Electronic Voting Machine Performance with an E-Voting Website | 2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA), Coimbatore, India, 2022, | 10.1109/ICIRCA5461.2.2022.9985677 | SCOPUS | IEEE | UG |
| 12 | K. Dhananjay Rao , L.Sucharita, A.Daveed, K.Yuva sai Srinivas and T.Vineela | Lithium Ion Battery Modeling and State of Charge Estimation using Kalman Filter based Observer | INOCON-2023, Bangaluru, IEEE Conference, March 3-5, 2023 | 10.1109/INOCON57975.2023.10101333 | SCOPUS | IEEE | UG |
| 13 | Rasheed Ahamed Md, Subhojit Dawn , Bhargavi E, Jayanth K and Saketh Bhargav R | System Profit Valuation of a Wind Incorporated Competitive Power System | 3rd IEMRE 2023, Department of EE & EEE, Institute of Engineering & Management, Kolkata, India during February 16th-18th, 2022 | - | SCOPUS | Springer | UG |
| 14 | Manasa Vemula, Subhojit Dawn , Akshitha Machagiri, Sai Lalitha Potipireddi and Baby Rukmini Bobbili | System Profit Assessment of a Solar Integrated Deregulated Power System | International Conference on Power, Instrumentation, Energy, and Control (PIECON2023), Aligarh Muslim University, Aligarh, UP - 202002, India, 10 - 12 February, 2023 | 10.1109/PIECON5691.2.2023.10085889 | SCOPUS | IEEE | UG |
| 15 | Sai Rama Krishna Parimi, Subhojit Dawn , Hema Karri, Ajay Polavarapu and Rahul Yakasiri | A Comparative Study of CSP to Produce Electricity Even at Night | 2nd International Conference on Sustainable Computing and Data Communication Systems ICSCDS-2023. | 10.1109/ICSCDS56580.2023.10104865 | SCOPUS | IEEE | UG |

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|----|--|--|--|-----------------------------------|--------|------|----|
| 16 | Veera Reddy Aduru, Vimala Kumari J and Sireesha A | Effect of Inter-Turn Short Circuit Fault on Performance Parameters of Permanent Magnet Synchronous Motor using Finite Element Method | IEEE International Conference on Power Instrumentation Energy and Control (PIECON) 2023, Muslim Aligarh University, U.P, 10-12 February 2023 | 10.1109/PIECON56912.2023.10085899 | SCOPUS | IEEE | - |
| 17 | Kandikonda S V S K Devi Prakash, Veera Reddy Aduru , Reddy Harsha Vardhan Manikanta, Ganta Navya Sai Sri and Shaik Afthab | Arduino-Based Railway line tracking system for Mitigating Animal Accidents | 7th International Conference on Computing Methodologies and Communication (ICCCMC 2023), Surya Engineering College, Tamil nadu, India, 23-25 February 2023 | 10.1109/ICCMC56507.2023.10083688 | SCOPUS | IEEE | UG |
| 18 | V.Kalandhar, A. Veera Reddy , G.Y. Tejasree, G. Udith and R. Gowtham Charan | Analysis Of Hybrid Inverter With Solar Battery Charging System For Implementation | 7th International Conference on Computing Methodologies and Communication (ICCCMC 2023), Surya Engineering College, Tamil nadu, India, 23-25 February 2023 | - | SCOPUS | IEEE | UG |
| 19 | SivaRam Santhan. P, Pujitha. S, Vamsi Krishna . N , Manideepak Kumar. B and Mallika. M | Smart Energy Meter Monitoring Using RS485 | 7th International Conference on Computing Methodologies and Communication (ICCCMC 2023) | 10.1109/ICCMC56507.2023.10083637 | SCOPUS | IEEE | UG |

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|----|--|--|---|---|--------|----------|----|
| 20 | Suneel Tummapudi, Thabassum Mohammed,Ravi Kiran Peetala,Sitaravamma Chilla and Prabhunandan Paul Bollavarapu | Solar-Powered Wireless Charging Station for Electric Vehicles | IEEE International Conference on Power Instrumentatio n Energy and Control (PIECON) 2023 held during 10-12 February, 2023, Muslim Aligarh University, U.P | 10.1109/PI ECON5691 2.2023.100 85752 | SCOPUS | IEEE | UG |
| 21 | Rajitha Rayala, Vimala Jonnalagadda, Venkata Sai Sriya Vempati, Geetha Sravani Tumuluri and Jyothisri Tedla | Colour Detection And Sorting Of Objects Using IoT | International conference, 2022 Second International Conference on Next Generation Intelligent Systems (ICNGIS), Kottayam, Kerala, India | 10.1109/IC NGIS5495 5.2022.100 79835 | SCOPUS | IEEE | UG |
| 22 | S. Y. Vamsi Kumar, M. Mukku, V. K. Jonnalagadda, A. Gudidh, M. Mukku and P. Kumar | Speed Control Analysis of an Electrical Vehicle by Using Fuzzy- PID and ANFIS Controllers | 2022 3rd International Conference on Communicatio n, Computing and Industry 4.0 (C2I4), Bangalore, India, 2022 | 10.1109/C2 I456876.20 22.1005123 | SCOPUS | IEEE | UG |
| 23 | Lakshmi Kumari SVR, Himaja Rakhi Ch, Sathyanarayana PLV, Dileep B, and Abhinav A | Object detection and warning System to avoid Forward Collision in Adverse Whether | Int Conf on Electrical, Electronics, Information And Communicatio Technologies (ICEEICT 2023), IEEE, Apr. 2023. | - | SCOPUS | IEEE | UG |
| 24 | P. Sai Kiran, Venkateswara Rao B, G. Satyamohan Sarveswar, P. Manikanta | IoT-based Monitoring and Controlling of Substation Parameters | 2nd International Conference on Renewable Power (ICRP- 2023), | - | SCOPUS | Springer | UG |

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|----|--|---|--|-------------------------------------|--------|----------|----|
| 25 | Guttavilli Harini, P. Venkatesh | Optimal reactive power dispatch using hybrid whale and sine cosine optimization algorithm | International Conference on Innovations in engineering and technology (ICIET-2022), Organized by JNTUH, Hyderabad, 15-17, September 2022 | - | SCOPUS | - | PG |
| 26 | P. Venkatesh, D Vimala | Frequency regulation in deregulated power system using robust firefly swarm hybrid optimization | International Conference on emerging trends in science, engineering and technology (ICESET-2023), Andhra Loyola college, 20-22 February 2023 | - | SCOPUS | Elsevier | UG |
| 27 | Chaitanya Priya Devarapu, M.L.N Vital , Kalyan Pasumarthi Chinmaya, Koteswararao Lanke, Praneetha Kade | Battery Management System Using Cell Charge Balancing Topology In Electric Vehicle | 6th International Conference On Inventive Computation Technologies, ICICT-2023, Lalitpur Nepal, 26th-28th April 2023 | 10.1109/IC ICT57646. 2023.10134 090 | SCOPUS | IEEE | UG |
| 28 | Nanadakuditi Bhavana, R Madhusudhana Rao | High Security Alert System for Industrial Atmospheric Parameters | IEEE ICCMC-2023, India, 4th April 2023 | 10.1109/IC CMC56507 .2023.1008 3512 | SCOPUS | IEEE | UG |
| 29 | Sai Sirisha Pulleti, Hari Vamsi Valluru , Pavan Kumar Putta, Sowmya Inturi, Hashar OC, Manasa Vanajakshi Jaliparthi | Arduino Based Voice Controlled Wheelchair for Physically Challenged Persons | 9th International Conference on Electrical energy Systems, ICEES 2023 | 10.1109/IC EES57979. 2023.10110 267 | SCOPUS | IEEE | UG |
| 30 | Ejjada Manoj Kumar, Abdul Zahoor, V.Ravindranadh Chowdary , Ch. Sri | Smart Wearable Device To Prevent Accidents Caused By Medical | 7th Int Conference on Computing Methodologies | 10.1109/IC CMC56507 .2023.1008 426 | SCOPUS | IEEE | UG |

| | | | | | | | |
|----|---|--|---|----------------------------------|--------|----------|----|
| | Lakshmi Sruthi, Kandala Vaishnavi, , | Emergencies | and Communication (ICCMC 2023), 23-25 February 2023 | | | | |
| 31 | Madduri Tarun, Vimala Kumari Jonnalagadda , Ayinapuru Jaswitha Sai, Kodali Nivas, Prattipati Vamsi Mohan | Heart Stroke Prediction Using Different Machine Learning Algorithms | World Conference on Artificial Intelligence: Advances and Applications (WCAIAA 2023), Sir Padampt Singhania University, Udaipur, India, March 18-19, 2022 | - | SCOPUS | - | UG |
| 32 | S. S. Pattanaik, A. K. Sahoo, R. Panda | Day-ahead profit forecasting of microgrid using LSTM algorithm | 2023 9th International Conference on Electrical Energy Systems (ICEES), Chennai, India, 2023 | 10.1109/ICEES57979.2023.10110058 | SCOPUS | - | - |
| 33 | Indira D , Aare Anand, T Thanmai Reethika, H Sai Niharika | Integration of Renewable Energy Resources to EV Using Sensor less Control and Regenerative Braking | International Conference on Emerging Trends in Engineering, Advances in Engineering Research of Atlantis press, Springer, Apr 2023 | - | SCOPUS | Springer | UG |
| 34 | Ch. Sunil Kumar, T. Sai Sowmya, Subhojit Dawn , Sk. Mounib Baig, D. Anusha | Impact Assessment of Solar PV in Deregulated Power Market | 2022 IEEE Students Conference on Engineering and Systems (SCES), Prayagraj, India, 01-03 July 2022 | 10.1109/SCES55490.2022.988778 | SCOPUS | IEEE | UG |
| 35 | Doddigalla Anusha, Subhojit Dawn , Mandepudi Bhargav, Ganta Vimal Sharon, | Economic Enhancement of Wind Farm Integration in | 2022 IEEE Students Conference on Engineering | 10.1109/SCES55490.2022.988772 | SCOPUS | IEEE | UG |

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|----|--|---|---|--|--------|------|----|
| | Telluri Sai Sowmya, Chintarala Sunil Kumar | Deregulated Power System | and Systems (SCES), Prayagraj, India, 01-03 July 2022 | | | | |
| 36 | Manasa Vemula, Subhojit Dawn , Akshitha Machagiri, Sai Lalitha Potipireddi and Baby Rukmini Bobbili | Fault Detection in Railway Track using GSM And GPS System | 2023 7th International Conference on Trends in Electronics and Informatics (ICOEI), Tirunelveli, India, 11-13 April 2023 | 10.1109/IC OEI56765. 2023.10125 887 | SCOPUS | IEEE | UG |
| 37 | T. Suneel , Som Sundar, Siva Narayana, Sri naga Tarun, Murali | Deep Learning Based Weed Detection and Elimination in Agriculture | 6th International Conference On Inventive Computation Technologies, ICICT-2023, Lalitpur Nepal, 26th-28th April 2023 | 10.1109/IC ICT57646. 2023.10134 186 | SCOPUS | - | UG |
| 38 | P. Sai Kiran, Venkateswara Rao B , G. Satyamohan Sarveswar, P. Manikanta | IoT based Transmission line Fault Identification and Protection System | International Conference on Innovations in the Power Sector towards Sustainable Development Goals Kolkata, 23-24 June 2023 | - | - | - | UG |
| 39 | Ch Rajasekhar, Venkateswara Rao B , G Jagadeesh Harsha, V Pavan Kumar | Development of a Hybrid Renewable Energy for an Off- Grid System on the Island using Homer Software | International Conference on Innovations in the Power Sector towards Sustainable Development Goals (iPSSDG), Damodar Vally Corporation Kolkata, 23-24 June 2023 | - | - | - | UG |

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|----|--|--|--|-----------------------------------|--------|------|----|
| 40 | A. Pavuluri, S. N. V. S. K. Chaitanya , V. Nalathoti, V. Jangam and N. Adimulam | Portable Digital Oscilloscope using Arduino | 2023 International Conference on Inventive Computation Technologies (ICICT), Lalitpur, Nepal, 2023 | 10.1109/ICICT57646.2023.10134297 | SCOPUS | IEEE | UG |
| 41 | G. Vineeth, J. L. Aishwarya, B. Sowmya, B. S. Rani , M. Narasimha | Power Quality Enhancement in Grid-Connected Renewable Energy Sources Using MC-UPQC | 2023 International Conference on Power, Instrumentation, Energy and Control (PIECON), Aligarh, India, 2023 | 10.1109/PIECON56912.2023.10085824 | SCOPUS | IEEE | UG |

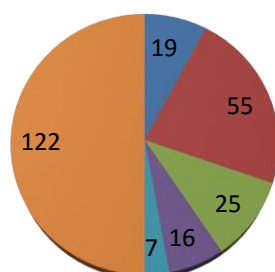
Book Chapters

| Sl. No. | Author Name | Title of the Paper | Publication Details | DOI | SCOPUS/WOS/UGC | Publishers | UG/PG |
|---------|--|--|---|------------------------------|----------------|------------|-------|
| 1 | Varma, G.K., Rao, B.V. | Multi-objective Optimal Power Flow Using Whale Optimization Algorithm Consists of Static VAR Compensator | In: Sengodan T., Murugappan M., Misra S. (eds) Advances in Electrical and Computer Technologies. Lecture Notes in Electrical Engineering, vol. 881. Springer, Singapore, 2022 | 10.1007/978-981-19-1111-8_66 | SCOPUS | Springer | PG |
| 2 | V Pavan Kumar, Venkateswara Rao B , G Jagadeesh Harsha, MD John Saida, A.B.V Mohana Rao | Arduino-based Unmanned Vehicle to provide assistance under Emergency conditions | Recent Trends in Product Design and Intelligent Manufacturing Systems, Lecture Notes in Mechanical Engineering, Springer, Singapore, pp 163–169, 2022 | 10.1007/978-981-19-4606-6_17 | SCOPUS | Springer | UG |

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|---|---|---|---|------------------------------|--------|----------|----|
| 3 | O. Satya, GummadiSrinivasa Rao, Venkateswararao B | Firefly Algorithm established Economic Load Dispatch with loss coefficients | Recent Trends in Product Design and Intelligent Manufacturing Systems, Lecture Notes in Mechanical Engineering, Springer, Singapore, pp 775–785, 2022 | 10.1007/978-981-19-4606-6_71 | SCOPUS | Springer | UG |
| 4 | Rani, I.L., Dhananjay Rao, K. , Preetham, P., Chaitanya, G. | Design of Lithium-Ion Battery Thermal Management System for Vehicular Applications | In: Gupta, O.H., Singh, S.N., Malik, O.P. (eds) Recent advances in Power Systems. Lecture Notes in Electrical Engineering, vol. 960, Springer | - | SCOPUS | Springer | UG |
| 5 | Ajaybabu, R. Naga, K. Dhananjay Rao, B. Krishna Kanth, K. Madhuchandan, and K. Jayanth | Lithium Iron Phosphate Battery and Ultracapacitor Based Hybrid Storage System to Enhance Overall System Performance of Electric Vehicle | Renewable Resources and Energy Management, pp. 472-479. CRC Press, 2023 | - | SCOPUS | T&F | UG |
| 6 | T. Sai Sowmya, Subhojit Dawn, Ch. Sunil Kumar, Sk. Mounib Baig, R. Varaprasad | Wireless Solar Power Transmission System | Renewable Resources and Energy Management, CRC Press, 2023 | - | SCOPUS | T&F | UG |
| 7 | Doddigalla Anusha, Mandepudi Bhargav, Subhojit Dawn , Paladi Venkata Varshini, Ganta Vimal Sharon, Puli Mani Veera Sal | Gesture Controlled Home Automation Using Python OpenCV | Renewable Resources and Energy Management, CRC Press, 2023 | - | SCOPUS | T&F | UG |

Faculty Publications 2022-23

■ SCI ■ Scopus Indexed ■ IEEE Conferences
 ■ Other Conferences ■ Book Chapters ■ Total



FACULTY INTERACTION WITH OUTSIDE WORLD



Dr. Subhojit Dawn, Assistant Professor/EEE has received Best Associate Editor Award from Journal of Electrical Engineering and Technology

RESULT ANALYSIS (BATCH: 2019-2023)

| S. No | SEMESTER | PASS PERCENTAGE |
|-------|------------------|-----------------|
| 1. | First Semester | 77.78 |
| 2. | Second Semester | 41.60 |
| 3. | Third Semester | 86.33 |
| 4. | Fourth Semester | 81.43 |
| 5. | Fifth Semester | 87.05 |
| 6. | Sixth Semester | 84.17 |
| 7. | Seventh Semester | 90.44 |
| 8. | Eighth Semester | 99.26 |

DEPARTMENT TOPPER (2019-2023)



CGPA: 9.24

(First Class with Distinction)

PULETI SAI SIRISHA

(198W1A02B4)

TRAINING & PLACEMENTS

The Training & Placement (T&P) Cell plays a crucial role in preparing students for successful careers by equipping them with industry-relevant skills. Our mission is to enhance employability through comprehensive training programs, ensuring that students secure placements in leading companies. The T&P Cell conducts technical training, aptitude sessions, soft skills development, and mock interviews to make students industry-ready. We collaborate with top recruiters, multinational corporations, and core industries to facilitate on-campus and off-campus placements. Regular workshops, guest lectures, and industrial visits provide hands-on exposure to real-world challenges. With a strong focus on career counseling and mentorship, we guide students toward placement success, internships, and higher education opportunities. Our goal is to ensure that every student steps into the corporate world with confidence, competence, and a competitive edge.

| Name of the Company | Pay package (LPA) | No of Students |
|--------------------------------------|-------------------|----------------|
| DELOITTE | 8 | 4 |
| TCS DIGITAL | 7.2 | 4 |
| BLUE DANIO SEA SERVICES | 6.0 | 4 |
| VIRTUSA | 5.5 | 6 |
| TORRY HARIS | 5.0 | 1 |
| ACCENTURE | 4.5 | 11 |
| COGNIZANT | 4.0 | 19 |
| MINDTREE | 4.0 | 11 |
| SPIDERS | 4.0 | 2 |
| MGH | 4.0 | 4 |
| TCS NINJA | 3.96 | 10 |
| THERMAL SYSTEMS | 3.0 | 2 |
| JUST DIAL | 3.0 | 4 |
| STS | 2.65 | 7 |
| KCP | 2.16 | 1 |
| STANADYNE | 2.0 | 24 |
| GROW CONTROL | 1.80 | 1 |
| PANTA ANALOG AND DIGITAL SYSTEMS | 1.44 | 4 |
| Total no of selected students | | 119 |



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

TRAINING & PLACEMENTS SELECTED LIST A.Y 2022-23

| COMPANY NAME | PAY PACKAGE (LPA) | NO. OF STUDENTS | COMPANY NAME | PAY PACKAGE (LPA) | NO. OF STUDENTS |
|--|-------------------|-----------------|--|-------------------|-----------------|
| Deloitte. | 8.00 | 4 |  | 4.00 | 4 |
|  TCS DIGITAL | 7.20 | 4 | tcs NINJA | 3.96 | 10 |
|  BLUE DANIO SEA SERVICES | 6.00 | 4 |  THERMAL systems (Hyderabad) Pvt Ltd | 3.00 | 2 |
|  virtusa Accelerating Business Outcomes | 5.50 | 6 | Justdial | 3.00 | 4 |
| Torry Harris | 5.00 | 1 |  sts SURYA TECH SOLUTIONS | 2.65 | 7 |
|  accenture | 4.50 | 11 |  k l p | 2.16 | 1 |
| Cognizant | 4.00 | 19 |  Stanadyne | 2.00 | 24 |
|  Mindtree | 4.00 | 11 | •GROWCONTROL | 1.80 | 1 |
|  Spiders | 4.00 | 2 | PANDA ANALOG & DIGITAL SYSTEMS | 1.44 | 4 |

Total Selected Students: 119



VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE
(AUTONOMOUS)



STUDENTS ONLINE COURSES THROUGH NPTEL

| S.NO | ROLL NUMBER | NAME OF THE STUDENT | COURSE TITLE | YEAR | PERCENTAGE | GRADE | GENDER |
|------|-------------|---------------------------|--|---------|------------|----------------|--------|
| 1. | 198W1A0244 | P SHAMILI | ANALOG COMMUNICATION | 2022-23 | 52 | NIL | FEMALE |
| 2. | 198W1A0246 | P DINESH | ANALOG COMMUNICATION | 2022-23 | 56 | NIL | MALE |
| 3. | 198W1A0247 | R SHANMUKHA RAO | ANALOG COMMUNICATION | 2022-23 | 53 | NIL | MALE |
| 4. | 198W1A0254 | S DURGA BHAVANI | ANALOG COMMUNICATION | 2022-23 | 47 | NIL | FEMALE |
| 5. | 198W1A0281 | E MANOJ KUMAR | C BASED VLSI DESIGN | 2022-23 | 47 | NIL | MALE |
| 6. | 208W5A0202 | CH SRI HARSHA VARDHAN | ANALOG COMMUNICATION | 2022-23 | 57 | NIL | MALE |
| 7. | 208W5A0203 | CH SIRARAVAMMA | ANALOG COMMUNICATION | 2022-23 | 49 | NIL | FEMALE |
| 8. | 208W5A0204 | D VAMSI | ANALOG COMMUNICATION | 2022-23 | 53 | NIL | MALE |
| 9. | 208W5A0207 | SAI KIRAN | ANALOG COMMUNICATION | 2022-23 | 43 | NIL | MALE |
| 10. | 208W5A0215 | S SIVANARAYANA | ANALOG COMMUNICATION | 2022-23 | 60 | ELITE | MALE |
| 11. | 208W1A0201 | A RENUKA DEVI | CLOUD COMPUTING | 2022-23 | 61 | ELITE | FEMALE |
| 12. | 208W1A0202 | A MURALIDHAR | DATA ANALYTICS WITH PYTHON | 2022-23 | 54 | NIL | MALE |
| 13. | 208W1A0202 | A MURALIDHAR | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 64 | ELITE | MALE |
| 14. | 208W1A0203 | A SHANMUKHA VISHNU MAHESH | CLOUD COMPUTING | 2022-23 | 73 | ELITE | MALE |
| 15. | 208W1A0203 | A SHANMUKHA VISHNU MAHESH | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 60 | ELITE | MALE |
| 16. | 208W1A0204 | A SURENDRA BABU | DATA ANALYTICS WITH PYTHON | 2022-23 | 69 | ELITE | MALE |
| 17. | 208W1A0205 | B DILIP KUMAR | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 54 | NIL | MALE |
| 18. | 208W1A0206 | B PRASANTHI | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | FEMALE |
| 19. | 208W1A0206 | B PRASANTHI | CLOUD COMPUTING | 2022-23 | 69 | ELITE | FEMALE |
| 20. | 208W1A0207 | B JAYAVAISHNAVI | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 51 | NIL | FEMALE |
| 21. | 208W1A0208 | B GAYATHRI | CLOUD COMPUTING | 2022-23 | 64 | ELITE | FEMALE |
| 22. | 208W1A0210 | B AKHIL KUMAR | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | MALE |
| 23. | 208W1A0210 | B AKHIL KUMAR | CLOUD COMPUTING | 2022-23 | 65 | ELITE | MALE |
| 24. | 208W1A0211 | C HARI TEJA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 65 | ELITE | MALE |
| 25. | 208W1A0211 | C HARI TEJA | DATA ANALYTICS WITH PYTHON | 2022-23 | 79 | ELITE + SILVER | MALE |
| 26. | 208W1A0212 | D SATYANNARAYANA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 58 | NIL | MALE |
| 27. | 208W1A0212 | D SATYANNARAYANA | CLOUD COMPUTING | 2022-23 | 61 | ELITE | MALE |
| 28. | 208W1A0213 | D VENKATA NIHARIKA SWATHI | CLOUD COMPUTING | 2022-23 | 55 | NIL | FEMALE |
| 29. | 208W1A0214 | D VENKATA SAI SATHISH | CLOUD COMPUTING | 2022-23 | 63 | ELITE | MALE |
| 30. | 208W1A0214 | D VENKATA SAI SATHISH | OPERATION AND DISTRIBUTION SYSTEMS | 2022-23 | 51 | NIL | MALE |
| 31. | 208W1A0215 | D MOUNIKA | CLOUD COMPUTING | 2022-23 | 67 | ELITE | FEMALE |

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|-----|------------|----------------------------|--|---------|----|----------------------|--------|
| 32. | 208W1A0215 | D MOUNIKA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 55 | NIL | FEMALE |
| 33. | 208W1A0216 | G SIVA NANDU | CLOUD COMPUTING | 2022-23 | 65 | ELITE | MALE |
| 34. | 208W1A0217 | G KUMAR | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 56 | NIL | MALE |
| 35. | 208W1A0217 | G KUMAR | CLOUD COMPUTING | 2022-23 | 63 | ELITE | MALE |
| 36. | 208W1A0218 | G LAVANYA | CLOUD COMPUTING | 2022-23 | 58 | NIL | FEMALE |
| 37. | 208W1A0218 | G LAVANYA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | FEMALE |
| 38. | 208W1A0219 | P HIMA CHOWDARY | CLOUD COMPUTING | 2022-23 | 81 | ELITE +SILV ER | FEMALE |
| 39. | 208W1A0219 | P HIMA CHOWDARY | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 62 | ELITE | FEMALE |
| 40. | 208W1A0220 | J NIKHIL KUMAR | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | MALE |
| 41. | 208W1A0220 | J NIKHIL KUMAR | CLOUD COMPUTING | 2022-23 | 64 | ELITE | MALE |
| 42. | 208W1A0221 | J PUNEETH SAI SANKAR | CLOUD COMPUTING | 2022-23 | 66 | ELITE | MALE |
| 43. | 208W1A0221 | J PUNEETH SAI SANKAR | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 55 | NIL | MALE |
| 44. | 208W1A0222 | K NIHARIKA | CLOUD COMPUTING | 2022-23 | 55 | NIL | FEMALE |
| 45. | 208W1A0222 | K NIHARIKA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 54 | NIL | FEMALE |
| 46. | 208W1A0223 | K DEVI SRI BHANU PRASAD | CLOUD COMPUTING | 2022-23 | 76 | ELITE +SILV ER | MALE |
| 47. | 208W1A0223 | K DEVI SRI BHANU PRASAD | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | MALE |
| 48. | 208W1A0224 | K MOHAN CHAND | CLOUD COMPUTING | 2022-23 | 60 | ELITE | MALE |
| 49. | 208W1A0225 | K JANANIKA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | FEMALE |
| 50. | 208W1A0226 | K JAYANTH | CLOUD COMPUTING | 2022-23 | 64 | ELITE | MALE |
| 51. | 208W1A0226 | K JAYANTH | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | MALE |
| 52. | 208W1A0227 | K BLESSY BABU | CLOUD COMPUTING | 2022-23 | 55 | NIL | MALE |
| 53. | 208W1A0227 | K BLESSY BABU | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 50 | NIL | MALE |
| 54. | 208W1A0228 | K MADHU KUMAR | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | MALE |
| 55. | 208W1A0228 | K MADHU KUMAR | CLOUD COMPUTING | 2022-23 | 67 | ELITE | MALE |
| 56. | 208W1A0229 | A MEGHANA PRIYA | CLOUD COMPUTING | 2022-23 | 57 | NIL | FEMALE |
| 57. | 208W1A0231 | M HEMA | CLOUD COMPUTING | 2022-23 | 63 | ELITE | FEMALE |
| 58. | 208W1A0232 | MD IMRAN SHAREEF | CLOUD COMPUTING | 2022-23 | 70 | ELITE | MALE |
| 59. | 208W1A0232 | MD IMRAN SHAREEF | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | MALE |
| 60. | 208W1A0233 | M VENKATA SAI PAVAN | CLOUD COMPUTING | 2022-23 | 54 | NIL | MALE |
| 61. | 208W1A0233 | M VENKATA SAI PAVAN | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 55 | NIL | MALE |
| 62. | 208W1A0234 | N SADHVIK | CLOUD COMPUTING | 2022-23 | 57 | NIL | MALE |
| 63. | 208W1A0236 | N NAGABABU | CLOUD COMPUTING | 2022-23 | 63 | ELITE | MALE |
| 64. | 208W1A0236 | N NAGABABU | OPERATION AND | 2022-23 | 58 | NIL | MALE |

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| | | | PLANNING OF POWER DISTRIBUTION SYSTEMS | | | | |
| 65. | 208W1A0238 | P KOUSHIK | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 51 | NIL | MALE |
| 66. | 208W1A0238 | P KOUSHIK | CLOUD COMPUTING | 2022-23 | 61 | ELITE | MALE |
| 67. | 208W1A0240 | P MEENAKSHI | CLOUD COMPUTING | 2022-23 | 65 | ELITE | FEMALE |
| 68. | 208W1A0240 | P MEENAKSHI | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 51 | NIL | FEMALE |
| 69. | 208W1A0241 | PURNANANDA PUTHI | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 47 | NIL | MALE |
| 70. | 208W1A0242 | R ABHISHEK ARYA | CLOUD COMPUTING | 2022-23 | 66 | ELITE | MALE |
| 71. | 208W1A0242 | R ABHISHEK ARYA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | MALE |
| 72. | 208W1A0243 | R ANGEL | CLOUD COMPUTING | 2022-23 | 57 | NIL | FEMALE |
| 73. | 208W1A0244 | S DEVA HARSHINI | CLOUD COMPUTING | 2022-23 | 57 | NIL | FEMALE |
| 74. | 208W1A0245 | SK HASAN AHMED | CLOUD COMPUTING | 2022-23 | 60 | ELITE | MALE |
| 75. | 208W1A0245 | SK HASAN AHMED | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 51 | NIL | MALE |
| 76. | 208W1A0247 | S SAI AKHIL | CLOUD COMPUTING | 2022-23 | 63 | ELITE | MALE |
| 77. | 208W1A0247 | S SAI AKHIL | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 60 | ELITE | MALE |
| 78. | 208W1A0249 | S THARUN | CLOUD COMPUTING | 2022-23 | 61 | ELITE | MALE |
| 79. | 208W1A0250 | T MANASA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | FEMALE |
| 80. | 208W1A0250 | T MANASA | CLOUD COMPUTING | 2022-23 | 76 | ELITE +SILVER | FEMALE |
| 81. | 208W1A0251 | T KRISHNASRI SRAVAN | CLOUD COMPUTING | 2022-23 | 57 | NIL | MALE |
| 82. | 208W1A0252 | T NITHYA | CLOUD COMPUTING | 2022-23 | 69 | ELITE | FEMALE |
| 83. | 208W1A0252 | T NITHYA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 61 | ELITE | FEMALE |
| 84. | 208W1A0253 | V SWETHA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 56 | NIL | FEMALE |
| 85. | 208W1A0253 | V SWETHA | CLOUD COMPUTING | 2022-23 | 71 | ELITE | FEMALE |
| 86. | 208W1A0254 | V VANDANA | DATA ANALYTICS WITH PYTHON | 2022-23 | 60 | ELITE | FEMALE |
| 87. | 208W1A0255 | V MANI KANTH | CLOUD COMPUTING | 2022-23 | 67 | ELITE | FEMALE |
| 88. | 208W1A0257 | B VIJAYASRI NISHITHA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 58 | NIL | FEMALE |
| 89. | 208W1A0257 | B VIJAYASRI NISHITHA | CLOUD COMPUTING | 2022-23 | 64 | ELITE | FEMALE |
| 90. | 208W1A0258 | Y JYOTHI | INTRODUCTION TO INTERNET OF THINGS | 2022-23 | 82 | ELITE +SILVER | FEMALE |
| 91. | 208W1A0258 | Y JYOTHI | THE JOY OF COMPUTING USING PYTHON | 2022-23 | 81 | ELITE +SILVER | FEMALE |
| 92. | 208W1A0258 | Y JYOTHI | PRIVACY AND SECURITY IN ONLINE SOCIAL MEDIA | 2022-23 | 60 | ELITE | FEMALE |
| 93. | 208W1A0258 | Y JYOTHI | CLOUD COMPUTING | 2022-23 | 63 | ELITE | FEMALE |
| 94. | 208W1A0258 | Y JYOTHI | DATA ANALYTICS WITH PYTHON | 2022-23 | 63 | ELITE | FEMALE |
| 95. | 208W1A0258 | Y JYOTHI | OPERATION AND | 2022-23 | 53 | NIL | FEMALE |

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| | | | PLANNING OF POWER DISTRIBUTION SYSTEMS | | | | |
| 96. | 208W1A0258 | Y JYOTHI | DATA SCIENCE FOR ENGINEERS | 2022-23 | 55 | NIL | FEMALE |
| 97. | 208W1A0259 | Y CHAITANYA GOUD | CLOUD COMPUTING | 2022-23 | 55 | NIL | MALE |
| 98. | 208W1A0259 | Y CHAITANYA GOUD | THE JOY OF COMPUTING USING PYTHON | 2022-23 | 80 | ELITE +SILVER | MALE |
| 99. | 208W1A0259 | Y CHAITANYA GOUD | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | MALE |
| 100. | 208W1A0259 | Y CHAITANYA GOUD | DATA SCIENCE FOR ENGINEERS | 2022-23 | 60 | ELITE | MALE |
| 101. | 218W5A0201 | B AVINASH | CLOUD COMPUTING | 2022-23 | 85 | ELITE +SILVER | MALE |
| 102. | 218W5A0201 | B AVINASH | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 67 | ELITE | MALE |
| 103. | 218W5A0202 | CH MOHIDDIN KHAN | CLOUD COMPUTING | 2022-23 | 72 | ELITE | MALE |
| 104. | 218W5A0202 | CH MOHIDDIN KHAN | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 65 | ELITE | MALE |
| 105. | 218W5A0203 | CH VINAY KUMAR | CLOUD COMPUTING | 2022-23 | 71 | ELITE | MALE |
| 106. | 218W5A0204 | D TATABABU | CLOUD COMPUTING | 2022-23 | 60 | ELITE | MALE |
| 107. | 218W5A0204 | D TATABABU | DATA SCIENCE FOR ENGINEERS | 2022-23 | 58 | NIL | MALE |
| 108. | 218W5A0205 | G BALA SHESHASRI | CLOUD COMPUTING | 2022-23 | 60 | ELITE | FEMALE |
| 109. | 218W5A0205 | G BALA SHESHASRI | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 56 | NIL | FEMALE |
| 110. | 218W5A0206 | K MOHAN MURALI KRISHNA REDDY | CLOUD COMPUTING | 2022-23 | 73 | ELITE | MALE |
| 111. | 218W5A0206 | K MOHAN MURALI KRISHNA REDDY | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 65 | ELITE | MALE |
| 112. | 218W5A0207 | M SUMANTH | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 54 | NIL | MALE |
| 113. | 218W5A0207 | M SUMANTH | CLOUD COMPUTING | 2022-23 | 69 | ELITE | MALE |
| 114. | 218W5A0208 | SK IMRAN | introduction to internet of things | 2022-23 | 83 | ELITE +SLVER | MALE |
| 115. | 218W5A0208 | SK IMRAN | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 57 | NIL | MALE |
| 116. | 218W5A0208 | SK IMRAN | CLOUD COMPUTING | 2022-23 | 69 | ELITE | MALE |
| 117. | 218W5A0209 | T NAGAMANI | CLOUD COMPUTING | 2022-23 | 61 | ELITE | FEMALE |
| 118. | 208W1A0260 | A UDAY SHANKAR | CLOUD COMPUTING | 2022-23 | 57 | NIL | MALE |
| 119. | 208W1A0260 | A UDAY SHANKAR | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | MALE |
| 120. | 208W1A0261 | A PUJITHA | DATA ANALYTICS WITH PYTHON | 2022-23 | 71 | ELITE | FEMALE |
| 121. | 208W1A0261 | A PUJITHA | DATA SCIENCE FOR ENGINEERS | 2022-23 | 63 | ELITE | FEMALE |
| 122. | 208W1A0261 | A PUJITHA | CLOUD COMPUTING | 2022-23 | 57 | NIL | FEMALE |
| 123. | 208W1A0262 | A SYAM KUMAR | CLOUD COMPUTING | 2022-23 | 67 | ELITE | MALE |
| 124. | 208W1A0262 | A SYAM KUMAR | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 53 | NIL | MALE |
| 125. | 208W1A0263 | A JASWITHA SAI | CLOUD COMPUTING | 2022-23 | 63 | ELITE | FEMALE |
| 126. | 208W1A0264 | B SUMANTH | CLOUD COMPUTING | 2022-23 | 61 | ELITE | MALE |
| 127. | 208W1A0265 | B DAYA SAGAR | CLOUD COMPUTING | 2022-23 | 79 | ELITE | MALE |
| 128. | 208W1A0265 | B DAYA SAGAR | OPERATION AND | 2022-23 | 56 | NIL | MALE |

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| | | | PLANNING OF POWER DISTRIBUTION SYSTEMS | | | | |
| 129. | 208W1A0266 | B JYOTHI | CLOUD COMPUTING | 2022-23 | 66 | ELITE | FEMALE |
| 130. | 208W1A0266 | B JYOTHI | DATA SCIENCE FOR ENGINEERS | 2022-23 | 54 | NIL | FEMALE |
| 131. | 208W1A0267 | CH RAJA SEKHAR | DATA ANALYTICS WITH PYTHON | 2022-23 | 60 | ELITE | MALE |
| 132. | 208W1A0267 | CH RAJA SEKHAR | DATA SCIENCE FOR ENGINEERS | 2022-23 | 55 | NIL | MALE |
| 133. | 208W1A0268 | CH SUPRIYA | DATA ANALYTICS WITH PYTHON | 2022-23 | 72 | ELITE | FEMALE |
| 134. | 208W1A0268 | CH SUPRIYA | CLOUD COMPUTING | 2022-23 | 62 | ELITE | FEMALE |
| 135. | 208W1A0268 | CH SUPRIYA | DATA SCIENCE FOR ENGINEERS | 2022-23 | 67 | ELITE | FEMALE |
| 136. | 208W1A0269 | D ARUN SAGAR | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | MALE |
| 137. | 208W1A0272 | E SRINU | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 51 | NIL | MALE |
| 138. | 208W1A0272 | E SRINU | CLOUD COMPUTING | 2022-23 | 69 | ELITE | MALE |
| 139. | 208W1A0274 | G HIRANYA VARDHAN | CLOUD COMPUTING | 2022-23 | 54 | NIL | MALE |
| 140. | 208W1A0274 | G HIRANYA VARDHAN | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 51 | NIL | MALE |
| 141. | 208W1A0275 | G HEMA HIRSHITHA | CLOUD COMPUTING | 2022-23 | 55 | NIL | FEMALE |
| 142. | 208W1A0276 | G RAJINI | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 64 | ELITE | FEMALE |
| 143. | 208W1A0276 | G RAJINI | DATA ANALYTICS WITH PYTHON | 2022-23 | 70 | ELITE | FEMALE |
| 144. | 208W1A0277 | J SREELEKHA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | FEMALE |
| 145. | 208W1A0277 | J SREELEKHA | DATA SCIENCE FOR ENGINEERS | 2022-23 | 54 | NIL | FEMALE |
| 146. | 208W1A0277 | J SREELEKHA | CLOUD COMPUTING | 2022-23 | 61 | ELITE | FEMALE |
| 147. | 208W1A0279 | K SNEHA | CLOUD COMPUTING | 2022-23 | 60 | ELITE | FEMALE |
| 148. | 208W1A0279 | K SNEHA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | FEMALE |
| 149. | 208W1A0280 | K LIKHITHA | CLOUD COMPUTING | 2022-23 | 62 | ELITE | FEMALE |
| 150. | 208W1A0280 | K LIKHITHA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NL | FEMALE |
| 151. | 208W1A0282 | K HEMA | CLOUD COMPUTING | 2022-23 | 56 | NIL | FEMALE |
| 152. | 208W1A0282 | K HEMA | DATA SCIENCE FOR ENGINEERS | 2022-23 | 54 | NIL | FEMALE |
| 153. | 208W1A0283 | K MARIA JOSEPH ARUN SHOWRY | CLOUD COMPUTING | 2022-23 | 54 | NIL | MALE |
| 154. | 208W1A0283 | K MARIA JOSEPH ARUN SHOWRY | DATA SCIENCE FOR ENGINEERS | 2022-23 | 58 | NIL | MALE |
| 155. | 208W1A0285 | K POOJITHA | CLOUD COMPUTING | 2022-23 | 62 | ELITE | FEMALE |
| 156. | 208W1A0285 | K POOJITHA | DATA SCIENCE FOR ENGINEERS | 2022-23 | 67 | ELITE | FEMALE |
| 157. | 208W1A0287 | K RISHITHA | CLOUD COMPUTING | 2022-23 | 55 | NIL | FEMALE |
| 158. | 208W1A0288 | K GOPI | CLOUD COMPUTING | 2022-23 | 67 | ELITE | MALE |
| 159. | 208W1A0288 | K GOPI | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 51 | NIL | MALE |
| 160. | 208W1A0289 | M V D S S SRIVARDHAN SARMA | CLOUD COMPUTING | 2022-23 | 80 | ELITE | MALE |
| 161. | 208W1A0289 | M V D S S SRIVARDHAN SARMA | DATA SCIENCE FOR ENGINEERS | 2022-23 | 75 | ELITE | MALE |
| 162. | 208W1A0290 | M TARUN | CLOUD COMPUTING | 2022-23 | 79 | ELITE | MALE |

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| 163. | 208W1A0290 | M TARUN | DATA SCIENCE FOR ENGINEERS | 2022-23 | 58 | NIL | MALE |
| 164. | 208W1A0291 | M LOKESH | CLOUD COMPUTING | 2022-23 | 75 | ELITE | MALE |
| 165. | 208W1A0291 | M LOKESH | DATA SCIENCE FOR ENGINEERS | 2022-23 | 77 | ELITE +SILVER | MALE |
| 166. | 208W1A0292 | M SAI NARENDRA | CLOUD COMPUTING | 2022-23 | 55 | NIL | MALE |
| 167. | 208W1A0293 | M ANKITHA | CLOUD COMPUTING | 2022-23 | 64 | ELITE | MALE |
| 168. | 208W1A0294 | MD SHARIF | CLOUD COMPUTING | 2022-23 | 65 | ELITE | MALE |
| 169. | 208W1A0295 | MD APSHA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 51 | NIL | FEMALE |
| 170. | 208W1A0295 | MD APSHA | CLOUD COMPUTING | 2022-23 | 64 | ELITE | FEMALE |
| 171. | 208W1A0296 | MD ARIF | DATA ANALYTICS WITH PYTHON | 2022-23 | 56 | NIL | MALE |
| 172. | 208W1A0297 | M DHATHRISREE | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 55 | NIL | FEMALE |
| 173. | 208W1A0297 | M DHATHRISREE | CLOUD COMPUTING | 2022-23 | 55 | NIL | FEMALE |
| 174. | 208W1A0298 | M DHOOHITHA | CLOUD COMPUTING | 2022-23 | 68 | ELITE | FEMALE |
| 175. | 208W1A0298 | M DHOOHITHA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 55 | NIL | FEMALE |
| 176. | 208W1A0299 | N SAILAJA | DATA ANALYTICS WITH PYTHON | 2022-23 | 67 | ELITE | FEMALE |
| 177. | 208W1A0299 | N SAILAJA | CLOUD COMPUTING | 2022-23 | 65 | ELITE | FEMALE |
| 178. | 208W1A0299 | N SAILAJA | DATA SCIENCE FOR ENGINEERS | 2022-23 | 64 | ELITE | FEMALE |
| 179. | 208W1A02A0 | K NIVAS | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 55 | NIL | MALE |
| 180. | 208W1A02A0 | K NIVAS | DATA ANALYTICS WITH PYTHON | 2022-23 | 65 | ELITE | MALE |
| 181. | 208W1A02A1 | N SHAZIYA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | FEMALE |
| 182. | 208W1A02A2 | O JAHNAVI | DATA ANALYTICS WITH PYTHON | 2022-23 | 70 | ELITE | FEMALE |
| 183. | 208W1A02A2 | O JAHNAVI | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 57 | NIL | FEMALE |
| 184. | 208W1A02A2 | O JAHNAVI | DATA SCIENCE FOR ENGINEERS | 2022-23 | 64 | ELITE | FEMALE |
| 185. | 208W1A02A4 | P JAYANTH | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 56 | NIL | MALE |
| 186. | 208W1A02A4 | P JAYANTH | CLOUD COMPUTING | 2022-23 | 61 | ELITE | MALE |
| 187. | 208W1A02A5 | P TEJASWI | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 54 | NIL | FEMALE |
| 188. | 208W1A02A5 | P TEJASWI | DATA SCIENCE FOR ENGINEERS | 2022-23 | 56 | NIL | FEMALE |
| 189. | 208W1A02A6 | P HARSHA RAO | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 54 | NIL | FEMALE |
| 190. | 208W1A02A6 | P HARSHA RAO | CLOUD COMPUTING | 2022-23 | 63 | ELITE | FEMALE |
| 191. | 208W1A02A7 | P NAGA SINDU SRILATHA | CLOUD COMPUTING | 2022-23 | 55 | NIL | FEMALE |
| 192. | 208W1A02A8 | P VAMSI MOHAN | CLOUD COMPUTING | 2022-23 | 55 | NIL | MALE |
| 193. | 208W1A02A8 | P VAMSI MOHAN | CLOUD COMPUTING | 2022-23 | 50 | NIL | MALE |
| 194. | 208W1A02B1 | P RUCHITHA | DATA ANALYTICS WITH PYTHON | 2022-23 | 54 | NIL | FEMALE |
| 195. | 208W1A02B1 | P RUCHITHA | CLOUD COMPUTING | 2022-23 | 60 | ELITE | FEMALE |
| 196. | 208W1A02B1 | P RUCHITHA | DATA SCIENCE | 2022-23 | 56 | NIL | FEMALE |

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| 197. | 208W1A02B2 | S VAMSI | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 42 | NIL | MALE |
| 198. | 208W1A02B2 | S VAMSI | DATA ANALYTICS WITH PYTHON | 2022-23 | 64 | ELITE | MALE |
| 199. | 208W1A02B2 | S VAMSI | DATA SCIENCE FOR ENGINEERS | 2022-23 | 58 | NIL | MALE |
| 200. | 208W1A02B3 | S VIJAYA LAKSHMI | CLOUD COMPUTING | 2022-23 | 66 | ELITE | FEMALE |
| 201. | 208W1A02B3 | S VIJAYA LAKSHMI | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 51 | NIL | FEMALE |
| 202. | 208W1A02B3 | S VIJAYALAKSHMI | DATA SCIENCE FOR ENGINEERS | 2022-23 | 66 | ELITE | FEMALE |
| 203. | 208W1A02B4 | T RAKESH GEMINI | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 51 | NIL | MALE |
| 204. | 208W1A02B4 | T RAKESH GEMINI | CLOUD COMPUTING | 2022-23 | 70 | ELITE | MALE |
| 205. | 208W1A02B6 | T VENKATA NAGA HEMANTH | CLOUD COMPUTING | 2022-23 | 58 | NIL | MALE |
| 206. | 208W1A02B6 | T VENKATA NAGA HANUMANTH | DATA SCIENCE FOR ENGINEERS | 2022-23 | 55 | NIL | MALE |
| 207. | 208W1A02B7 | T JAYANTH | CLOUD COMPUTING | 2022-23 | 53 | NIL | MALE |
| 208. | 208W1A02B8 | V SRAVANI KUMARI | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 57 | NIL | FEMALE |
| 209. | 208W1A02B8 | V SRAVANI KUMARI | CLOUD COMPUTING | 2022-23 | 67 | ELITE | FEMALE |
| 210. | 208W1A02B8 | V SRAVANI KUMATI | DATA SCIENCE FOR ENGINEERS | 2022-23 | 60 | ELITE | FEMALE |
| 211. | 218W5A0211 | CH LAKSHMI PRASANNA CHAITHANYA | CLOUD COMPUTING | 2022-23 | 72 | ELITE | MALE |
| 212. | 218W5A0211 | CH LAKSHMI PRASANNA CHAITHANYA | OPERATION AND DISTRIBUTION SYSTEMS | 2022-23 | 60 | ELITE | MALE |
| 213. | 218W5A0212 | CH JAHNAVI | CLOUD COMPUTING | 2022-23 | 69 | ELITE | FEMALE |
| 214. | 218W5A0212 | CH JAHNAVI | OPERATION AND DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | FEMALE |
| 215. | 218W5A0213 | E NARAYANA | CLOUD COMPUTING | 2022-23 | 64 | ELITE | MALE |
| 216. | 218W5A0213 | E NARAYANA | OPERATION AND DISTRIBUTION SYSTEMS | 2022-23 | 56 | NIL | MALE |
| 217. | 218W5A0214 | P SAIRAMA KRISHNA | CLOUD COMPUTING | 2022-23 | 76 | ELITE +SILVER | MALE |
| 218. | 218W5A0214 | P SAIRAMA KRISHNA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 53 | NIL | MALE |
| 219. | 218W5A0215 | P AJAY | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 54 | NIL | MALE |
| 220. | 218W5A0216 | U GUNTEIAH | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 52 | NIL | MALE |
| 221. | 218W5A0216 | U GUNTEIAH | CLOUD COMPUTING | 2022-23 | 71 | ELITE | MALE |
| 222. | 218W5A0217 | V SWAPNA | CLOUD COMPUTING | 2022-23 | 63 | ELITE | FEMALE |
| 223. | 218W5A0218 | V PRIYANKA | OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEMS | 2022-23 | 53 | NIL | FEMALE |
| 224. | 218W5A0218 | V PRIYANKA | CLOUD COMPUTING | 2022-23 | 72 | ELITE | FEMALE |

STAFF NPTEL COURSES

| S.NO | NAME | TITLE OF THE COURSE | ACADEMIC YEAR | |
|------|----------------------|------------------------------------|---------------|-------|
| 1. | Dr. G. SRINIVASA RAO | INTRODUCTION TO INTERNET OF THINGS | 2022-23 | NPTEL |
| 2. | BINDU VADLAMUDI | DATA MINING | 2022-23 | NPTEL |
| 3. | Dr. J. VIMALA KUMARI | INTRODUCTION MACHINE LEARNING | 2022-23 | NPTEL |
| 4. | K. LALITHA | ELECTRIC VEHICLES | 2022-23 | NPTEL |

STUDENTS ACHIEVEMENTS

STUDENT PARTICIPATIONS IN CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES IN INTRA INSTITUTE:

| S. NO | REG. NO | NAME OF THE STUDENT | DATE | EVENT ORGANIZER | NAME OF THE EVENT | TOPIC | CLASS | ACHIEVEMENT | TECH/ NON-TECH |
|-------|------------|-------------------------------|----------------------|-----------------|-------------------|--------------------------|-----------|-------------|----------------|
| 1 | 208W1A02A6 | P. Harsha Rao | 28/10/22 29/10/22 | VRSEC | CIVILIZE 2K22 | DANCE | III EEE-B | First | Non-Tech |
| 2 | 208W1A0271 | D.Guru Charan | 15/10/22 | VRSEC | Innovation Day | Innovative Model | III EEE-B | First | Tech |
| 3 | 218W5A0217 | V. Swapna | 15/10/22 | VRSEC | Innovation Day | Innovative Model | III EEE-B | First | Tech |
| 4 | 208W1A0293 | M. Ankitha | 15/10/22 | VRSEC | Innovation Day | Innovative Model | III EEE-B | First | Tech |
| 5 | 218W5A0206 | K. Mohan Murali Krishna Reddy | 15/10/22 | VRSEC | Innovation Day | Innovative Model | III EEE-A | Second | Tech |
| 6 | 218W5A0201 | B. Avinash | 15/10/22 | VRSEC | Innovation Day | Innovative Model | III EEE-A | Second | Tech |
| 7 | 208W1A0267 | Ch.Rajasekhar | 24/02/23 25/02/23 | VRSEC | Annual Fest | Tech Debate | III EEE-B | First | Tech |
| 8 | 208W1A0267 | Ch.Rajasekhar | 24/02/23 25/02/23 | VRSEC | Annual Fest | Drone Flying Competition | III EEE-B | Second | Tech |

STUDENT PARTICIPATIONS IN CO-CURRICULAR & EXTRACURRICULAR ACTIVITIES IN INTER INSTITUTES:

| S. NO | REG. NO | NAME OF THE STUDENT | DATE | EVENT ORGANIZER | NAME OF THE EVENT | TOPIC | CLASS | ACHIEVEMENT | TECH/ NON-TECH |
|-------|------------|------------------------------|----------------------|-------------------|----------------------------------|------------------------------|-----------|-------------|----------------|
| 1. | 218W5A0202 | Ch.Mohiddin Khan | 13/03/23 14/03/23 | JNTUV | ECLECTIQUE 2K23 | Simtronics | III EEE-A | Second | Tech |
| 2. | 218W5A0202 | Ch.Mohiddin Khan | 13/03/23 14/03/23 | JNTUV | Two day Workshop Robotics Things | Internet of Robotics Things | III EEE-A | First | Tech |
| 3. | 218W5A0206 | K.Mohan Murali Krishna Reddy | 18/03/23 19/03/23 | JNTUK | ENCURSO 2K23 | Project Expo (EPICS, MINI-1) | III EEE-A | First | Tech |
| 4. | 218W5A0213 | E.Narayana | 28/03/23 | KLEF, Vaddeswaram | SPARK 23 | Sharp Mind | III EEE-B | First | Tech |
| 5. | 208W1A02A6 | A.Jaswitha Sai | 18/03/23 19/03/23 | JNTUK | ENCURSO 2K23 | Quiz | III EEE-B | First | Tech |
| 6. | 208W1A0271 | D.Guru Charan | 13/03/23 14/03/23 | JNTUV | ECLECTIQUE 2K23 | EXPOWHIZ (EPICS, MINI-1) | III EEE-B | First | Tech |
| 7. | 208W1A0284 | K.Hemanth | 13/03/23 14/03/23 | JNTUV | ECLECTIQUE 2K23 | Project Era (EPICS, MINI-1) | III EEE-B | First | Tech |

| | | | | | | | | | |
|-----|------------|------------------------|----------------------|--------|--|-------------------------------------|-----------|--------|------|
| 8. | 208W1A0291 | M.Lokesh | 13/03/23 14/03/23 | JNTUV | ECLECTIQUE 2K23 | Project Era (EPICS, MINI-1) | III EEE-B | First | Tech |
| 9. | 228W5A0241 | S.Kalyan | 18/03/23 19/03/23 | JNTUK | ENCURSO 2K23 | Quiz | II EEE-B | First | Tech |
| 10. | 228W5A0233 | K.Nikhil | 18/03/23 19/03/23 | JNTUK | ENCURSO 2K23 | Quiz | II EEE-B | First | Tech |
| 11. | 228W5A0242 | Shaik Abdul Rehaman | 18/03/23 19/03/23 | JNTUK | ENCURSO 2K23 | Quiz | II EEE-B | First | Tech |
| 12. | 208W1A02A9 | P.Surya Yashasvi | 13/03/23 14/03/23 | JNTUV | Two day Workshop Cum Competition on Internet of Robotics Things | Internet of Robotics Things | III EEE-B | First | Tech |
| 13. | 218W5A0201 | B.Avinash | 18/03/23 19/03/23 | JNTUK | ENCURSO 2K23 | Project Era (EPICS, MINI-1) | III EEE-A | First | Tech |
| 14. | 218W5A0218 | V.Priyanka | 18/03/23 19/03/23 | JNTUK | ENCURSO 2K23 | Project Era (EPICS, MNI1) | III EEE-B | First | Tech |
| 15. | 208W1A0271 | D.Guru Charan | 13/03/23 14/03/23 | JNTUV | ECLECTIQUE 2K23 | Quiz | III EEE-B | First | Tech |
| 16. | 208W1A0290 | M.Tarun | 13/03/23 14/03/23 | JNTUV | ECLECTIQUE 2K23 | Mindflex | III EEE-B | First | Tech |
| 17. | 208W1A0290 | M.Tarun | 13/03/23 14/03/23 | JNTUV | ECLECTIQUE 2K23 | IoRT- Internet of Robotic Things | III EEE-B | First | Tech |
| 18. | 218W5A0215 | P.Ajay | 13/03/23 14/03/23 | JNTUV | ECLECTIQUE 2K23 | IoRT- Internet of Robotic Things | III EEE-B | First | Tech |
| 19. | 218W5A0202 | Ch.Mohiddin Khan | 21/01/23 | URCET | A Two day National Level Techno Cultural Symposium | Electrical Funda | III EEE-A | First | Tech |
| 20. | 218W5A0207 | M.Sumanth | 24/01/23 | URCET | A Two day National Level Techno Cultural Symposium | Technical Quiz | III EEE-A | Runner | Tech |
| 21. | 218W5A0208 | Sk.Imran | 24/01/23 | URCET | A Two day National Level Techno Cultural Symposium | Paper Presentation | III EEE-A | First | Tech |
| 22. | 218W5A0203 | Ch.Vinay Kumar | 24/01/23 | URCET | A Two day National Level Techno Cultural Symposium | Technical Quiz | III EEE-A | Runner | Tech |
| 23. | 218W5A0212 | Ch.Jahnavi | 24/01/23 | URCET | A Two day National Level Techno Cultural Symposium | Technical Quiz | III EEE-A | Runner | Tech |
| 24. | 218W5A0204 | D.Tatababu | 24/01/23 | URCET | A Two day National Level Techno Cultural Symposium | Technical Quiz | III EEE-A | Runner | Tech |
| 25. | 218W5A0202 | Ch.Mohiddin Khan | 4/02/23 | DIET | One Day National Level Techno cultural symposium | Technical Quiz | III EEE-A | First | Tech |
| 26. | 218W5A0201 | Avinash Bavisety | 10/03/23 11/03/23 | PVPSIT | SITAR 2023 | Smart solution | III EEE-A | Second | Tech |
| 27. | 218W5A0201 | Avinash Bavisety | 10/03/23 11/03/23 | PVPSIT | SITAR 2023 | Project Expo | III EEE-A | First | Tech |
| 28. | 208W1A0232 | MD.Imran Shareef | 24/01/23 | URCET | A Two day National Level Techno Cultural Symposium | Technical Quiz | III EEE-A | winner | Tech |
| 29. | 208W1A0221 | J.Puneeth Sai Sankar | 24/01/23 | URCET | A Two day National Level Techno Cultural Symposium | Technical Quiz | III EEE-A | winner | Tech |
| 30. | 208W1A0233 | M.V.Sai Pavan | 24/01/23 | URCET | A Two day National Level Techno Cultural Symposium | Technical Quiz | III EEE-A | winner | Tech |
| 31. | 218W5A0201 | B.Avinash | 4/02/23 | DIET | Techno cultural symposium | Technical Quiz | III EEE-A | First | Tech |

| | | | | | | | | | |
|-----|------------|---------------------|----------------------|--------------------------|---|-----------------------------|-----------|--------|----------|
| 32. | 218W5A0201 | B.Avinash | 4/02/23 | DIET | One Day National Level Techno cultural symposium | Paper Presentation | III EEE-A | First | Tech |
| 33. | 218W5A0218 | V.Priyanka | 10/03/23 11/03/23 | PVPSIT | SITAR 2023 | Project Expo (EPICS, MINI-1 | III EEE-B | First | Tech |
| 34. | 218W5A0218 | V.Priyanka | 4/02/23 | DIET | One Day National Level Techno cultural symposium | Paper Presentation | III EEE-B | First | Tech |
| 35. | 228W5A0241 | S.Kalyan | 25/03/23 26/03/23 | SRKR Engineering College | A National Level Techno cultural symposium SANKALP 2K23 | Mastera | II EEE-B | Winner | Non-Tech |
| 36. | 228W5A0241 | S. Kalyan | 25/03/23 26/03/23 | SRKR Engineering College | A National Level Techno cultural symposium SANKALP 2K23 | Arena | II EEE-B | Winner | Non-Tech |
| 37. | 228W5A0241 | S. Kalyan | 25/03/23 26/03/23 | SRKR Engineering College | A National Level Techno cultural symposium SANKALP 2K23 | X-Pone | II EEE-B | Winner | Non-Tech |
| 38. | 218W5A0214 | P. Sai Rama Krishna | 4/02/23 | DIET | One Day National Level Techno cultural symposium | Technical Quiz | III EEE-B | Second | Tech |

STUDENTS QUALIFIED FOR HIGHER STUDIES

| S.No | Roll No | Name of the Student | Higher Study Program Name | Admission Details (Name of the Institution/University) | Place | Rank | QS Rank |
|------|------------|---------------------|---------------------------|---|-------|------|---------|
| 1 | 198W1A0226 | Y.Jyoshitha | MS | University of Massachusetts Dartmouth | US | 209 | 237 |
| 2 | 198W1A0255 | Thanmai Reethika .T | MS | University of Pacific | US | 142 | 106 |
| 3 | 198W1A0225 | H.S.Niharika | MS | University of Pacific | US | 142 | 106 |
| 4 | 198W1A0237 | Md.Rasheed Ahamed | MS | Concordia Unversity | US | 345 | 387 |
| 5 | 208W5A0207 | P.Sai Kiran | M.Tech | NIT,Surathkal | India | | |

No. of Students Cleared GATE/CAT/Any other Competitive Examinations

| S.No. | Reg. No. | Name | Name of the Exam Qualified |
|-------|------------------|-------------------|----------------------------|
| 1 | EE22S26114146 | G.Sandeep Sai | GATE |
| 2 | EE22S26115163 | ILakshya Rani | GATE |
| 3 | EE22S26115117 | Keerthi Neelam | GATE |
| 4 | 0077265 | P.Mahitha | GRE |
| 5 | 0304032 | K.Vidhya Nandini | GRE |
| 6 | 7393612215579390 | K.Vidhya Nandini | TOFEL |
| 7 | 8259469 | P.Lohith Chowdary | GRE |
| 8 | 725158 | P.Lohith Chowdary | IELTS |
| 9 | 0430392 | R.Rajitha | GRE |
| 10 | 629372 | R.Rajitha | IELTS |
| 11 | 045072 | R.Varaprasad | IELTS |
| 12 | 0845059 | M.Tejavardhan | GRE |
| 13 | 0086358 | M.Anudeep | GRE |
| 14 | 036136 | M.Anudeep | IELTS |
| 15 | 0095713 | K.Vivek Chowdary | GRE |
| 16 | 547187 | K.Vivek Chowdary | IELTS |
| 17 | 0077006 | K.V.S.Anudeep | GRE |
| 18 | 0762372 | K.K.Sowmya | GRE |
| 19 | 0077579 | R.S.Vineel Kumar | GRE |
| 20 | 0010810 | R.S.Vineel Kumar | IELTS |

INNOVATION DAY CELEBRATION

Velagapudi Ramakrishna Siddhartha Engineering College has organized Innovation day in Concurrent with the Grand Occasion of **Dr. A P J Abdul Kalam birth day on 15th October 2022**. The college conducted **Intercollegiate Technical Model Exhibition and Poster presentation Competition**, the theme of the program is to solve societal problems related to agricultural, Health, Rural Development, Transportation, Urban Development, Additive Manufacturing, Industrial Internet of Things, Robotics Augmented Reality etc with technology related to **Industry 4.0**. The department of Electrical and Electronics Engineering has taken initiative to bring out the hard efforts of engineering students and to bring their ideas from mind to solve societal problems related to Agricultural, Health, Rural Development, Transportation, Urban Development, Additive Manufacturing, Industrial Internet of Things, Robotics Augmented Reality etc with technology related to **Industry 4.0**. The total of 23 project working models presented in the event .The students presented their innovative ideas and developed proto types in different fields of electrical and electronics engineering on innovation day 2022. To encourage the student's college awarded the cash prize for top two projects models.

| <p style="text-align: center;">  Velagapudi Ramakrishna Siddhartha Engineering College (Autonomous) Kanuru-Vijayawada Innovation Day Celebrations- 15th Oct 2022 Prize Money Details </p> | | | | | | | | |
|--|------------------|---------------|-----------------|---|---------------------------------|---|-----------------------|---|
| S.No | Name of the Dept | Activity name | Position | Title of Innovative model/Poster | Name of the Team lead | Name of the Team lead college | Phone No of Team lead | NEFT Details |
| 1 | EEE | Model | First Rs. 5000 | SELF DRIVEN VEHICLE FOR PHYSICALLY HANDICAPPED PEOPLE USING BLUETOOTH | DUVVADA GURU CHARAN | VRSEC | 7330667183 | Name of the Account Holder: DUVVADA GURU CHARAN Acc No: 37943699820 Bank Name: SBI Branch Name: SBI PALASA IFSC: SBIIN0001006 |
| 2 | EEE | Model | Second Rs. 3000 | ADVANCED EV UNIT FOR MICRO MOBILITY | B. AVINASH | VRSEC | 9849298775 | Name of the Account Holder: AVINASH BAVISETTY Acc No: 60360100005140 Bank Name: BANK OF BARODA Branch Name: GANNAVARAM IFSC: BARBOGANNV |
| 3 | EEE | Poster | First Rs. 3000 | EARLY HEART FAILURE DETECTION USING REMOTE MONITORING | TURPATI NISHANTH | ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES, VISAKHAPATNAM | 8247237081 | Name of the Account Holder: TURPATI NISHANTH Acc No: 34890039188 Bank Name: SBI Branch Name: LAKKAVARAPUKOTA IFSC: SBIIN0014385 |
| 4 | EEE | Poster | Second Rs. 2000 | TERA HERTZ PHOTONICS | MACHAVOLU VDSS SRIVARDHAN SARMA | VRSEC | 9347090823 | Name of the Account Holder: M. B. S. KUMAR Acc No: 10845126723 Bank Name: SBI Branch Name: LABBIPET IFSC: SBIIN0003055 |


 18/10/2022

INDUSTRIAL VISIT

Industrial visits provide students with a first-hand experience of industry operations, offering insights into real-world applications of their theoretical knowledge. These visits serve as a platform for students to interact with industry experts, understand modern technologies, and witness industrial processes in action. This year, our students had the opportunity to explore various core electrical industries, gaining valuable exposure to industry practices. Students visited prestigious organizations such as **VTPS Thermal Power Plant, Loco Shed Vijayawada, AP State Load Dispatch Center, G.S. Electricals, and Soltek Photovoltek Pvt. Ltd.** Experts at these facilities provided in-depth explanations of their operations, helping students connect academic concepts with practical applications. These visits play a vital role in enhancing technical understanding and preparing students for industry challenges.

| S.No | Date | Touring class | Name of the Industries | Local / Out Side | Place(s) | Faculty visited along with student |
|------|-------------------------------|---------------|------------------------|------------------|------------|---|
| 1 | 03-04-2023 & 04-04-2023 | 3/4 B.Tech | Kumar pumps & Motors | Local | Tenali | Sri T.Suneel Dr.D.Indira Sri R.Madhusudhana Rao Dr.J.Vimala Kumari |
| 2 | 19-12-2022 & 20-12-2022 | 2/4 B.Tech | Electric Loco Shed | Local | Vijayawada | Sri.S N V S K CHAITANYA Dr.J.Vimala Kumari |





"Industrial Visit to Kumar Pumps & Motors – Exploring Motor Manufacturing Processes"



"Industrial Visit to Loco Shed Vijayawada – Gaining Practical Insights into Railway Electrification and Maintenance"

BEST PROJECTS

| S. No | Roll No. | Name of the Student | Name of the Guide | Title of the Project | Ranking |
|-------|------------|----------------------------|--------------------|--|---------|
| 1 | 198W1A02C4 | VEMULA MANASA | Dr.SUBHOJITH DAWN | PROFIT MAXIMIZATION OF A SOLAR-INTEGRATED DEREGULATED SYSTEM BY OPTIMAL PLACEMENT OF TCSC AND UPFC | 1 |
| | 198W1A0296 | MACHAGIRI AKSHITHA | | | |
| | 198W1A02B3 | POTIPIREDDI SAILALITHA | | | |
| | 198W1A0271 | BOBBILI BABY RUKMINI | | | |
| 2 | 198W1A0280 | DEVARAPU CHAITANYA PRIYA | Sri. M.L.N VITAL | EFFECT OF COMMON MODE VOLTAGE IN TRANSFORMER LESS INVERTERS | 2 |
| | 198W1A0295 | LANKE KOTESWARA RAO | | | |
| | 198W1A0290 | KADE PRANEETHA | | | |
| | 198W1A02A9 | PASUMARTHI CHINMAYA KALYAN | | | |
| 3 | 198W1A0220 | DODDAKA YAMINI | Dr.G.SRINIVASA RAO | MONITORING SYSTEM FOR SOLAR PANEL USING IOT | 3 |
| | 198W1A0236 | MARRI VENNELA | | | |
| | 198W1A0240 | MUDRABOYINA GOWTHAM VISHAL | | | |
| | 198W1A0239 | MOVVA TEJASWI | | | |

RENEWABLE ENERGY SOURCE

Our college has taken a significant step toward sustainability by installing a 400 kWp solar rooftop power plant across key buildings, including the Administrative Block, Electrical & Electronics, Mechanical Engineering, S&H-I, and Ladies' Hostel. This initiative helps meet the campus's energy demands while promoting clean and renewable energy. The system is equipped with net metering, allowing excess solar power to be exported to the grid, ensuring optimal energy utilization. Through this project, we are reducing our carbon footprint, fostering energy independence, and reinforcing our commitment to a greener and more sustainable campus.

**Admin Building
50kWp Solar panels**



**Admin Building
Solar Inverter**

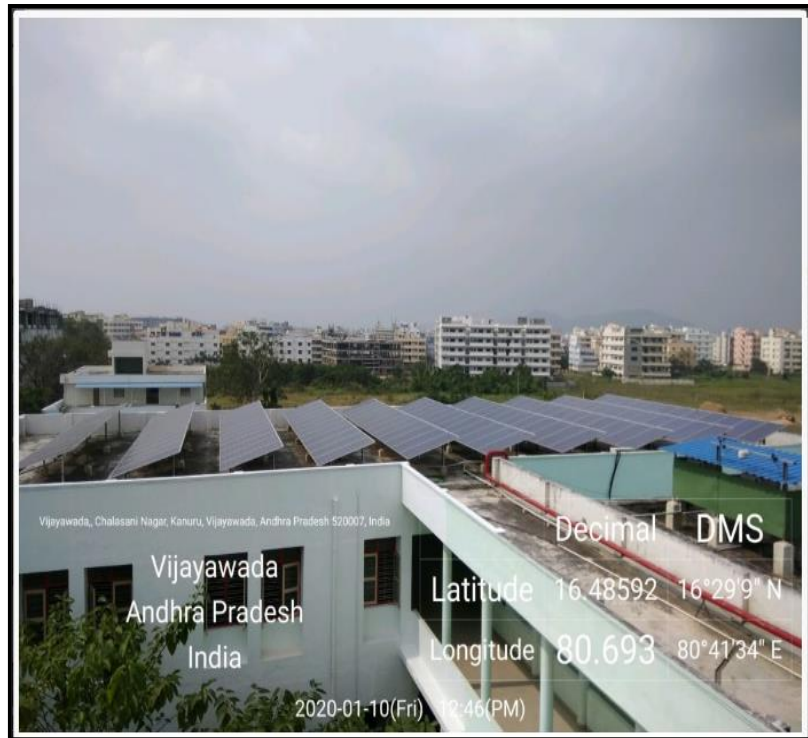


EEE Block
100kWp Solar
Panels



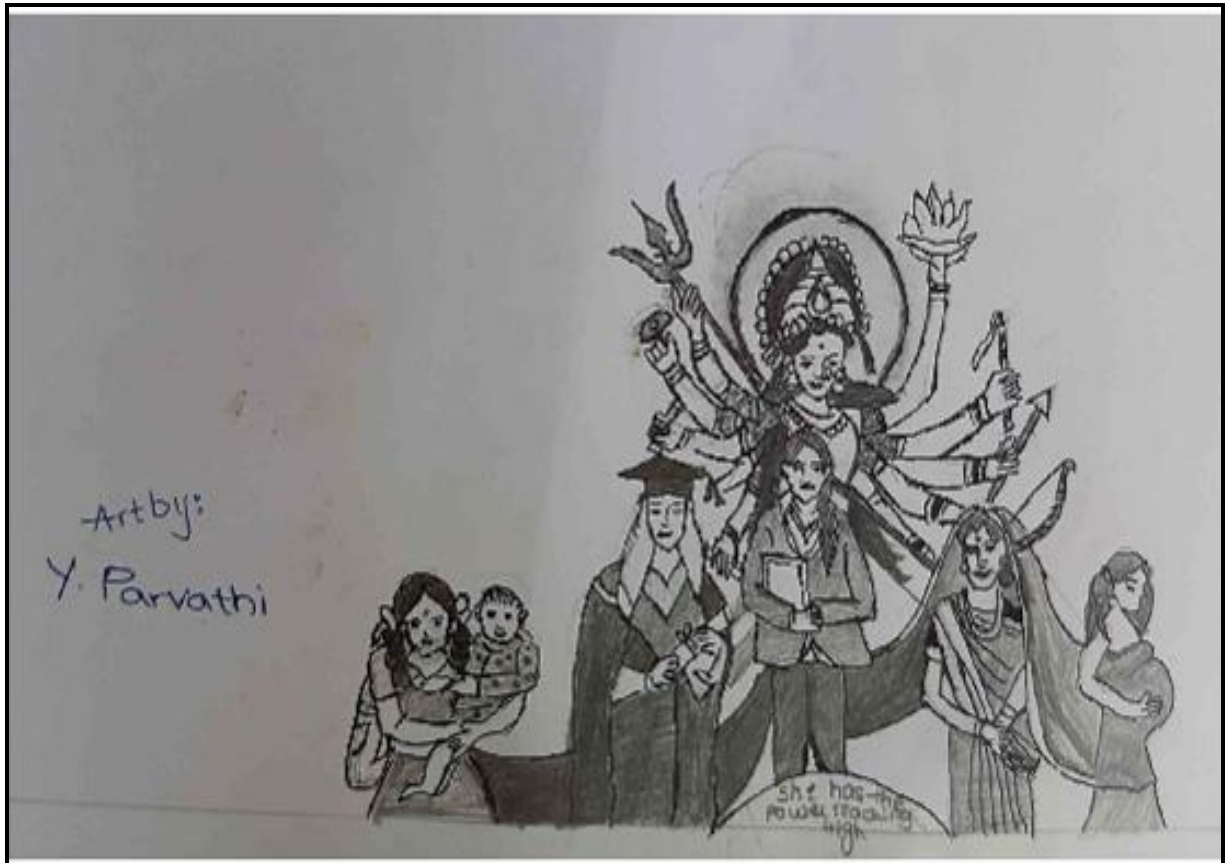
EEE Block Solar
Inverter

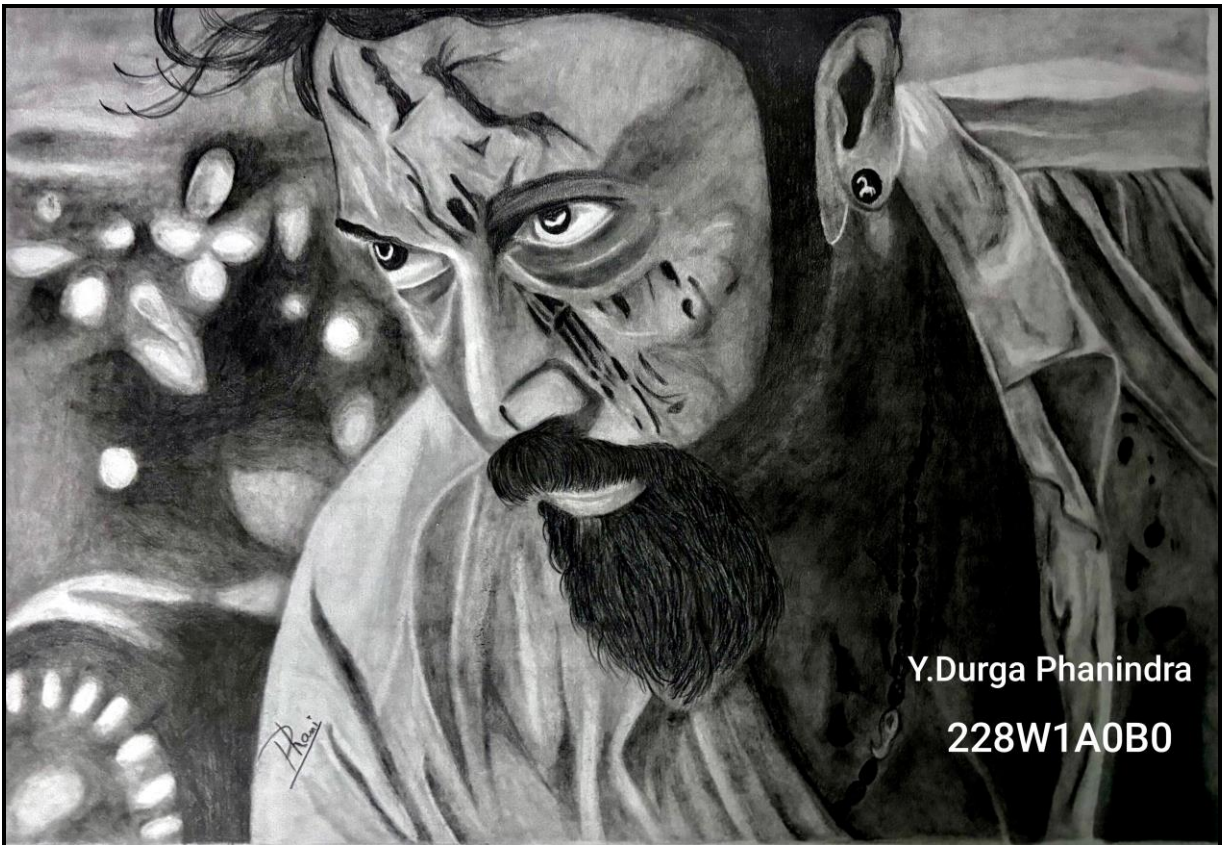
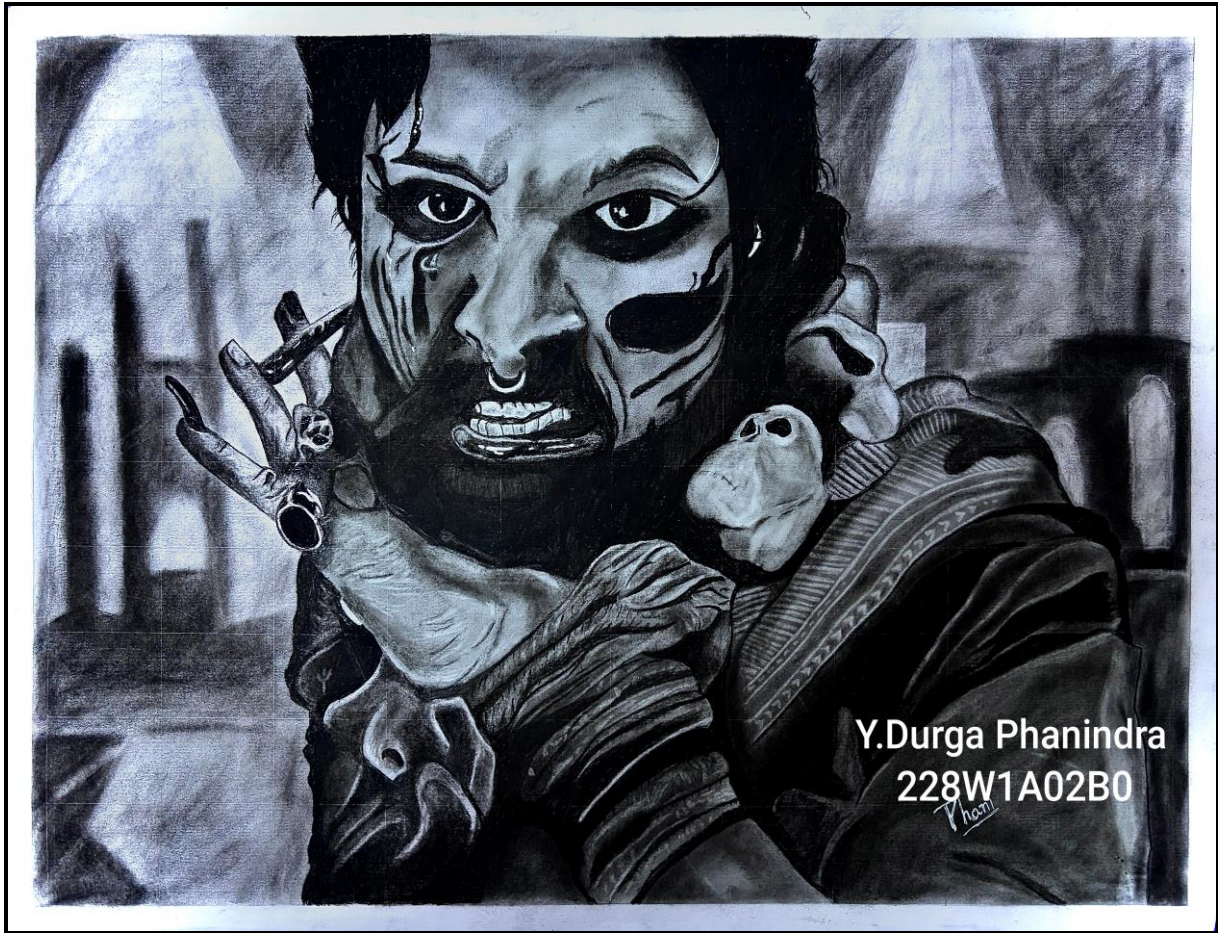
**ME Department
150kWp Solar
panels**



**S&H Block-I
50kWp Solar
Panels**

ART GALLERY





Y.Durga Phanindra

228W1A02B0



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