Energia Chronicle

Annual News Letter

2023-24

Department of
Electrical & Electronics Engineering
Velagapudi Ramakrishna Siddhartha School Of Engineering
SIDDHARTHA ACADEMY OF HIGHER EDUCATION
An Institution DEEMED TO BE UNIVERSITY
(Under Section 3 of UGC Act, 1956)
(Sponsored by Siddhartha Academy of General & Technical Education), Vijayawada-520007, A.P.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CONGRATULATIONS

2023-24

Reliance — 8.0 LPA
- GOGINENI SIVA NANDU — 20BW1A0216
- EJJIPURAPU SRINU — 20BW1A0272
- MADDURI TARUN — 20BW1A0290

TCS DIGITAL — 7.2 LPA
- SILIVERI VAMSI — 20BW1A02B2

adaps PEGA — 5.5 LPA
- CH. MOHIDDINKHAN — 21BW5A0202

Unschool — 5.3 LPA
- MOHAMMAD SHARIF — 20BW1A0294

accenture — 4.6 LPA
- ORUGANTI JAHNAVI — 20BW1A02A2
- PENUMATHSA TEJASWI — 20BW1A02A5
- SURE VIJAYA LAKSHMI — 20BW1A0283
- BONGI AKHIL KUMAR — 20BW1A0210
- CHARAKANAM HARI TEJA — 20BW1A0211
- GULLAPALLI KUMAR — 20BW1A0217

- NELLURI NIKHIL PRABHAS — 20BW1A0235
- PAVARALA MEENAKSHI — 20BW1A0240
- RAYIPUDI ANGEL — 20BW1A0243
- SATHA DEVA HARSHINI — 20BW1A0244
- VANAPALLI SWETHA — 20BW1A0253
- 20BW1A0257
- YEKULA CHAITHANYA GOUD — 20BW1A0259
- CHANDANA RAJA SEKHAR — 20BW1A0267
- KAILA SNEHA — 20BW1A0279
- K. MARIA JOSEPH ARUN SHOWRY — 20BW1A0283
- KOLUSU POOJITHA — 20BW1A0285
- SHAIK IMRAN — 21BW5A0208

TEACHNOOK — 4.5 LPA
- TULLURI JAYANTH — 20BW1A02B7
- DESU VENKATA NIHARIKA SWATHI — 20BW1A0213
- AYINAPURU JASWITHA SAI — 20BW1A0263
- BAPATLA SUMANTH — 20BW1A0264
- MANE LOKESH — 20BW1A0291

- DUVVURI TATARABU — 21BW5A0204
- GUTTULA BALA SNESHASRI — 21BW5A0205
- CHINTHAGUNTLA JAHNAVI — 21BW5A0212
- PARIMI SAI RAMA KRISHNA — 21BW5A0214
- POLAVARAPU AJAY — 21BW5A0215

QUALIZEAL — 4.5 LPA
- AYINAPURU JASWITHA SAI — 20BW1A0263
- VEERAMALA PRIYANKA — 21BW5A0218

JINDAL — 4.0 LPA
- MOHAMMAD SHARIF — 20BW1A0294

VISHWA SAMUDRA — 4.0 LPA
- P.SURYA YASHASVI — 20BW1A02A9
- CH. MOHIDDINKHAN — 21BW5A0202
- SHAIK IMRAN — 21BW5A0208
- EEDARA NARAYANA — 21BW5A0213
- UPPUTURI GUNTEIAH — 21BW5A0216

INDOSOL — 4.0 LPA
- GOGINENI SIVA NANDU — 20BW1A0216
- NOULURI NAGABABU — 20BW1A0236

TCS NINJA PEGA — 3.96 LPA
- VIJAYASRI NISHITHA BOMMISETTY — 20BW1A0257

TCS NINJA — 3.86 LPA
- A. SHANMUKHA VISHNU MAHESH — 20BW1A0203
- GOGINENI SIVA NANDU — 20BW1A0216
- PALLANTI KOUSHIK — 20BW1A0238
- PAVARALA MEENAKSHI — 20BW1A0240
- SATHA DEVA HARSHINI — 20BW1A0244
- TADDI MANASA — 20BW1A0250
- BATTU DAYA SAGAR — 20BW1A0265
- M V D S S SRIVARDHAN SARMA — 20BW1A0289

THERMAL SYSTEMS — 3.6 LPA
- SRIRAMULA THARUN — 20BW1A0249
- GUTTULA BALA SNESHASRI — 21BW5A0205

PEOPLE TECH — 3.5 to 4.0 LPA
- VANDANA VUTLA — 20BW1A0254
- KUNAPAREDDY RISHITHA — 20BW1A0287
- M V D S S SRIVARDHAN SARMA — 20BW1A0289

VEM — 3.5 LPA
- A SHANMUKHA VISHNU MAHESH — 20BW1A0203
- PARIMI SAI RAMA KRISHNA — 21BW5A0214
- UPPUTURI GUNTEIAH — 21BW5A0216

SRI VIDHYUT Eco Tech India Pvt Ltd — 3.5 LPA
- PRATTIPATI VAMSI MOHAN — 20BW1A02A8
- SIMHADRI SAI AKHIL — 20BW1A0247
- MOHAMMAD SHARIF — 20BW1A0294

Sundram Fasteners Limited — 2.5 LPA
- PEDAKAPU JAYANTH — 20BW1A02A4
- T. VENKATA NAGA HANUMANTH — 20BW1A02B6
- KOSURI MADHU KUMAR — 20BW1A0228

- M. VENKATA SAI PAVAN — 20BW1A0233
- EJJIPURAPU SRINU — 20BW1A0272
- KOLLU HEMANTH — 20BW1A0284
- POLAVARAPU AJAY — 21BW5A0215

NUMAX — 2.5 LPA
- POLAMURI HARSHARAO — 20BW1A02A6
- BATTU JAYAVAISHNAVI — 20BW1A0207
- KAKARLA NIHARIKA — 20BW1A0222
- MALLEMOGGALA PAVANI SIVA — 20BW1A0230
- MEKALA HEMA — 20BW1A0231
- VANDANA VUTLA — 20BW1A0254
- BUDALA JYOTHI — 20BW1A0266
- JAVVAJI SRI JAYANTH — 20BW1A0278
- MOHAMMED APSHA — 20BW1A0295
- DARAVATHU LEELAMADHAVI — 21BW5A0210

SAI CONSTRUCTION — 2.64 LPA
- NANDRU SADHVIK — 20BW1A0234
- AVULA SYAM KUMAR — 20BW1A0262

VOLTECH — 2.5 to 3.0 LPA
- PATTAPAGALU PRAVEEN VENKAT — 20BW1A02A3
- ATHOTA SURENDRA BABU — 20BW1A0204
- JETTA PUNEETH SAI SANKAR — 20BW1A0221
- KOSURI MADHU KUMAR — 20BW1A0228
- MOHAMMAD IMRAN SHAREEF — 20BW1A0232
- RAMISETTI ABHISHEK ARYA — 20BW1A0242
- KOLLU HEMANTH — 20BW1A0284
- MANE LOKESH — 20BW1A0291
- POLAVARAPU AJAY — 21BW5A0215
- GOLI KEDARANATH — 21BW5A0220

randstad — 2.0 LPA
- TADEPU RAKESH GEMINI — 20BW1A0285

conneqt — 1.8 LPA
- 20BW1A0284

47 Years of Excellence

VELAGAPUDI RAMAKRISHNA SCHOOL OF ENGINEERING

SIDDHARTHA ACADEMY OF HIGHER EDUCATION

A DEEMED TO BE UNIVERSITY

(Under Section 3 of UGC Act, 1956)

CONTENTS

Siddhartha Academy of Higher Education (Deemed-to-be University) Vijayawada

Velagapudi Ramakrishna Siddhartha Engineering College (VRSEC) was the first private engineering college in the united Andhra Pradesh, founded in 1977. In 2024, VRSEC achieved deemed university status, marking a new era for the institution. With nine undergraduate and postgraduate programs in engineering, including B.Tech., MTech., MBA, and MCA, VRSEC has consistently upheld quality standards, being the first private engineering institution in the state to receive NBA accreditation in five cycles since 1998 and to adopt Outcome-Based Education (OBE) in 2013. The institute was reaccredited by NAAC with an 'A+' grade in 2021 and ISO 21001:2018 certified. The institute was conferred autonomous status in 2006 again in 2012 later it was extended from the UGC for an additional 10 years, up to 2028, without a peer team visit. VRSEC is recognized among India's top engineering institutions by agencies like Outlook, Data Quest, and Careers 360. The college has consistently ranked within the top 200 in the NIRF rankings for the last seven years.

In 2024, VR Siddhartha Engineering College was declared as a deemed-to-be university under Section 3 of the UGC Act, 1956 by Ministry of Education, Government of India. With a legacy of educational excellence, the institution's UGC-granted autonomy, renewed through 2027-28, provides a strong foundation for its transformation. Guided by a detailed 15-year strategic vision and a 5-year rolling implementation plan, Siddhartha Academy of Higher Education focuses on key areas such as academics, faculty recruitment, student admissions, research, ICT infrastructure, and administration, with specific annual milestones and measurable outcomes.

SAGTE, as a responsive educational trust, aligns with the Government of India's target of achieving a 50% GER in higher education by 2035. Siddhartha Academy of Higher Education, Deemed-to-be University, offers diverse undergraduate and postgraduate programs through its specialized schools, including the School of Engineering (B.Tech., M.Tech.), School of Management (MBA), School of Law, School of Science (B.Sc., M.C.A.), and School of Arts & Commerce (B.Com.). Envisioned to support interdisciplinary and multidisciplinary education for students' holistic development, the university aligns with the aspirations and requirements of NEP 2020 to equip students with the skills and knowledge essential for future growth and societal contributions.

VISION AND MISSION

INSTITUTE VISION

To be a Centre of Excellance in Education, Innovation and Research with Global presence in Arts, Science, Technology, Medicine,Management, Legal and Social Studies in enriching the frontier areas of National and International Importance.

INSTITUTE MISSION

- To create a transformative educational experience for students focused on problem solving skills; communication abilities and interpersonal relations and leadership.
- To cultivate a vibrant university community for attracting and retaining diverse, world-class talent creating a collaborative environment open to the free exchange of ideas where resaerch, creativity, innovation and entrepreneurship can flourish and ensuring individuals to achive their full potential.
- To impact society in a pragmatic manner- regionally, nationally and globally-by engaging with industry, outstanding national and international universiteis and research organizations.
- To be a global university that nutures excellence in education and innovation for creating a knowledgeable society.

ABOUT THE DEPARTMENT

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

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 postgraduate. The undergraduate program is the B. Tech. Program in Electrical and Electronics Engineering (EEE) with an intake of 132. The department has twenty six qualified faculty supported by thirteen technical and administrative staff. The faculty composition is Two Professors, Four Associate Professors,

Two Senior Assistant professors and Eighteen Assistant Professors with 10 Ph.D and Sixteen 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-seven 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 delighted to present the Department of Electrical and Electronics Engineering **"Energia Chronicle" (Annual News Letter)** for the academic year 2023-24. This publication serves as a testament to our department's unwavering commitment to academic excellence, innovation, and professional growth. It is a platform to showcase the remarkable achievements, research endeavors, and progressive initiatives undertaken by our students, faculty, and staff.The EEE department has witnessed substantial growth in recent years, continuously adapting to emerging technologies and industry trends. This newsletter provides an insightful overview of our journey, highlighting groundbreaking research, student accomplishments, and faculty contributions that reinforce our commitment to excellence in electrical and electronics engineering.

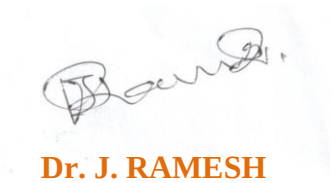
Our distinguished faculty members remain the driving force behind this progress, demonstrating exceptional dedication to education, research, and industry collaboration. Their expertise, coupled with strong institutional support, ensures that our students receive cutting-edge knowledge and hands-on experience to excel in their careers.I extend my sincere appreciation to the management, principal, and the editorial team for their dedication in bringing this publication to fruition. May this newsletter serve as a source of inspiration, providing valuable insights into our department's achievements and motivating the next generation of engineers to push the boundaries of innovation and excellence.

Yours

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

EDITORIAL MESSAGE

It is with great pride that we present the 2023-24 editions of the Department of Electrical and Electronics Engineering **"Energia Chronicle" (Annual News Letter).** This publication serves as a reflection of the remarkable achievements, innovation, and dedication that define our department. The stature of any institution is shaped by the commitment, creativity, and contributions of its students and faculty.In this regard, our faculty members play a pivotal role in nurturing and guiding students, equipping them with the knowledge and skills necessary to excel in their careers. This newsletter provides a platform to celebrate the technical accomplishments, research contributions, and personal milestones that make our academic community vibrant. Beyond academic excellence, it also serves as a space for students to showcase their literary, cultural, and creative talents.This publication is a testament to the collective efforts of our students and faculty, whose contributions have brought this initiative to fruition. We extend our sincere appreciation to all those who played a role in making this newsletter a success. A special note of gratitude goes to the management, principal, and Head of the Department for their unwavering support and encouragement in bringing this vision to life.We hope that this newsletter will inspire, inform, and engage readers as they explore the dynamic 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	Smt. S. V. R. L. KUMARI	Assoc. Prof.
4	Dr. G. SRINIVASA RAO	Assoc. Prof.
5	Dr. B. VENKATESWARA RAO	Assoc. Prof.
6	Dr. J. RAMESH	Assoc. Prof.
7	Dr. N. VAMSI KRISHNA	Sr. Asst. Prof
8	Dr. SUBHOJIT DAWN	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	Sri. V. RAVINDRANADH CHOWDARY	Asst. Prof
17	Dr. K. DHANANJAY RAO	Asst. Prof
18	Ms. J. VIMALA KUMARI	Asst. Prof
19	Ms. G. MYTHILY	Asst. Prof
20	MS.A.SIREESHA	Asst. Prof
21	MS.D.VIMALA	Asst. Prof
22	Smt.B.SWARUPA RANI	Asst. Prof
23	Smt.K.LALITHA	Asst. Prof
24	Dr.D. INDIRA	Asst. Prof
25	Smt.V.BINDU	Asst. Prof
26	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. S. VEERASWAMY	Jr. Mech
6	Sri. V. NAGESWARA RAO	Jr. Mech
7	Sri. M. ANIL BABU	Jr. Mech
8	Sri. V. SUDHAKAR	Lab.Attender
9	Sri . V. V. RAMANA	Lab.Attender
10	Sri. D. VENKATESWARA RAO	Attender
11	Sri.M.DINESH RAGHAVA	Lab Technician
12	Sri .D.SURYAKUMAR	Mech
13	Sri.S.VENUGOPALAKRISHNA	Lab Technician

“Dedicated Faculty & Staff of the EEE Department – Driving Excellence in Teaching, Research & Innovation”

BOARD OF STUDIES (BOS) MEMBERS

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

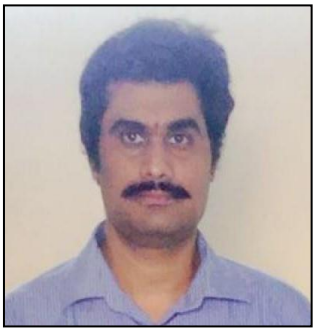
Members of BOS

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**
7.	GARUDA AEROSPACE PVT LTD, Chennai	To train the students and faculty, provide placement opportunities, conducting National Drone Events/Competitions.	09/08/2024	**3 years**
8.	Hitech Automation	Conducting training programmes, internships, workshops, and other events for the benefit of the faculty and students. Provide placement assistance to the students as needed.	07/12/2024	**6 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.

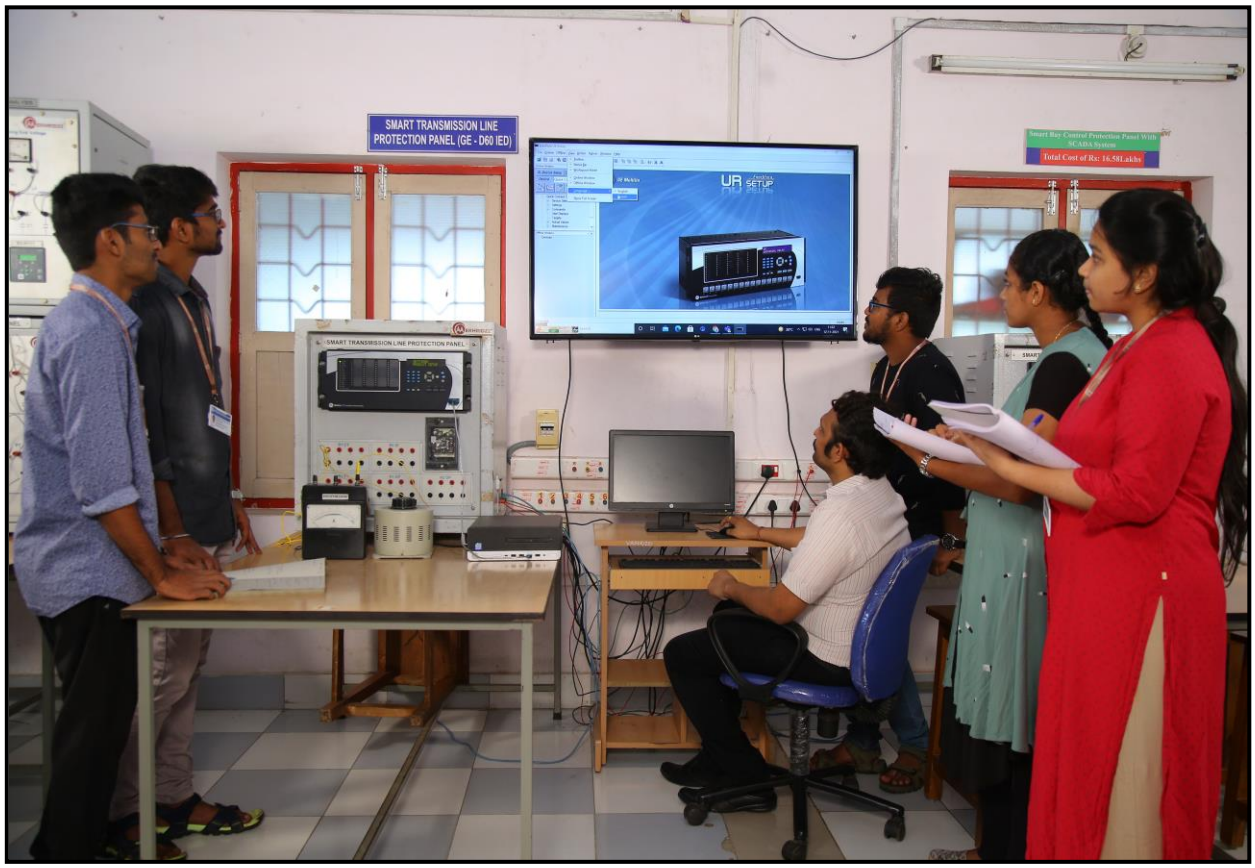
We have purchased a brand-new Electric Jeep (EV Jeep) for ₹5.5 lakhs to enhance student training in EV design and development**.** This initiative will provide hands-on experience in electric vehicle technology, including battery management, motor control, and energy efficiency. By working directly with the EV Jeep, students will gain practical skills in sustainable transportation and next-generation mobility solutions**.**With the rapid growth of the EV industry, this training will empower students with cutting-edge knowledge and real-world expertise**,** preparing them for future innovations in electric mobility. This investment aligns with our commitment to fostering industry-ready engineers and promoting green technology**.**

We have acquired a state-of-the-art Electric Bike worth ₹2.5 lakhs to enhance student learning in EV design and development**.** This initiative provides hands-on training in battery management, motor control, regenerative braking, and energy efficiency**,** helping students gain practical insights into the future of mobility.With the growing demand for sustainable transportation, this EV bike serves as a valuable resource for students to explore real-world applications of electric vehicle technology**.** Our goal is to equip future engineers with cutting-edge knowledge and industry-ready skills to innovate in the evolving EV sector.

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. 69.27 lakhs.

3. ELECTRICAL MEASUREMENTS & CONTROL SYSTEMS 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.

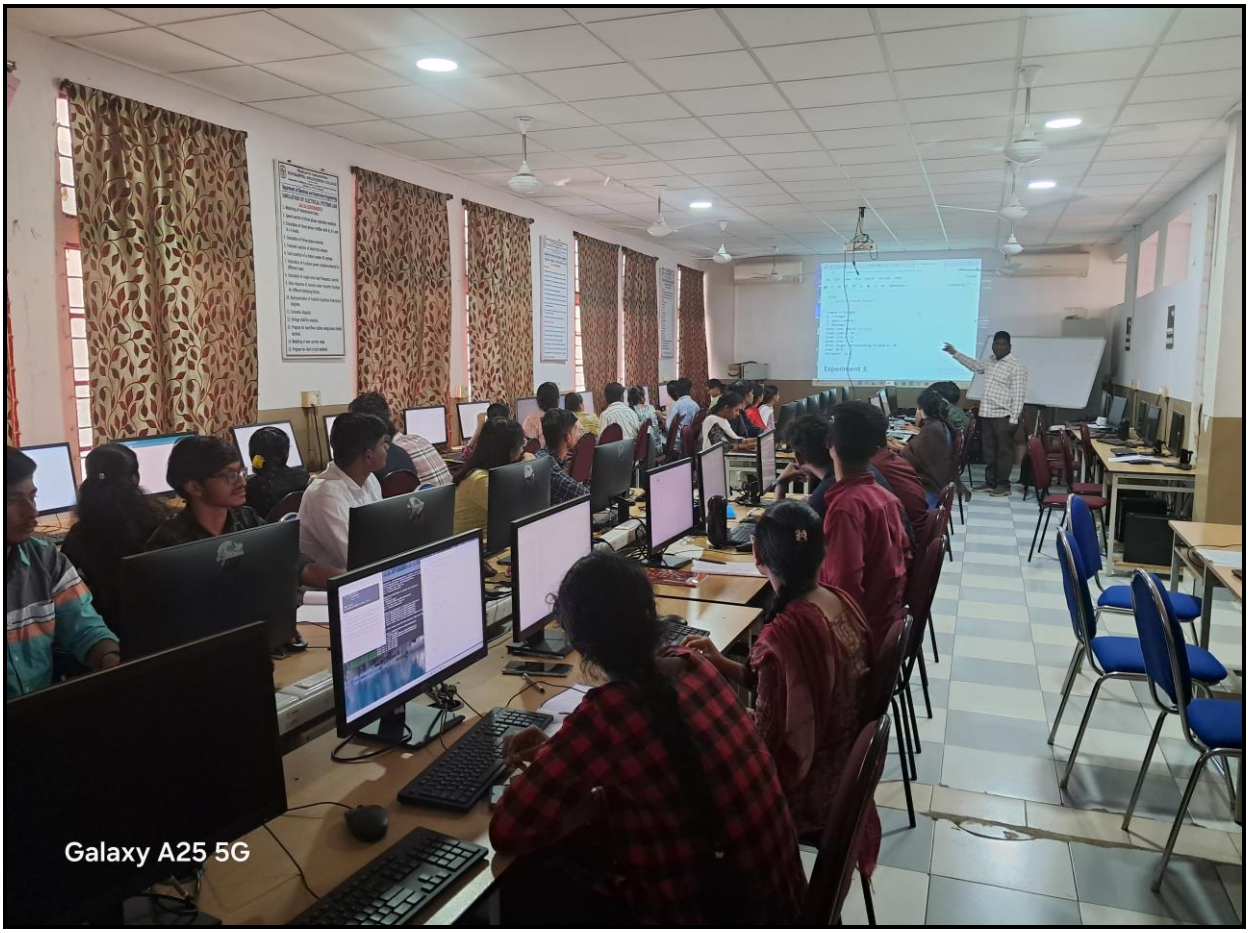
Control systems and microcontrollers laboratory helps the students in enhancing their knowledge and skills in different concepts of control systems like modelling control and design of systems. This includes hardware like PID controllers, Synchros, Compensators, 30 MHz Dual Trace CRO with triggering, 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 (Basys3 A7) and Advanced DSP controllers (TMS320ezdsp). The total cost of the equipment is around Rs. 20.86 lakhs.

4. INTERNET OF THINGS LAB

The IoT (Internet of Things) lab, an integral part of the curriculum for students in the fifth semester, is a cutting-edge facility designed to enhance practical knowledge and hands-on experience in the world of connected devices. Equipped with a variety of microcontrollers, Raspberry Pi boards, and an array of sensors and actuators, the lab provides students with the tools they need to explore and implement real-world IoT solutions. From interfacing sensors to controlling actuators, students engage in projects that simulate real IoT environments, gaining insights into data collection, communication protocols, and device management. The lab fosters a collaborative learning environment where students can develop innovative applications, preparing them for careers in the rapidly growing field of IoT technology. The total cost of the equipment is around Rs. 26lakhs.

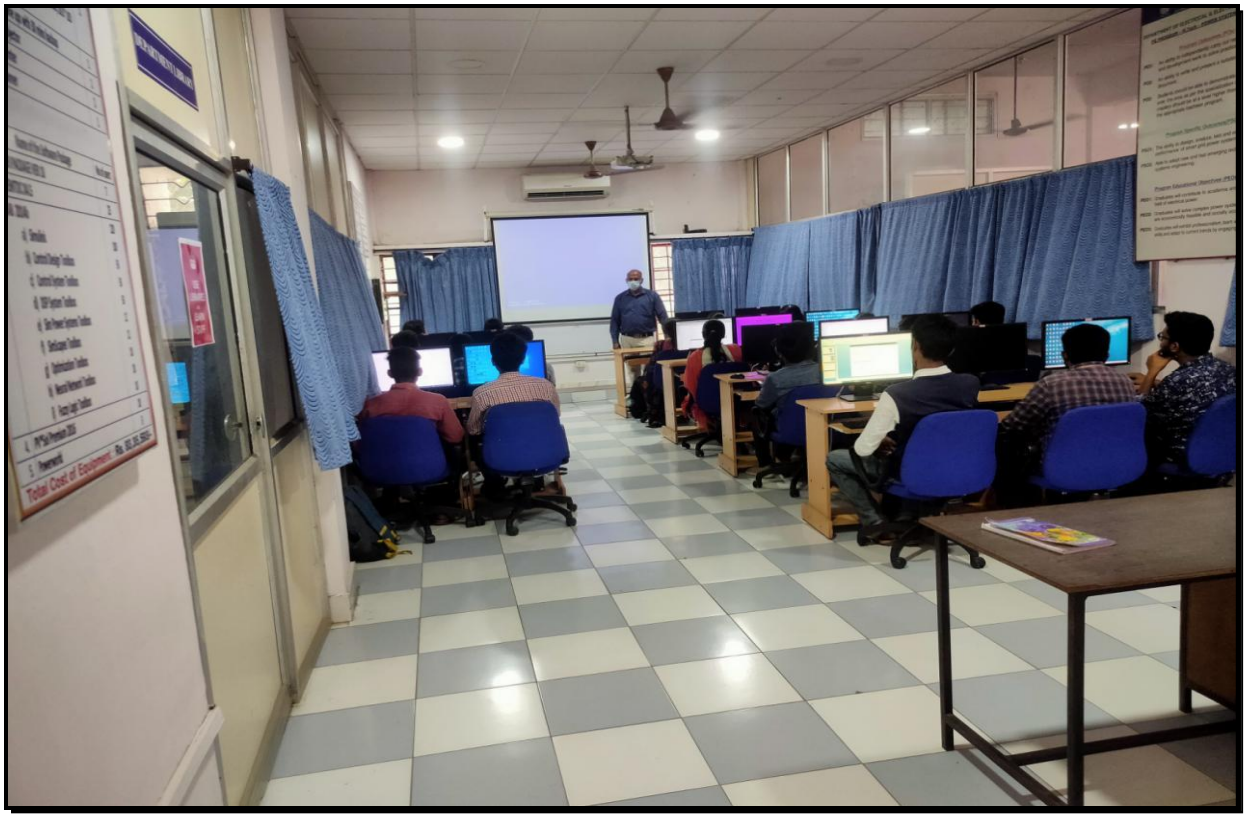
5. UG COMPUTER LAB

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 7^{TH} 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. 42.29 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. 28.82 lakhs.

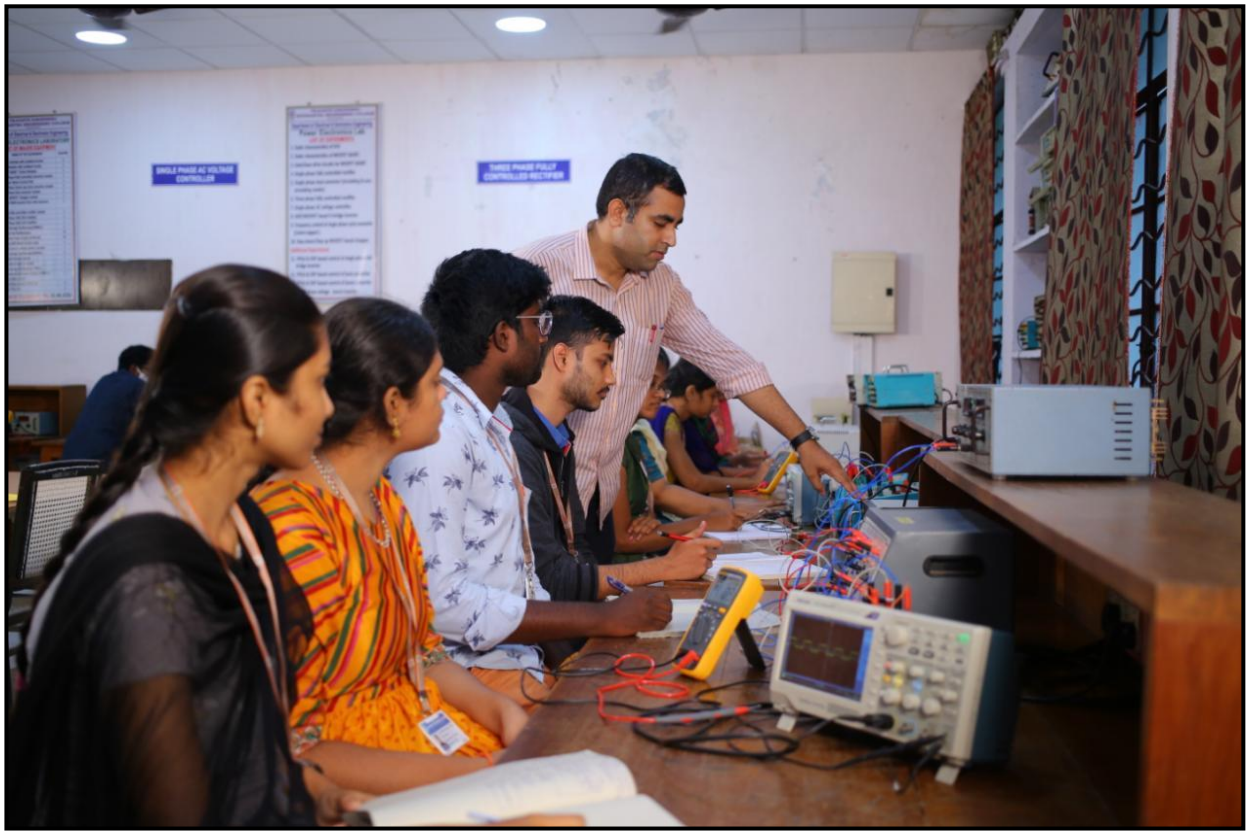
8. HIGH VOLTAGE ENHINEERING LABORATORY

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. 12.02 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 verities 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.

DRONE CLUB

About Drone Club:

Our Electrical and Electronics Engineering Department has a Drone Club in which the intended participants are from 2nd, 3rd, and 4th year B. Tech Students from EEE, ECE and ME. The total number of students is 75. The club activities are extremely beyond the curriculum, those who are interested in joining can be the club members. As dedicated members of our Drone club here, our students have consistently demonstrated outstanding skills, enthusiasm, and commitment. Their passion for drones is evident in their meticulous attention to every task, whether designing, building, or piloting drones. They have a keen eye for detail and a strong understanding of drone mechanics and programming, which has been instrumental in the successful execution of numerous club initiatives, especially in developing the Quadcopter Drone (A Petal Copter Drone) and Hexacopter Drone (An Autonomous Drone) for package delivery and precision agriculture, etc. The total cost of the equipment is around Rs. 4.48 lakhs.

Objective:

The drone club empowers students to develop practical skills in drone technology through hands-on learning and innovative projects. It promotes awareness of drone applications across industries while ensuring safe and responsible use. The club provides opportunities for collaboration, research, and real-world problem-solving. Students also enhance their leadership, teamwork, and technical expertise for career development.

Faculty Incharge:

Dr. Vimala Kumari J

Assistant Professor

Club President: J. Francis 228W5A0208

Club Secretary: B. Rakesh 218W1A0206

Club Secretary (Girls): M.R.S.R.S. Ramya 218W1A0221

Total Number of Students: 75 (Inclusive of EEE, ECE, and ME Students)

"Inauguration of Drones Club by Principal Dr. A.V. Ratna Prasad – Inspiring Innovation in Aerial Technology."

"Day-1 Morning Theory Session: Gaining Insights and Knowledge."

"Day-2 Morning Session: Hands-on Practice in Drone Component Construction."

"Day-2 Afternoon Session: Practical Training on Drone Software Simulation."

"Hands-on Experience: Students Actively Assembling Drones."

Students gain practical exposure by assembling drones, integrating key components like the frame, motors, ESCs, flight controllers, and propellers. This hands-on session enhances their understanding of drone mechanics, wiring, and troubleshooting techniques. By bridging theory with real-world applications, students develop problem-solving skills and technical expertise, preparing them for advancements in UAV technology.

“Flight Testing of Assembled Drone on Open Ground at VRSEC”

"Capturing the moment to celebrate the successful completion of the Drone Workshop at VRSEC"

"Innovative Projects by the Drone Club"

Figure: 1 Quadcopter Drone

Figure: 2 Taking Off for a Delivery Mission

Figure: 3 Entire HealthCare Drone setup

Figure: 4 An Autonomous Drone

Student Council | INFINITUS NATIONAL LEVEL TECHNO CULTURAL FEST 2024 | SRM UNIVERSITY AP

CERTIFICATE OF ACHIEVEMENT

This certificate is presented to

Mr/Ms Gai Kiran

for securing First position in SkyQuest at INFINITUS 2024 National-Level Techno-Cultural Fest, organized by SRM University-AP during March 21-24, 2024.

V. PREETAM, President, Student Council

ANIL NIGAM, Director, Student Affairs

Dr R PREMKUMAR, Registrar

Scanned with ACE Scanner

"Drone Club Triumphs with a Prize at SRM University-Andhra Pradesh"

"Fostering Innovation: The Centre for Drone Project Work in Action"

Publications:

1. Mandala Raga Sri Ratna Sai Ramya, Vimala Kumari J, Yarajarla Moulika and Venkateswara Rao Bathina, “Unmanned Aerial Vehicles to transport healthcare equipment under Emergency” The International Conference on Intelligent Computing and Emerging Communication Technologies (ICEC-2024) organised by SRM University-AP, India.
2. Ayisha Firdos Mohammad, Vimala Kumari J, Sravya Katam and Venkateswara Rao Bathina, “Petal copter used to drop flowers on honoured guests during formal occasions”, IEEE SILCON-2024 organized by NIT, Agartala, India.

ELECTRIC VEHICLE CLUB (EVC)

An Electric Vehicle (EV) Club is typically a community of students and enthusiasts who share a common interest in electric vehicles. This club focuses on promoting EV technology, sustainability, and the benefits of electric transportation.

Objectives of EV Club

- Educate the public about EVs and their environmental benefits.
- Promote sustainable and green mobility solutions.
- Develop prototypes, conduct experiments, and collaborate on EV-related projects.
- Conduct workshops on topics like EV powertrains, charging infrastructure, and energy storage.
- Build connections with industry professionals, academics, and government bodies.
- Host seminars, webinars, and exhibitions related to EV advancements.

Activities in an EV Club

- Workshops and Training
- Seminars and Guest Lectures
- Build small-scale EVs, such as electric bikes or go-karts, to gain practical experience.
- Field Trips to raise awareness about EV technology
- Organize campaigns or drives to promote the adoption of EVs

Total number of active student members: 45

Club Student Coordinators:

President: Mr. Ch. Ajay Kumar, 3rd year, EEE

Secretary: Mr. K. Naveen, 2nd year, EEE

Faculty Incharge
Dr. K Dhananjay Rao
Asst.Professor/EEE

1. Workshop on EV technology - Sytiqhub EV Solutions

The department of electrical and electronics engineering conducted a three days' workshop on ELECTRIC VEHICLES from 30-09-2023 to 02-10-2023. The students actively participated in the workshop made it successful. This workshop has been organized Department of Electrical and Electronics Engineering, VRSEC.

Convener:

Dr.P.V.R.L.Narasimham

Professor and HOD, EEE Department.

Coordinator:

Dr.K.Dhananjay Rao

Assistant Professor, EEE Department, VRSEC

Faculty Incharge, Institution of Engineers [IE], India.

"Inauguration of the EV Club Workshop: Igniting Passion for Sustainable Mobility"

Day 1 (30-09-2023)

The workshop on Electric Vehicles (EV) began with an introduction by **Dr. P.V.R.L. Narasimham,** Head of the Department. Resource person **Mr. Gopal Reddy Lakkireddy** presented an insightful session covering the basics of EVs, including major components such as the battery, power controller unit, and motor. He elaborated on the history of EVs, their evolution, and compared them with internal combustion engine (ICE) vehicles. The afternoon session included hands-on experience, where students dismantled EVs and explored wiring

connections. This workshop provided valuable insights into EV technology, highlighting its environmental benefits and future prospects.

"Mr. Gopal Reddy Lakkireddy kicking off the Electric Vehicle session at VRSEC."

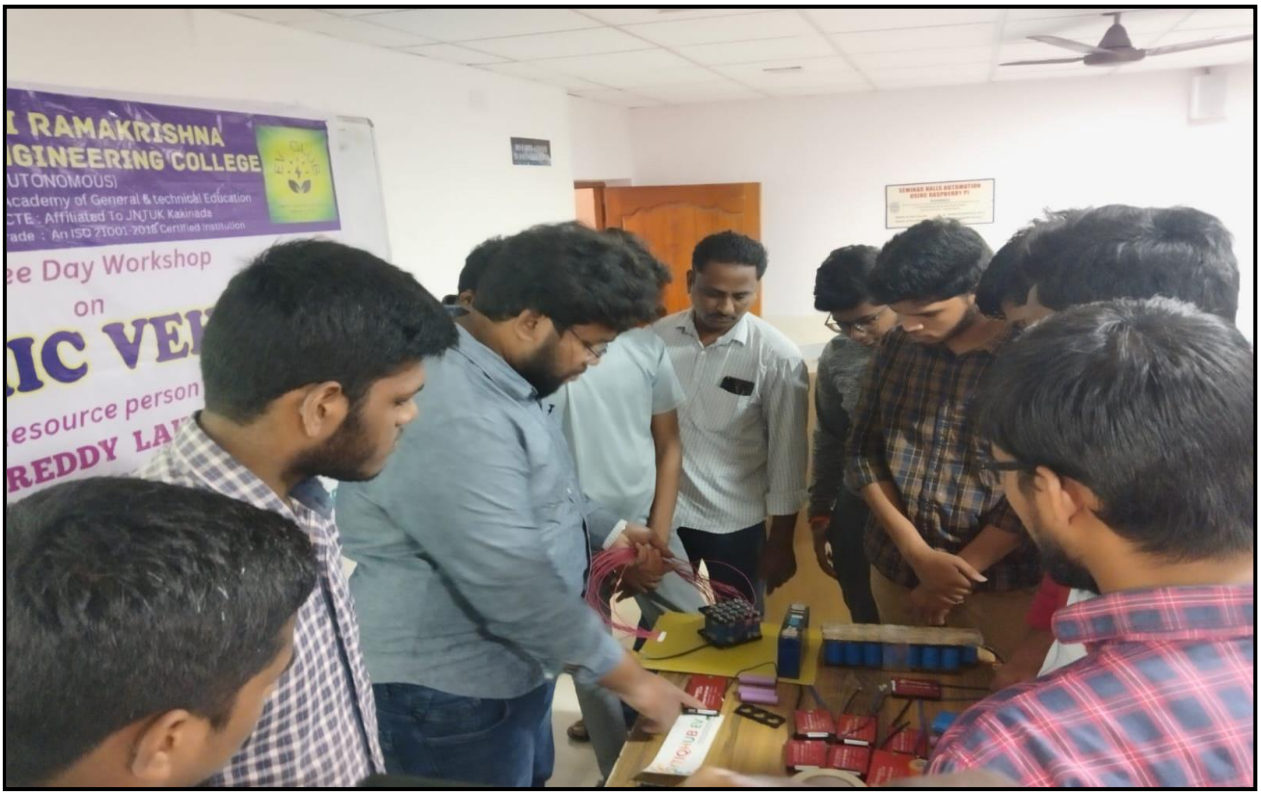
Day 2 (01-10-2023):

The workshop covered the classification of Electric Vehicles (EVs), including BEVs, PHEVs, HEVs, EREVs, and FCEVs, explaining their energy sources, emissions, and operational modes. Participants also learned about key EV components, such as motors, wiring connections, PCUs, and Hall effect sensors. On Day 2, they explored the internal components of the PCU and motor.

"Students practicing EV wiring connections during the workshop."

Day 3 (02-10-2023)

The workshop covered various types of batteries, including Lithium-Ion, Lead-Acid, Nickel-Metal Hydride, and newer technologies like Graphene and Sodium-Ion batteries. Key components such as battery cells, electrolytes, Battery Management Systems (BMS), casing/enclosure, and thermal management systems were explained in detail. The session also highlighted the importance of insulation, connectors, and venting mechanisms for safety and efficiency.Participants learned about the crucial role of thermal management to prevent issues like thermal runaway, which can occur due to overcharging, over-discharging, physical damage, or manufacturing defects. The afternoon session focused on assembling an electric vehicle (EV), reconnecting wiring, and understanding the internal workings of its parts. The session concluded with an emphasis on safety measures and understanding how cells can overheat beyond 102°C, leading to fire hazards.



"**Explaining various battery types with an actual battery demonstration during the workshop."**

In the hands-on session led by Mr. Gopal Reddy Lakkireddy, students were introduced to the step-by-step process of assembling an Electric Vehicle (EV). The session aimed to provide practical insights into the working of electric vehicles, helping students understand the integration of various critical components.Mr. Lakkireddy began by explaining the key components required for the assembly of an EV, such as the battery pack, motor, power controller unit (PCU), wiring systems, and sensors. The students learned about the different types of batteries used in EVs, including Lithium-ion and Lead-Acid, and how each type affects the performance, range, and lifespan of the vehicle.The session also focused on the wiring connections involved in the EV assembly. Students were shown how to properly wire the motor to the controller, connect the battery to the power unit, and integrate sensors like the Hall effect sensor for monitoring the performance of the vehicle. Practical demonstrations were given on how to safely handle and connect the components, ensuring both safety and efficiency.

Mr. Lakkireddy also discussed the challenges faced during assembly, such as thermal management, battery safety, and ensuring proper insulation of components. He highlighted the significance of a Battery Management System (BMS) in maintaining optimal performance and preventing issues like thermal runaway.By the end of the session, students gained hands-on experience in assembling an electric vehicle, equipping them with valuable skills for working with emerging technologies in the electric mobility sector.

"A glimpse of students engaged in hands-on training for Electric Vehicle assembly."

"Mr. Gopal Reddy Lakkireddy receiving a memento in appreciation for his insightful guidance on Electric Vehicle assembly."

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

1. A Guest Lecture on Guest Lecture on “Fuel Cell-Based Electric Vehicles”

A Guest Lecture organized on “Fuel cell based Electric Vehicles” by Dr.Phani Teja Bankupalli, Asst.Prof., EEE Dept., SRM Institute of Science and Technology, Chennai on 20th Sep 2023 at 3.00 pm Venue: EE210B Seminar Hall, EEE Dept.

The Department of EEE has organized a Guest lecture on Fuel cell based Electric Vehicles by Dr.Phani Teja Bankupalli, Asst.Prof., SRM Institute of Science and Technology, Chennai on 20thSep 2023. The targeted participants of said is faculty members and students from the EV club.Dr.Phani Teja Bankupalli gave a presentation on Fuel cell based Electric Vehicles starting from different classifications of Electric Vehicle. He explained present electric vehicle market in Indian scenario and across the globe. Also explained the characteristics of fuel cell and power conditioning unit (PCU) which contains the power converter and controller required for fuel cell operated EV. He also discussed the challenges associated with an existing infrastructure. Also, he taught about the research areas for the design of fuel cell based Electric Vehicles. He explored the role of electrical engineer in electric vehicle industry and its future aspects and research point of view.

"Guest Lecture on Fuel Cell-Based Electric Vehicles by Dr. Phani Teja Bankupalli, SRM Institute of Science and Technology, Chennai, at VRSEC"

2. Guest Lecture on “Power Grid Operations and Control”

On 4th November 2023, the department of electrical and electronics engineering conducted a GUEST LECTURE. The students actively participated in the event made it successful. This event has been organized in association with Institution of engineers [IE], India.

Convener:

Dr.P.V.R.L.Narasimham
Professor and HOD, EEE Department.

Coordinater:

Dr.K.Dhananjay Rao
Assistant Professor, EEE Department, VRSEC
Faculty Incharge, Institution of Engineers [IE], India.

"Expert Talk on Power Grid Operations & Career Insights by VRSEC Alumnus G.M. Sharat Chandra"

The event began with an introduction by the IE Coordinators, featuring the guest, Mr. G.M. Sharat Chandra, Chief Manager at Grid Controller of India Limited and an alumnus of VRSEC (EEE, 2005-2009). With expertise in grid operations, power system reliability, and transmission outage management, he shared insights on power grid systems, power distribution, and India's overall power network. He discussed challenges in grid operation, renewable energy integration, and job opportunities in power generation, transmission, and distribution. The interactive session engaged 3rd-year students, inspiring interest in core domains. The event concluded with a vote of thanks by the IE Coordinators.

"Memento Presentation to Mr. G.M. Sharat Chandra by EEE Department, VRSEC in Appreciation of His Expert Talk"

3. A guest lecture on Guest Lecture on Energy conservation day

The department of Electrical and Electronics Engineering conducted an Awareness Program on Energy Conservation on 19th December, 2023. It is organized in association with Institution of Engineers (IE), India.

Chief Guests:

K.V. Ramana Rao,

Superintending Engineer (Retd.),
Eastern Power Distribution Company

Dr.A.V.Ratna Prasad

Principal, VR Siddhartha Engineering College

Convenor:

Dr.P.V.R.L.Narasimham

Professor and HOD, EEE Department

Coordinator:

Dr. K.Dhananjay Rao

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

The EEE department of Velagapudi Ramakrishna Siddhartha Engineering College, in collaboration with IE India, Andhra Pradesh State Center, organized a guest lecture on “Save Energy and Save World” during Energy Conservation Week-2023. The event aimed to raise awareness about energy conservation for future generations. Chief Guest K.V. Ramana Rao, Superintending Engineer (Retd.), Eastern Power Distribution Company, shared energy-saving tips and emphasized the need to avoid unnecessary energy use. He highlighted that conservation should be a daily practice to preserve resources and discussed the consequences of energy wastage, urging responsible energy consumption.

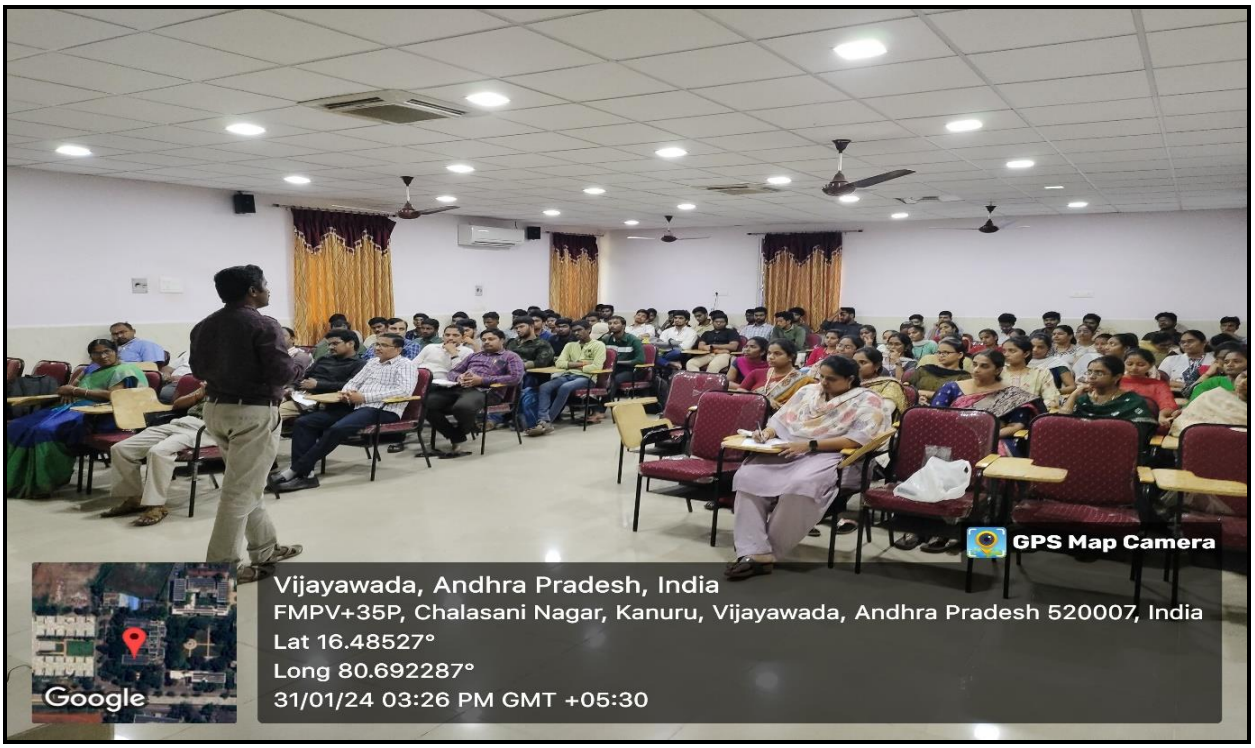
"Awareness Program on Energy Conservation – Expert Session by K.V. Ramana Rao, Organized by EEE Department, VRSEC & IE India"

"Chief Guest K.V. Ramana Rao receiving a memento for his insights on energy conservation."

4. A Guest Lecture organized on "Multilevel Inverter fed PMSM Drive for EV Applications"

A Guest Lecture organized on "Multilevel Inverter fed PMSM Drive for EV Applications" by Dr.Tejavathu Ramesh, Assistant Professor & HOD, Dept. of EEE National Institute of Technology, AP on 31st Jan 2024 at 3.00 pm Venue: EE210A Seminar Hall, EEE Dept.

Dr.Tejavathu Ramesh gave a presentation on PMSM based Electric Vehicles starting from different classifications of Electric Vehicle. He explained present electric vehicle market in Indian scenario and across the globe. Also explained the different motor configurations for EV. He also discussed the challenges associated with an existing infrastructure. Also, he taught about the research areas for the design of **Multilevel Inverter fed PMSM Drive** for Electric Vehicles. He explored the role of electrical engineer in electric vehicle industry and its future aspects and research point of view.



"Dr. Tejavathu Ramesh presenting the guest lectures on 'Multilevel Inverter fed PMSM Drive for EV Applications'."

He addressed the faculty members in research point of view about the problems associated with electric vehicle industry. He explained about his current research project on **Multilevel Inverter fed PMSM Drive** for Electric Vehicle sponsored by SERB. Also, He explained about his completed SERB project related to Electric drives.

"Dr. Tejavathu Ramesh receives a memento in appreciation for his guest lecture on EV applications."

The Guest lecture ended with questionnaire and suggestion session. The Head of the Department Dr.P.V.R.L.Narasimham applauded with Memento and Vote of Thanks.

5. A collaborative one-week online faculty development program (JOINT-FDP) on AI applications to electric vehicles

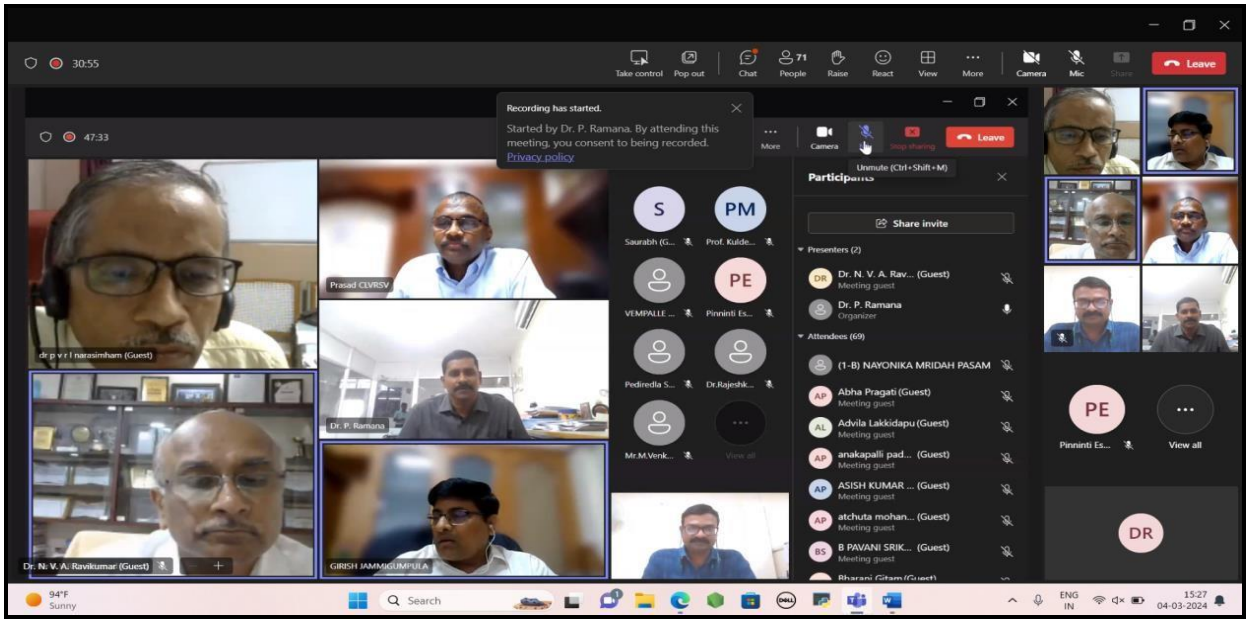
Department of Electrical and Electronics Engineering, GMRIT, and VRSEC have successfully organized A Collaborative One-Week Online Faculty Development Program (Joint-FDP) on **"AI Applications to Electric Vehicles"** from 4th to 9th March 2024.A total of 76 participants from 46 colleges have attended the program through online mode.

Inaugural Session on 04-03-2024

Dr. P. V. R. L. Narasimham, Head of the Department (EEE), VRSEC, delivered the Welcome Address Dr. Ramana Pilla, Head of the Department (EEE), GMRIT, delivered the overview of the FDP

Dr. A V Ratna Prasad, Principal, VRSEC, addressed the gathering Dr. C.L.V.R.S.V. Prasad, Principal, GMRIT, addressed the gathering

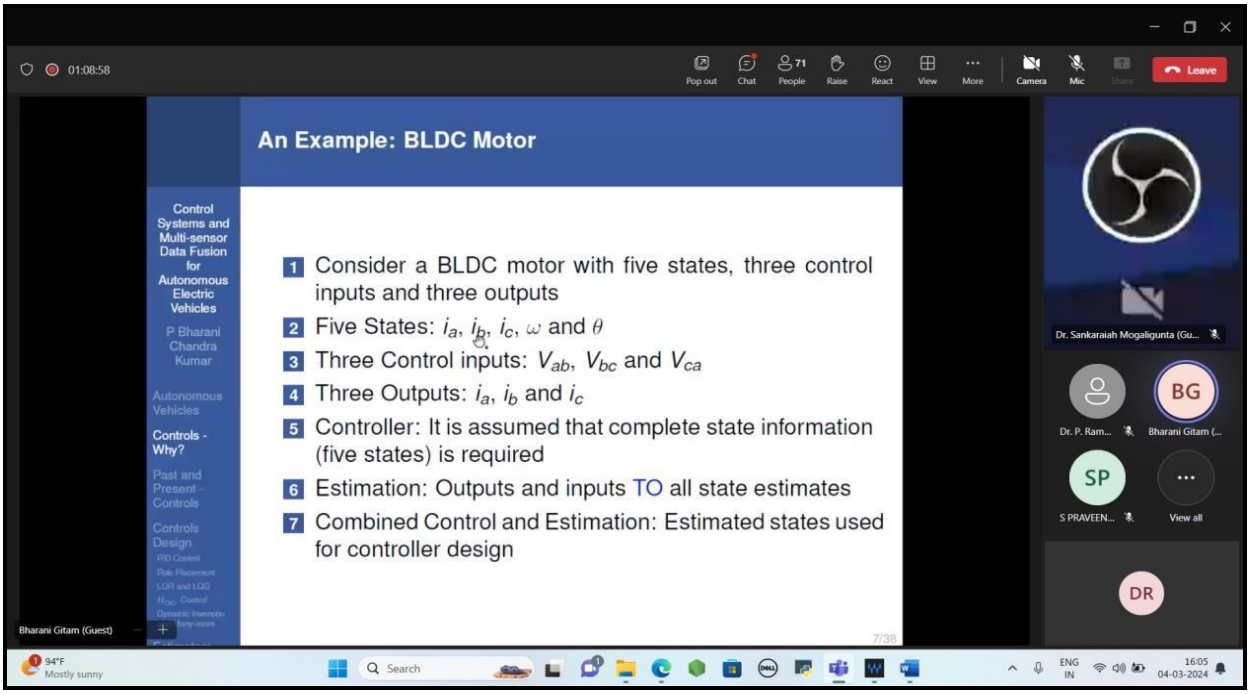
Dr. Girish Jammigumpula, Director, GMRIT, addressed the gathering



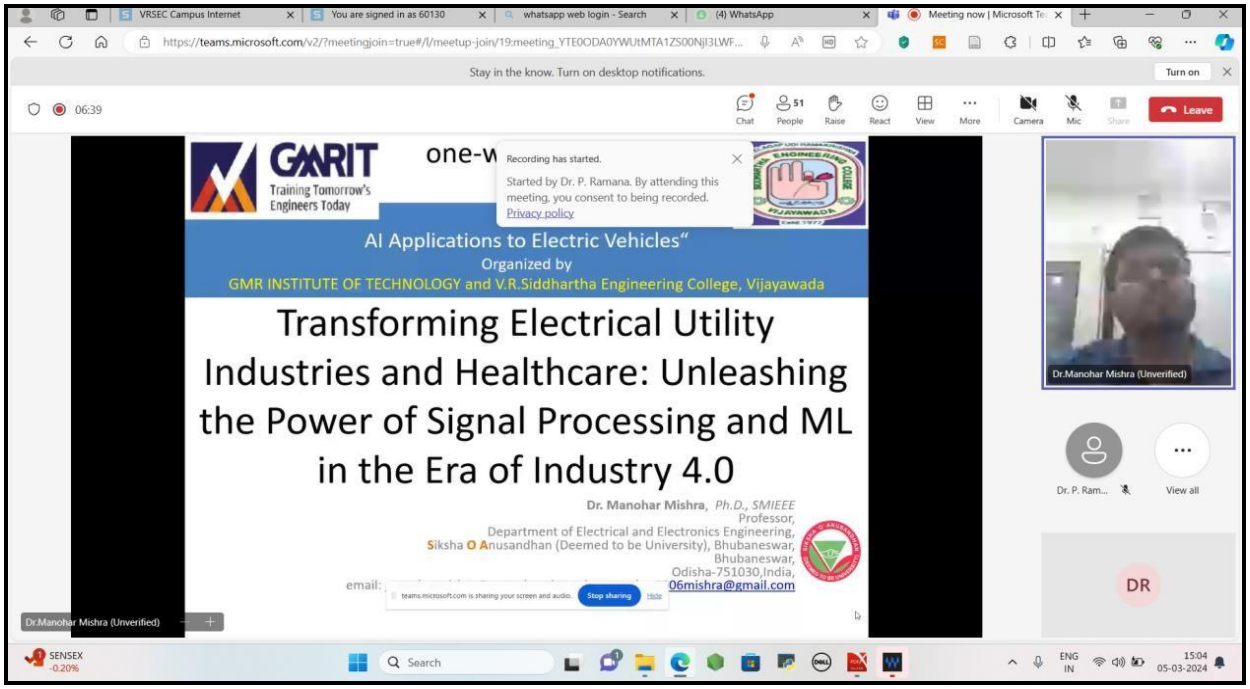
"Inaugural Session of the Joint-FDP on 'AI Applications to Electric Vehicles' organized by GMRIT & VRSEC."

Date	Resource Person	Topic
4th March 2024 (Monday) 3:00 p.m. to 5:00 p.m.	 Dr. P. Bharani Chandra Kumar Professor, Dept. of EECE GITAM University, Visakhapatnam, A.P.	Multi-Sensor Data-Fusion for Autonomous Electric Vehicles
5th March 2024 (Tuesday) 3:00 p.m. to 5:00 p.m.	 Dr. Manohar Mishra Professor, Dept. of Electrical & Electronics Engg., Siksha O Anusandhan Univeristy, Bhubaneswar	Transforming Electrical Utility Industries and Healthcare: Unleashing the Power of Signal Processing and ML in the Era of Industry 4.0
6th March 2024 (Wednesday) 3:00 p.m. to 5:00 p.m.	 Dr. Suresh Lakhimsetty Assistant Professor, Ph. D. Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat, India.	An Introduction to Electric Vehicles: Open-End Winding Topology & Torque Control Strategies
7th March 2024 (Thursday) 3:00 p.m. to 5:00 p.m.	 Dr. T S Kishor. Professor GMRIT Rajam	Sustainable Transportation
8th March 2024 (Friday) 3:00 p.m. to 5:00 p.m.	 Dr. Hareesh Myneni Assistant Professor Dept. of Electrical & Electronics Engineering NIT Srinagar	Wireless Power Technology for Electric Vehicles
9th March 2024 (Saturday) 3:00 p.m. to 5:00 p.m.	 Dr. M Narayan Mohanty Professor, Dept. of Electrical & Electronics Engg., Siksha O Anusandhan Univeristy, Bhubaneswar	Electric Vehicles through Artificial Intelligence: Applications on Control & Predictive Maintenance

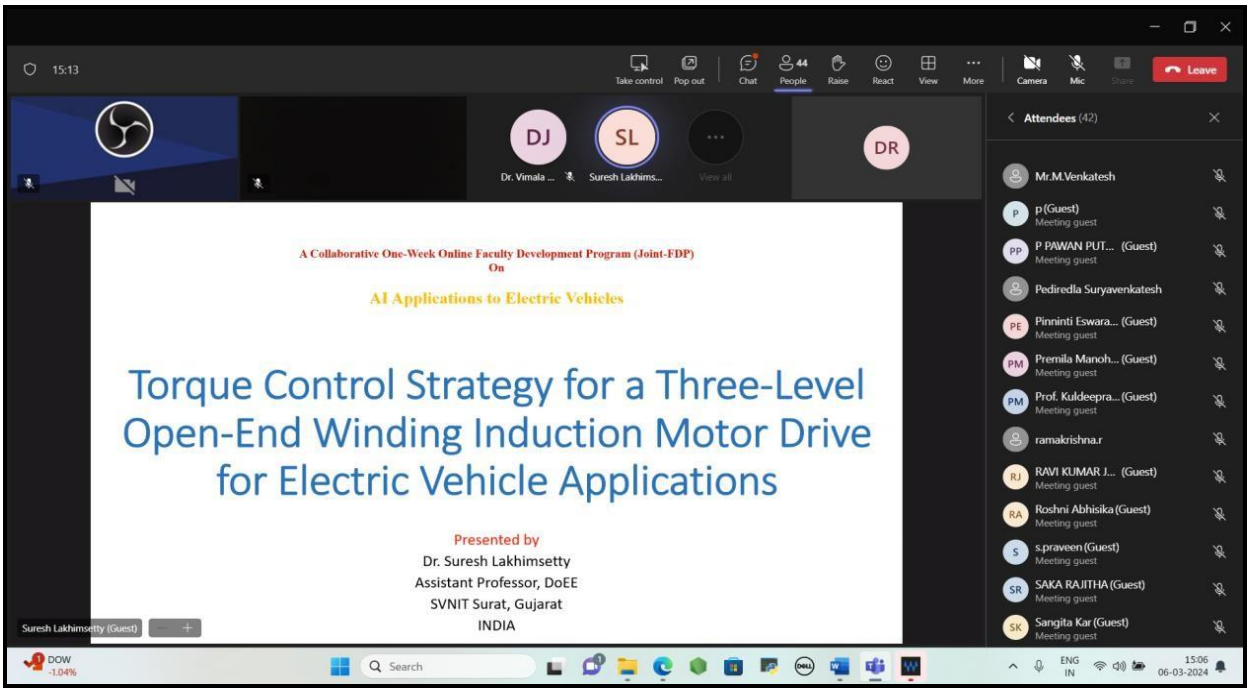
4th March 2024 -3.00 PM to 5.00PM
Speaker : Dr. P. Bharani Chandra Kumar
Topic: Multi-Sensor Data-Fusion for Autonomous Electric Vehicles



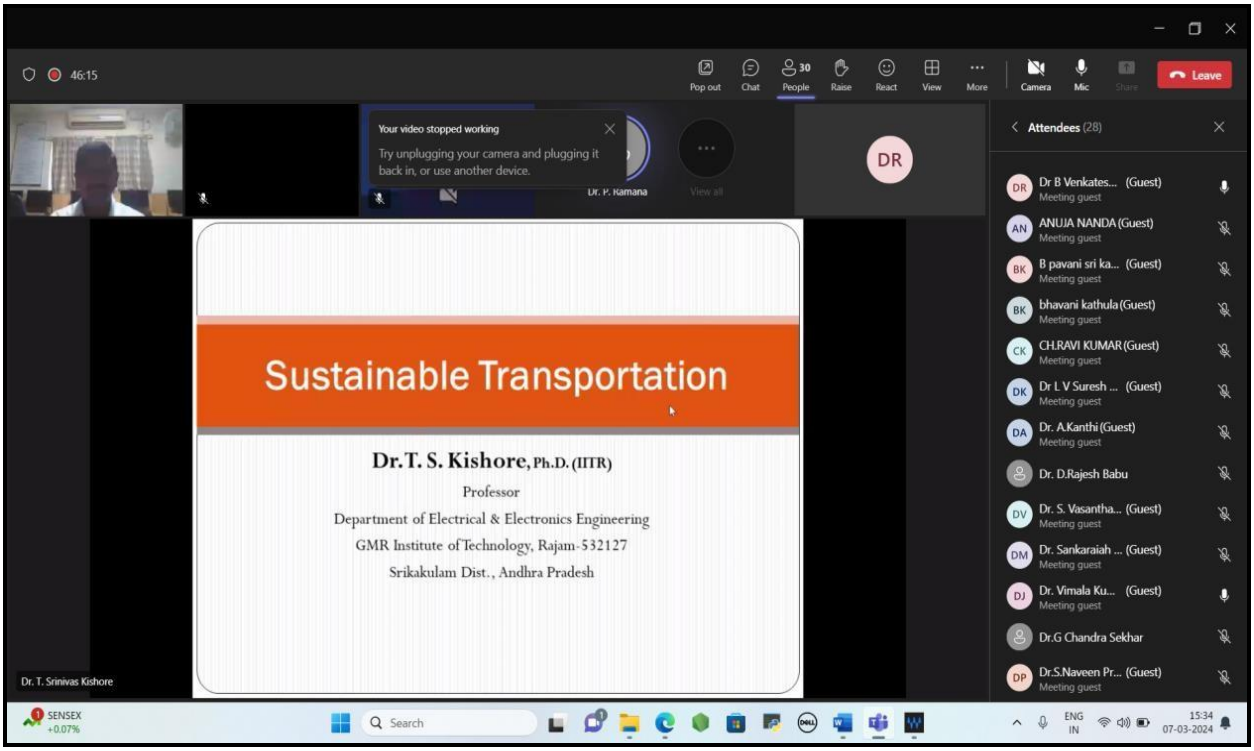
5th March 2024 -3.00 PM to 5.00PM
Speaker : Dr. Manohar Mishra
Topic: Transforming Electrical Utility Industries and Healthcare: Unleashing the Power of Signal Processing and ML in the Era of Industry 4.0



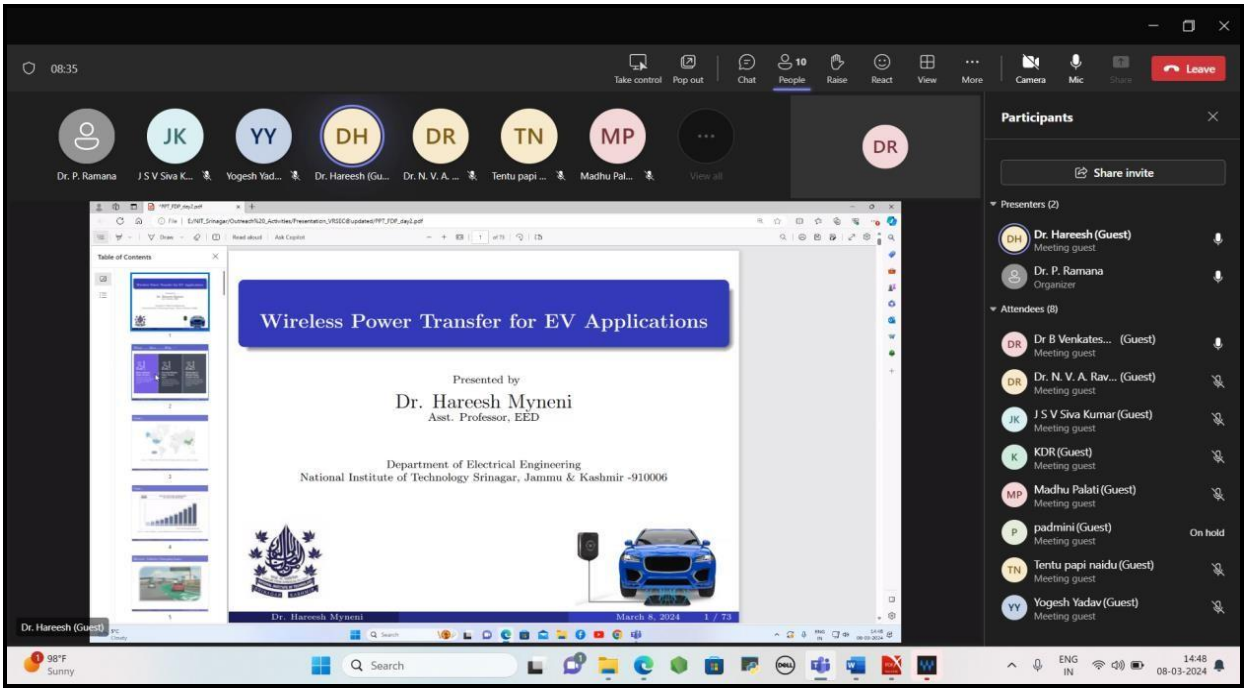
6th March 2024 -3.00 PM to 5.00PM
Speaker : Dr. Suresh Lakhimsetty
Topic: An Introduction to Electric Vehicles: Open-End Winding Topology & Torque Control Strategies



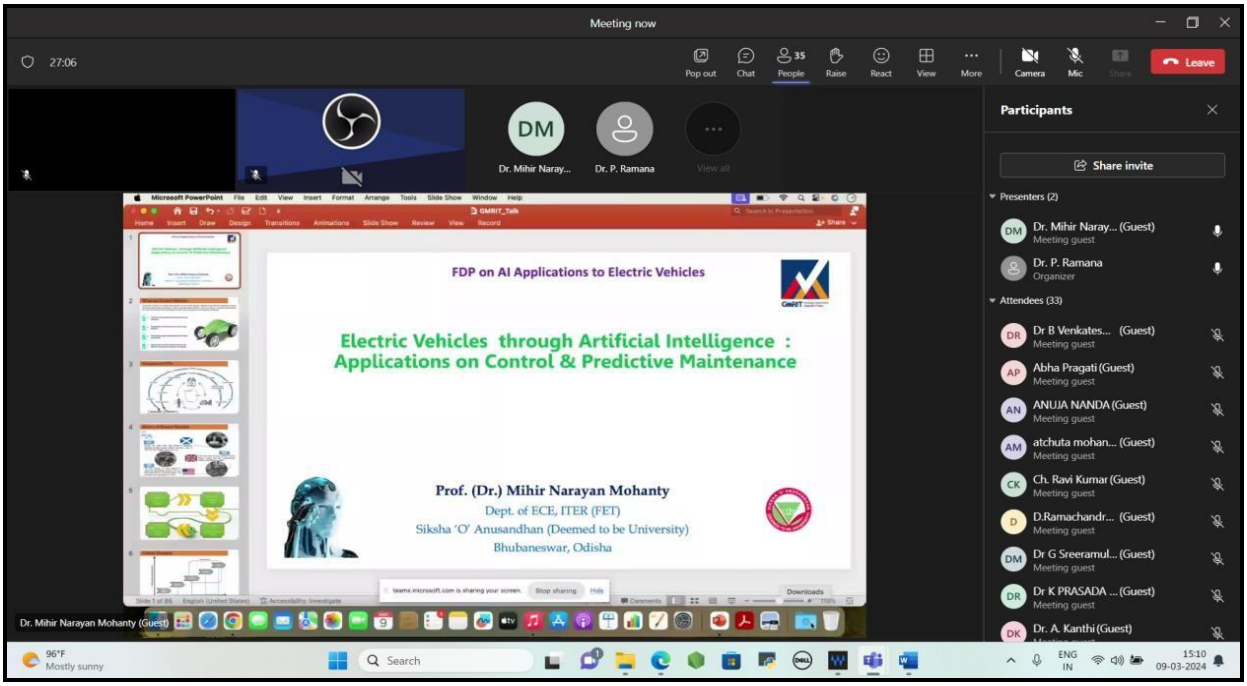
7th March 2024 -3.00 PM to 5.00PM
Speaker : Dr. T S Kishore, Professor, GMRIT
Topic: Sustainable Transportation



8th March 2024 -3.00 PM to 5.00PM
Speaker : Dr. Hareesh Myneni
Topic: Wireless Power Technology for Electric Vehicles



9th March 2024 -3.00 PM to 5.00PM
Speaker : Dr. M Narayan Mohanty
Topic:Electric Vehicles through Artificial Intelligence: Applications on Control & Predictive Maintenance



Co-Ordinators	**Conveners**	**Principals**
Dr. B. Venkateswara Rao Associate Professor, Department of EEE, VRSEC Dr. J. Vimala Kumari., Assistant Professor, VRSEC Dr. N. V. A. Ravikumar, Sr. Assistant Professor, Department of EEE GMRIT Dr. P. Upendra Kumar., Sr. Assistant Professor, GMRIT	Dr. P. V. R. L. Narasimham Professor & Head, Department of EEE, VRSEC Dr. P. Ramana Professor & Head, Department of EEE, GMRIT	Dr. A.V Ratna Prasad, VRSEC, Dr. C. L.V. R. S.V. Prasad, GMRIT

6. A Career Awareness Lecture for the students

A Report on Career Awareness Lecture for the students by **Narayana Prasad, AP** on 6th Feb 2024 **at 11:00 am Venue: EE210B Seminar Hall, EEE Dept.** The targeted participants of said is students from the EEE deparment.

M**r. Narayana Prasad** gave a presentation on **Career Awareness Lecture** for the students. He explained present market for electrical engineers in India and across the globe. Also gave the motivation lecture towards their goal. He also discussed the challenges associated with the present market. He explored the role of electrical engineer in industries and its future aspects and research point of view

"Career Awareness Lecture by Er.Narayana Prasad– Guiding the Future."

7. A Seminar on Career Opportunities through GATE for the students

A Report on Seminar on Career Opportunities through GATE for the students by **Mr. Vineeth Guptha, Director of IMS GATE Academy** on 24th Jan 2024 **at 2:00 pm Venue: EE210B Seminar Hall, EEE Dept.** The targeted participants of said is students from the EEE department. M**r. Vineeth Guptha** gave a presentation on **Career Opportunities through GATE** for the students. He explained present market for electrical engineers in India and across the globe. Also gave the motivation lecture towards their goal. He also discussed the challenges associated with the present market. He explored the role of electrical engineer in industries and its future aspects and research point of view.

"Engaging Seminar on GATE Career Opportunities for EEE Students by Mr. Vineeth Guptha"

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	Cloud Computing	July to Oct 2023	NPTEL-AICTE	FDP
2.		Professor	"Machine Learning Applications for Engineers"	3rd - 7th, June 2024	Chaitanya Bharathi Institute of Technology in Technical Association with ACM Hyderabad Deccan Chapter	FDP
3.	S.V.R.L.Kumari	Associate Professor	Outcome based Education and Essential AI tools for Teachers	02/112023 to 09/11/2023	The Internal Quality Assurance Cell (IQAC) and, St. Albert's College (Autonomous), Ernakulam	FDP
4.		Associate Professor	Sustainable energy systems and applications	11/12/2023 to 16/12/2023.	VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE , ATAL	FDP
5.		Associate Professor	"Recent Trends in Renewable and Electric Vehicle Technologies"	03.06.2024 to 07.06.2024	Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna(Dt),	FDP
6.	Dr.G.Srinivasa Rao	Associate Professor	Software Testing	Jan-Feb 2024	NPTEL-AICTE	FDP
7.	Dr.B.Venkateswara Rao	Associate Professor	Faculty Entrepreneurship Development Programme" Funded by the Department of Science and Technology,	14-08-23 to 26-08-23	Kalasalingam Academy of Research and Education	FDP
8.		Associate Professor	Micro grid System Design & Simulation using HOMER Pro & HOMER Grid Software	06-09-2023	Homer Energy by UL, USA in association with M/s Dellsoft Technology Pvt. Ltd, New Delhi	FDP
9.		Associate Professor	Outcome Based Education and Essential AI Tools for Teachers	02 November 2023 to 09 November 2023	The Internal Quality Assurance Cell (IQAC) and The Department of Computer Science, St. Albert's College Ernakulam	FDP

10.		Associate Professor	Cloud Computing	July to Oct 2023	NPTEL-AICTE	FDP
11.	S N V S K Chaitanya	Assistant Professor	"Artificial Intelligence Applications to Electric Vehicles"	04th - 09th March 2024	GMR Institute of Technology, Rajam and Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada	FDP
12.	MLN Vital	Assistant Professor	Power converters for Green Energy and EV Integration	13/03/24 to 17/03/24	NIT Rourkela	FDP
13.		Assistant Professor	Data Science using Python	19/02/2024 to 23/02/2024	Andhra Loyola Institute of Engineering and Technology, Vijayawada, Andhra Pradesh	FDP
14.	V. Hari Vamsi	Assistant Professor	Professional Development Program on Outcome Based Education	05-09-2023 to 09-09-23	Dept. of IT, IQAC VRSEC &NITTTR Chennai	FDP
15.		Assistant Professor	ArtificialIntelligence Applications to Electric Vehicles	04th - 09th March 2024	GMR Institute of Technology, Rajam and VelagapudiRamakrishna Siddhartha Engineering College, Vijayawada, Andhra Pradesh, India	FDP
16.	V.Ravindranath Chowdary	Assistant Professor	Introduction to Internet of Things	Jan-Apr 2024	NPTEL-AICTE	FDP
17.		Assistant Professor	Cloud Computing	Jan-Apr 2024	NPTEL-AICTE	FDP
18.		Assistant Professor	The Joy of Computing using Python	Jan-Apr 2024	NPTEL-AICTE	FDP
19.	Dr.K.Dhananjay Rao	Assistant Professor	Short term Course on Power Train Design of Electric Vehicles	20-07-2023 to 22-07-2023	Indian Institute of Science, Banglore	FDP
20.		Assistant Professor	Battery Management in EV-Integrated Microgrids for Sustainable Power Solutions (BMEVIM)	09/10/2023 to 13/10/2023	Department of Electrical and Electronics Engineering, by SNIST in association with HBL Power System Ltd, India	FDP

21.	B Swarupa Rani	Assistant Professor	Trends in Technological Intelligence 2023 (T2I-2023)	21/08/2023 to 25/08/2023	Departments of Electronics & Communication Engineering, BBDNIIT, Lucknow	FDP
22.		Assistant Professor	Challenges, Applications and Technologies in Engineering	12/09/2023 to 16/09/2023	Department of Electrical and Electronics Engineering, ARKA JAIN University, Jharkhand	FDP
23.	K.Lalitha	Assistant Professor	Professional Development Program on Outcome Based Education	05-09-2023 to 09-09-23	Dept. of IT,IQAC VRSEC &NITTTR Chennai	FDP
24.		Assistant Professor	Deep Learning and Artificial Intelligence	26th Feb to 1st March 2024	Andhra Pradesh State Skill Development Corporation (APSSDC)	FDP
25.		Assistant Professor	NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme	22.01.24 to 31.01.24	Sri Venkates wara University	FDP
26.	Dr.D.Indira	Assistant Professor	Smart Grid and Integration of Distributed Generation	28/08/2023 to 01/09/2023	Electrical Engineering Department, St. Josephs College of Engineering, Chennai, NTTTR, Chandigarh	FDP
27.		Assistant Professor	Battery Management in EV-Integrated Microgrids for Sustainable Power Solutions (BMEVIM)	09/10/2023 to 13/10/2023	Department of Electrical and Electronics Engineering, by SNIST and IEEE PES, IAS, PELS, IEEE SB, SNIST in association with HBL Power System Ltd, India	FDP
28.		Assistant Professor	Sustainable energy systems and applications	11/12/2023 to 16/12/2023.	VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE , ATAL	FDP
29.		Assistant Professor	ArtificialIntelligence Applications to Electric Vehicles	04th - 09th March 2024	GMR Institute of Technology, Rajam and VelagapudiRamakri	FDP

					shna Siddhartha Engineering College, Vijayawada, Andhra Pradesh, India	
30.		Assistant Professor	Machine Learning for Engineering and Science Applications	Jan-Apr 2024	NPTEL-AICTE	FDP
31.		Assistant Professor	The Joy of Computing using Python	Jan-Apr 2024	NPTEL-AICTE	FDP
32.	V.Bindu	Assistant Professor	Smart Grid and Integration of Distributed Generation	28/08/2023 to 01/09/2023	Electrical Engineering Department, St. Josephs College of Engineering, Chennai, NTTTR, Chandigarh	FDP
33.		Assistant Professor	Introduction to Machine Learning	July to Sep 2023	NPTEL-AICTE	FDP
34.		Assistant Professor	NEP orientation and sensitaization programme	15/12/2023 to 23/12/23	UGC-Malaviya Mission Teacher training center	FDP
35.		Assistant Professor	Design and Development of Electric Vehicles	18/12/2023 to 22/12/23	Dhanekula Institute of Engineering and Technology	FDP
36.		Assistant Professor	ArtificialIntelligence Applications to Electric Vehicles	04th - 09th March 2024	GMR Institute of Technology, Rajam and VelagapudiRamakrishna Siddhartha Engineering College, Vijayawada, Andhra Pradesh, India	FDP
37.		Assistant Professor	Machine Learning for Engineering and Science Applications	Jan-Apr 2024	NPTEL-AICTE	FDP
38.		Assistant Professor	The Joy of Computing using Python	Jan-Apr 2024	NPTEL-AICTE	FDP
39.		Assistant Professor	“Integration of Renewable Energy Systems- Research Tools / Industrial Perspective”	18.05.2020 to 22.05.2020	Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna(Dt),	FDP
40.	Sri.T.Naveen Kumar	Assistant Professor	Knowledge Sharing Program on Teching through case studies - Making effective use of Short	10-08-2023	ICFAI group, Vijayawada	FDP

			compact case studies & The changing role of Teacher in student development			
41.	Dr.G.Srinivasa Rao	Associate Professor	Professional Development Programme on "Research management through Sponsored & Consultancy Projects and Patents	09-09-2023	ECE Dept, VRSEC	Seminar
42.	Dr.B. Venkateswara Rao	Associate Professor	Professional Development Programme on "Research management through Sponsored & Consultancy Projects and Patents	09-09-2023	ECE Dept, VRSEC	Seminar
43.	Dr.K.Dhananjay Rao	Assistant Professor	Designing and Modelling of Battery Pack using MATLAB	06-08-2023	ISIEINDIA	Seminar
44.		Assistant Professor	Machine learning: Next Generation Intelligent E-Mobility	23-09-2023	IEEE Power Electronics Society Student Branch Chapter, Harcourt Butler Technical University (HBTUK),	Seminar
45.	Dr.D.Indira	Assistant Professor	Professional Development Programme on "Research management through Sponsored & Consultancy Projects and Patents	09-09-2023	ECE Dept, VRSEC	Seminar
46.	Dr.N.VamsiKrishna	Assistant Professor	Curriculum	17/11/23 to19/11/23	IETE Vijayawada and Effectronics Pvt.Ltd	Workshop
47.	R.MadhusudhanaRao	Assistant Professor	Curriculum	17/11/23 to19/11/23	IETE Vijayawada and Effectronics Pvt.Ltd	Workshop
48.	Dr.K.Dhananjay Rao	Assistant Professor	IP Awareness/Training program under National Intellectual Property Awareness Mission	10-08-2023	Intellectual Property Office, India	Workshop

49.		Assistant Professor	DRONE BOOT CAMP	26-10-2023 to 28-10-2023	Dhanekula Institute of Engineering and Technology, Ganguru, Vijayawada in association with Dronix Israel	Workshop
50.	Dr.D.Indira	Assistant Professor	DRONE BOOT CAMP	26-10-2023 to 28-10-2023	Dhanekula Institute of Engineering and Technology, Ganguru, Vijayawada in association with Dronix Israel	Workshop
51.		Assistant Professor	Electric Vehicles	26-10-2023 to 28-10-2023	U'R CAD CAM ACADEMY	Workshop
52.	V.Bindu	Assistant Professor	DRONE BOOT CAMP	26-10-2023 to 28-10-2023	Dhanekula Institute of Engineering and Technology, Ganguru, Vijayawada in association with Dronix Israel	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	P.Venkatesh	Assistant Professor	MATLAB EXPO 2023 India	20-07-2023	P.B.Siddhartha College of Arts &Science
2	S.V.R.L Kumari	Associate Professor	MATLAB EXPO 2023 India	20-07-2023	P.B.Siddhartha College of Arts &Science
3	V.Ravindranath Chowdary	Assistant Professor	Amazon Web Services (MLops)	07/06/23 to 07/07/23	IETE Ranchi and Pantech e learning
4	V.Ravindranath Chowdary	Assistant Professor	Battery Management System	16/09/23 to 16/10/23	IETE Ranchi and Pantech e learning
5	V.Ravindranath Chowdary	Assistant Professor	Machine Learning	01/09/23 to 30/09/23	IETE Ranchi and Pantech e learning
6	Dr.G.Srinivasa Rao	Associate Professor	Regional Meet Institutions Innovation Council MoEs Innovation cell	06-01-2024	Koneru Lakshmiah Education Foundation
7	Dr.G.Srinivasa Rao	Associate Professor	Innovative Bharat-IIC Regional Meet 2023	06-01-2024	Koneru Lakshmiah Education Foundation
8	V.Bindu	Assistant Professor	PPT on Energy conversion Technologies	13-12-2023	SDMSM Kalasala, Vijayawada
9	K.Lalitha	Assistant Professor	Expert talk on Master Class in Technical writing	04/03/2024 to 08/03/2024	OP Jindal University, Raigarh
10	Dr.Indira	Assistant Professor	Reviewer in the conference “2024 IEEE Students Conference on Engineering and Systems (SCES-2024)	June 21-23, 2024	Motilal Nehru National Institute of Technology Allahabad
11	Dr.G.Srinivasa Rao	Associate Professor	guest lecture on "Inspire to Invite" as part of IIC impact lectures	28-06-2024	D M S S V H College of Engineering, Machilipatnam
12	P.Venkatesh	Assistant Professor	Training program on PLC Automation	31/05/23-30/06/23	HiTech Automation, Vijayawada
13	SNVSK Chaitanya	Assistant Professor	Training program on PLC Automation	31/05/23-30/06/23	HiTech Automation, Vijayawada

FACULTY PUBLICATIONS

International Journals

SCI/SCIE: 17, SCOPUS: 10, ESCI: 03

Q1: 08 Q2: 10 Q3: 10 Q4: 01

UG: 02 (ESCI)

1. **Bindu Vadlamudi** and T Anuradha, "Optimized Hybrid CNN-LSTM Based Islanding Detection of Solar-Wind Power System", Electric Power Components and Systems, June 2023. DOI: 10.1080/15325008.2023.2220333. **(SCIE)** (I.F. 1.5) (Q3)
2. **Bindu Vadlamudi** and T Anuradha, "Review of islanding detection using advanced signal processing techniques", Electrical Engineering, August 2023. DOI: 10.1007/s00202-023-01967-4. **(SCIE)** (I.F. 1.4) (Q2)
3. **K Dhananjay Rao**, MudunuruSatyaDev Kumar, PaidiPavani, Darapureddy Akshitha, KagithaNagamaleswara Rao, Hafiz TayyabRauf and Mohamed Sharaf, "Cardiovascular disease prediction using hyperparameters-tuned LSTM considering COVID-19 with experimental validation", AIMS Bioengineering, vol. 10, no. 3, pp. 265-282, September 2023. DOI: 10.3934/bioeng.2023017. **(ESCI)**(I.F. 2.3) (UG)
4. **Subhojit Dawn, Gummadi Srinivasa Rao, M. L. N. Vital, K. Dhananjay Rao**, Faisal Alsaif and Mohammed H. Alsharif, "Profit Extension of a Wind-Integrated Competitive Power System by Vehicle-to-Grid Integration and UPFC Placement", Energies, vol. 16, no. 18, September 2023. DOI: 10.3390/en16186730. **(SCIE)**. (I.F. 3.2) (Q1)
5. **Subhojit Dawn**, Shreya Shree Das, M. Ramesh, S R Inkollu, T K S Pandraju, Faisal Alsaif, Sager Alsulamy and Taha Selim Ustun, "Profit Expansion of a Solar Integrated Day-Ahead System by Placement of TCSC and Fuel Cell in the Presence of Disequilibrium Price", IEEE Access, vol. 11, pp. 111812 – 111831, September 2023. DOI: 10.1109/ACCESS.2023.3315747. **(SCIE)** (I.F. 3.9) (Q1)
6. T. Papi Naidu, G. Balasubramanian and **B Venkateswararao**, "Optimal power flow with distributed energy sources using whale optimization algorithm", International Journal of Electrical and Computer Engineering (IJECE), vol. 13, no. 5, pp. 4835-4844, October 2023. DOI: 10.11591/ijece.v13i5. **(SCOPUS)** (I.F. 0.704) (Q3)
7. **Chaitanya S.N.V.S.K.**, Bakkiyaraj R.A. and **Rao B.V.**, "Scenario-Based Approach to Solve Optimal Reactive Power Dispatch Problem with Integration of Solar Energy Using Modified Ant Lion Optimizer", SN Computer Science, vol. 5, no. 1, December 2023. DOI: 10.1007/s42979-023-02315-w. **(SCOPUS)** (I.F. 1.278) (Q2)
8. **Indira Damarla**, VenmathiMahendran, RamuduGanji and Sangari A, "A Quick Demagnetization Approach for low torque ripple in Three Phase SR Motor Drive System for EV Applications",

International Journal of Circuit Theory and Applications, December 2023. DOI: 10.1002/cta.3898. (**SCIE)** (I.F. 2.45) (Q2)

9. **Indira Damarla**, Venmathi Mahendran, Krishna kumar V and Anbarasan P, “Performance Analysis of FEC Based SR Motor Drive Using Fuzzy Tuned PI Controller’, Circuit World, December 2023. DOI: 10.1108/CW-08-2022-0240. **(SCIE)** (I.F. 2.1) (Q3)
10. Koganti Srilakshmi, **Gummadi Srinivasa Rao**, Katragadda Swarnasri, Sai Ram Inkollu, Krishnaveni Kondreddi, Praveen Kumar Balachandran and Ilhami Colak, “Optimization of ANFIS controller for solar/battery sources fed UPQC using an hybrid algorithm”, Electrical Engineering, January 2024. DOI: 10.1007/s00202-023-02185-8. **(SCIE)** (I.F. 1.8) (Q2)
11. Srilakshmi, K., **Rao, G.S.,** Praveen Kumar Balachandran and TomonobuSenjyu, "Green Energy Sourced AI Controlled Multilevel UPQC Parameter Selection Using Foot Ball Game Optimization" Frontiers in Energy Research, vol. 12, February 2024, DOI: 10.3389/fenrg.2024.1325865. **(SCIE)** (I.F. 3.858) (Q2)
12. SeshuMoturu, **Srinivasa Rao Gummadi**, MadhuValavala, VeeraVasantha Rao Battula, and SravanthiKantamaneni, "A Novel Transformer Approach for the Recompensed Measurement Generation and Accurate Topology Identification," Engineering Letters, vol. 32, no. 3, pp. 601-613, March 2024. **(SCOPUS)** (I.F. 2) (Q3)
13. Koganti Srilakshmi, **Gummadi Srinivasa Rao**, KatragaddaSwarnasri, Sai Ram Inkollu, KrishnaveniKondreddi, Praveen Kumar Balachandran, C. Dhanamjayulu and Baseem Khan, "Multiobjective Neuro-Fuzzy Controller Design and Selection of Filter Parameters of UPQC Using Predator Prey Firefly and Enhanced Harmony Search Optimization", International Transactions on Electrical Energy Systems, vol. 2024, no. 6611240, March 2024. DOI: 10.1155/2024/6611240. **(SCIE)** (I.F. 5.3) (Q2)
14. **Ranga, MadhuSudana Rao, Veera Reddy Aduru, N. Vamsi Krishna, K. Dhananjay Rao, Subhojit Dawn**, Faisal Alsaif, Sager Alsulamy, and Taha Selim Ustun, "An Unscented Kalman Filter-Based Robust State of Health Prediction Technique for Lithium Ion Batteries", Batteries, vol. 9, no. 7, pp. 376, July 2023. DOI: 10.3390/batteries9070376. **(SCIE)** (I.F. 4) (Q2)
15. SrinivasaraoThumati, **Madhusudana Rao Ranga, Veera Reddy Aduru**, VeeraVasantha Rao Battula and SravanthiKantamaneni, “Hybrid Dandelion Optimizer-based Multi-Objective Photovoltaic Power Penetration Maximization in Reconfigurable Distribution Networks”, International Journal of Intelligent Engineering, vol. 16, no. 4, pp. 105–1142023, July 2023. **(SCOPUS)** (I.F. 3.1) (Q3)
16. K. V. S. R. Prasad, **K. Dhananjay Rao** and F. Alsaif, "Induction Motor Structure Design to Reduce Vibrations with Numerical (FEA) and Experimental (VA) Techniques," IEEE Access, April 2024. DOI: 10.1109/ACCESS.2024.3374785. **(SCIE)** (I.F. 3.9) (Q1)

17. **K. Dhananjay Rao**, N VijayaAnand, Thandava Krishna Sai, F. Alsaif and Ustun T.S., "Optimally Tuned Gated Recurrent Unit Neural Network-based State of Health Estimation Scheme for Lithium Ion Batteries", IEEE Access, May 2024. **(SCIE)** (I.F. 3.9) (Q1)
18. **K. Dhananjay Rao**, AnilkumarChappa, **SVNSK Chaitanya**, A. Hemachander, B. PhaniTeja, **Subhojit Dawn**, Miska Prasad and Taha Selim Ustun, "Fractional order modeling based optimal multistage constant current charging strategy for lithium iron phosphate batteries", Energy Storage, vol. 6, no. 2, pp. e593, March 2024, DOI: 10.1002/est2.593. **(SCOPUS)** (I.F. 3.2) (Q3)
19. **Lalitha Kondisetti** and Swarnasri Katragadda, "A multi-objective artificial hummingbird algorithm for dynamic optimalvolt-var controls for high electric vehicle load penetration in a photovoltaic distribution network", e-Prime - Advances in Electrical Engineering, Electronics and Energy, vol. 7, March 2024. DOI 10.1016/j.prime.2024.100474. (**SCOPUS**) (I.F. 1.5) (Q1)
20. Bhavana, V Rajeswari, **K Lalitha**, J Vijay anand, and SrinivasaraoThumati, "An Application of Hybrid Sine Cosine Optimization for Developing Sustainable
    Agriculture Distribution Feeders with Optimal Photovoltaic Systems", International Journal of Intelligent Engineering and Systems, April 2024, DOI: 10.22266/ijies2024.0229.35. (**SCOPUS**) (IF.1.9) (Q2)
21. **Lalitha Kondisetti** and KatragaddaSwarnasri, "Hybridization of Improved Northern Goshawk Optimization and Line Loadability Index for Reconfiguration Considering Solar and Electric Vehicles", International Journal of Intelligent Engineering and Systems, Vol. 17, no. 2, April 2024. DOI: 10.22266/ijies2024.0430.35. (**SCOPUS**) (IF.1.9) (Q3)
22. **Swarupa Rani Bondalapati**, BadduNaikBhukya, G.V. PrasannaAnjaneyulu, ManamRavindra, B. Sarath Chandra, "Bidirectional Power Flow between Solar-Integrated Grid to Vehicle, Vehicle to Grid, and Vehicle to Home," Journal of Applied Science and Engineering, vol. 27, no. 5, pp. 2571-2581, October 2023.(**SCOPUS**) (IF.1.3) (Q2)
23. Koganti Srilakshmi, D. Teja Santosh, **Alapati Ramadevi,** Praveen Kumar Balachandran, Ganesh Prasad Reddy, Aravindhababu Palanivelu, IlhamiColak, C. Dhanamjayulu, Ravi Kumar Chinthaginjala and Baseem Khan, "Development of renewable energy fed three-level hybrid active filter for EV charging station load using Jaya grey wolf optimization", Scientific Reports, vol. 14, pp. 4429, 2024. **(SCIE)** (IF. 4.6) (Q1)
24. Vutukuri Sarvani Duti Rekha, **Swarupa Rani Bondalapati**, RatnaKumariVemuri,RamaraoGude, Praveen Tumuluru and 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, June 2023. **(SCOPUS)** (IF. 1.1) (Q4)
25. Koganti Srilakshmi, **Alapati Ramadevi**, J. Ganesh Prasad Reddy, K. Krishna Jyothi, Krishnaveni Kondreddi, Praveen Kumar Balachandran and Ilhami Colak, "A New Control Scheme for

Wind/Battery Fed UPQC for the Power Quality Enhancement: A Hybrid Technique “, IETE Journal of Research, pp. 1–9, 2024. **(SCIE)** (IF. 1.3) (Q3)

26. Saravanan, Perumal, Kumar Cherukupalli, **Ramesh Jayaraman** and Nattanmai Balasubramanian Prakash, "An Analysis of the Experimental Configuration of a Standalone PV System", Tehnički vjesnik, vol. 31, no. 4, pp. 1048-1054, 2024. **(SCIE)** (IF. 1.9) (Q3)
27. Vijayammal, B. K. P, Cherukupalli, K, **Jayaraman R**., and Kannan E, “A Multi-Objective Approach with Modified Particle Swarm Optimization and Hybrid Energy Systems”, Tehnicki vjesnik - Technical Gazette, vol. 31, no. 5, 2024. **(SCIE)** (IF. 1.9) (Q3)
28. **R. C. Vankina**, S. Gope, **S. Dawn**, F. Alsaif and T. S. Ustun, "An Approach for Attaining Economic Profit by Optimal Operation of Hybrid Thermal-Wind-PHS-EV System in a Deregulated System," IEEE Access, vol. 12, pp. 95684-95702, 2024. **(SCIE)** (I.F. 3.9) (Q1)
29. **Chowdary Vankina Ravindranadh,** Sadhan Gope, **Subhojit Dawn**, Ahmed Al Mansur, and Taha Selim Ustun, "An Effective Strategy for Achieving Economic Reliability by Optimal Coordination of Hybrid Thermal–Wind–EV System in a Deregulated System," World Electric Vehicle Journal, vol. 15, no. 7, pp. 289, 2024. **(ESCI)** (I.F. 2.6) (Q2)
30. Mallemoggala Pavani Siva, **Gummadi Srinivasarao**, Jananika Katta, Vanapalli Swetha and Bala Sheshasri Guttula, “Enhancing Fuel Efficiency and Emission Control in Diesel Locomotives through Auxiliary Power Units (APUs) in Neutral Conditions”, Journal of Climate Change, vol. 10, no. 2, pp. 69-74, 2024. **(ESCI)** (I.F. 0.7) (Q1) (UG)

International Conferences

SCOPUS: 30, IEEE Conference: 18

UG: 22 (SCOPUS), 01 (WoS), 02 (Others)

PG: 01 (SCOPUS)

31. **A. V. Reddy, B. Venkateswararao**, Ł. Knypiński and R. Devarapalli, "Sizing of the Switched Reluctance Motor for Electric Vehicles", 2023 Progress in Applied Electrical Engineering (PAEE), Koscielisko, Poland, 26-30 June 2023. DOI: 10.1109/PAEE59932.2023.10244727. **(IEEE) (SCOPUS)**
32. **K. D. Rao**, K. K. Reddy, P. Koushik, B. Avinash and D. L. Madhavi, "Performance Analysis of Lithium-Ion Battery Considering Round Trip Efficiency", 2023 IEEE 2nd International Conference on Industrial Electronics: Developments & Applications (ICIDeA), India. 29-30 September 2023. DOI: 10.1109/ICIDeA59866.2023.10295170. **(IEEE) (SCOPUS) (UG)**
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39. **GummadiSrinivasarao, A Rama Devi,** and P Sai Rama krishna "Multifunctional Convertible Bed Cum Wheelchair Design, Fabrication and Health monitoring using IoT", 5TH International Conference On Innovations In Communication Computing And Sciences (ICCS-2024), CHANDIGARH ENGINEERING COLLEGE – CGC Electronics and Communication Engineering Department, 21-22 March 2024.
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56. T Suneel, A S Vishnu Mahesh, B Akhil Kumar, K Blessy Babu and B Gayatri, "Over-Crowd Avoiding In Transportation With Face Detection Using Raspberrypi", IEEE International Conference on Automation and Computation (AUTOCOM), Mar. 14 - 16, 2024, GRAPHIC ERA HILL UNIVERSITY, Road Society Area, Clement Town, Dehradun, India. **(IEEE) (SCOPUS) (UG)**
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SCOPUS: 5, UG: 02 (SCOPUS), 01 (Others), PG: 02 (SCOPUS)

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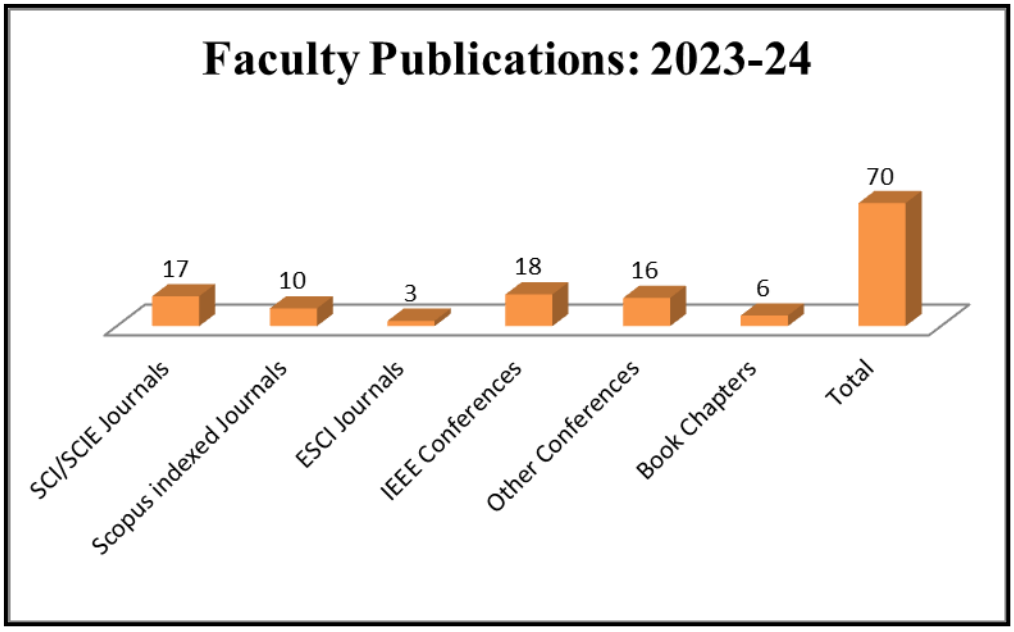


FACULTY INTERACTION WITH OUTSIDE THE COUNTRY

Best Associate Editor Award

Subhojit Dawn
Velagapudi Ramakrishna Siddhartha Engineering College,India

The editorial board of Journal of Electrical Engineering and Technology expresses its sincere gratitude and appreciation to Prof. Subhojit Dawn (Velagapudi Ramakrishna Siddhartha Engineering College, India) for valuable service as Associate Editor for the Journal of Electrical Engineering and Technology. We believe that your academic contribution will add to the further development of science.

Sincerely yours,

Editor-In-Chief
Journal of Electrical Engineering & Technology

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

RESULT ANALYSIS (BATCH: 2020-2024)

S. No	SEMESTER	PASS PERCENTAGE
1.	First Semester	68.91
2.	Second Semester	82.05
3.	Third Semester	70.59
4.	Fourth Semester	80.60
5.	Fifth Semester	89.39
6.	Sixth Semester	94.70
7.	Seventh Semester	87.12
8.	Eighth Semester	100

DEPARTMENT TOPPER (2020-2024)

CGPA: 9.58

(First Class with Distinction)

CHARKANAM HARI TEJA

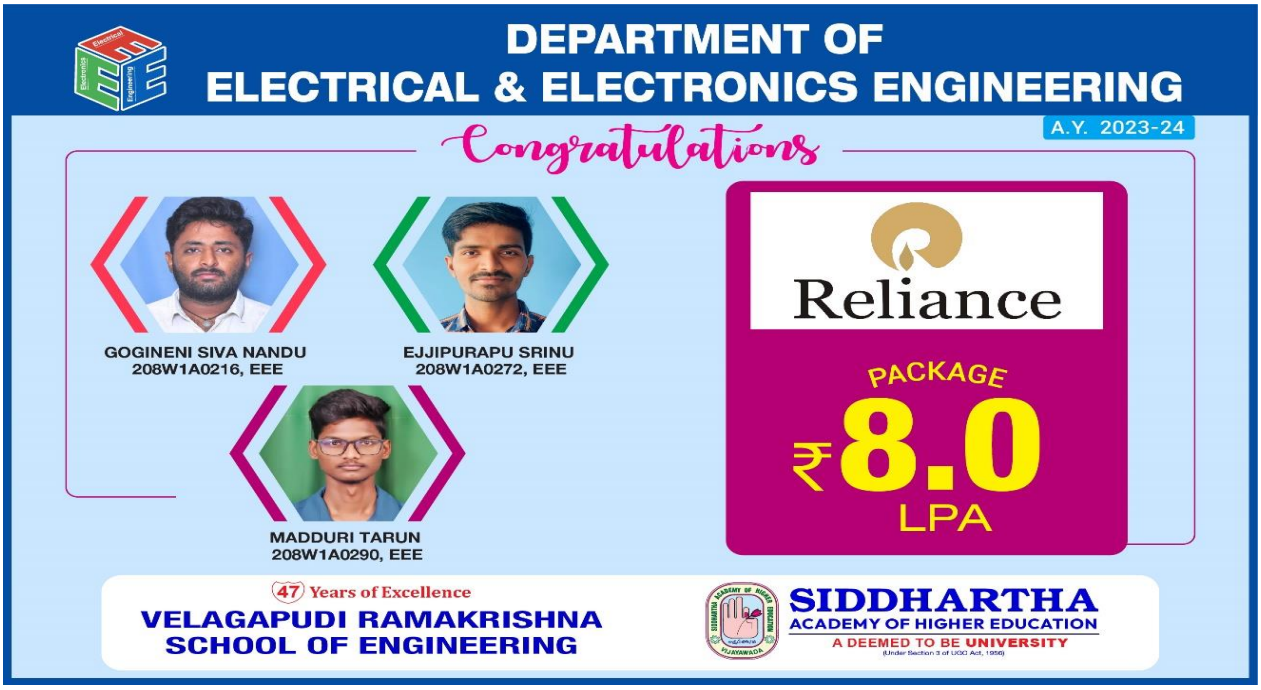
(208W1A0211)

TRAINING & PLACEMENT CELL

The **Training & Placement (T&P) Cell** is dedicated to enhancing students' career prospects by equipping them with industry-relevant skills and preparing them for successful placements. Our mission is to bridge the gap between academia and industry through comprehensive training programs**,** ensuring students secure opportunities in top-tier organizations.To achieve this, and we offer technical training, aptitude development, soft skills enhancement, and mock interview sessions**,** making students industry-ready. We collaborate with leading recruiters, multinational corporations, and core industries to facilitate both on-campus and off-campus placements. Additionally, we organize workshops, guest lectures, and industrial visits to provide students with hands-on exposure to real-world challenges.Beyond placements; we emphasize career counseling, mentorship, and internship opportunities**,** guiding students toward professional success and higher education aspirations. Our goal is to ensure that every student transitions into the corporate world with confidence, competence, and a competitive edge**.**

Name of the Company	Pay package (LPA)	No of Students
Reliance	8.00	3
TCS Digital	7.20	1
Adaps PEGA	5.50	1
Unschool	5.30	1
Accenture	4.60	17
Teachnook	4.50	10
Qualizeal	4.50	2
Jindal Saw Ltd.	4.00	1
Vishwa Samudra	4.00	5
Indosol	4.00	3
TCS Ninja PEGA	3.96	1
TCS Ninja	3.86	8
Thermal Systems	3.60	2
Sri Vidhyut	3.50	3

PeopleTech	3.50 to 4.00	3
TVS Sundram Fasteners Ltd.	Competitive package	8
Numax	Industry-standard pay	10
Sai Construction	Competitive salary	2
Conneqt	Salary as per norms	1
Voltech	Performance-based pay	10
Randstad	Salary as per role	1
Suntek Solar	Competitive salary	3
Total no of selected students		**99**



"Celebrating Success: HOD Blesses Student on Placement Achievement"

STUDENTS ONLINE COURSES THROUGH NPTEL

S.NO	ROLL NUMBER	NAME OF THE STUDENT	COURSE TITLE	YEAR	PERCENTAGE	GRADE	GENDER
1.	208W1A0204	A SURENDRA BABU	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	76	ELITE+ SILVER	MALE
2.	208W1A0205	B DILIP KUMAR	CLOUD COMPUTING	2023-24	70	ELITE	MALE
3.	208W1A0207	B JAYAVAISHNAVI	CLOUD COMPUTING	2023-24	71	ELITE	FEMALE
4.	208W1A0208	B GAYATHRI	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	60	ELITE	FEMALE
5.	208W1A0209	B GOPI	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	60	ELITE	MALE
6.	208W1A0209	B GOPI	CLOUD COMPUTING	2023-24	66	ELITE	MALE
7.	208W1A0213	D VENKATA NIHARIKA SWATHI	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	53	NIL	FEMALE
8.	208W1A0216	G SIVA NANDU	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	69	ELITE	MALE
9.	208W1A0224	K MOHAN CHAND	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	57	NIL	MALE
10.	208W1A0225	K.JANANIKA	CLOUD COMPUTING	2023-24	55	NIL	FEMALE
11.	208W1A0229	K MEGHANA PRIYA	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	68	ELITE	FEMALE
12.	208W1A0230	M PAVANI SIVA	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	56	NIL	FEMALE
13.	208W1A0230	M PAVANI SIVA	CLOUD COMPUTING	2023-24	80	ELITE+ SILVER	FEMALE
14.	208W1A0231	M HEMA	SUSTAINABLE POWER GENERATION SYSTEM	2023-24	56	NIL	FEMALE

15.	208W1A0234	N SADHVIK	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	55	NIL	MALE
16.	208W1A0235	N NIKHIL PRABHAS	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	58	NIL	MALE
17.	208W1A0235	N NIKHIL PRABHAS	CLOUD COMPUTING	2023-24	75	ELITE+ SILVER	MALE
18.	208W1A0237	P JHANSI	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	63	ELITE	FEMALE
19.	208W1A0237	P JHANSI	CLOUD COMPUTING	2023-24	77	ELITE+ SILVER	FENALE
20.	208W1A0241	P PURNANANDA	CLOUD COMPUTING	2023-24	55	NIL	MALE
21.	208W1A0243	R ANGEL	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	70	ELITE	FEMALE
22.	208W1A0244	S DEVA HARSHINI	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	69	ELITE	FEMALE
23.	208W1A0249	S THARUN	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	76	ELITE+ SILVER	MALE
24.	208W1A0251	T KRISHNASRI SRAVAN	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	58	NIL	MALE
25.	208W1A0254	V VANDANA	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	65	ELITE	FEMALE
26.	208W1A0255	V MANIKANTH	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	64	ELITE	MALE
27.	208W1A0256	V GOWRI SANDEEP	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	60	ELITE	MALE
28.	208W1A0256	V GOWRI SANDEEP	CLOUD COMPUTING	2023-24	64	ELITE	MALE
29.	208W1A0259	Y CHAITANYA GOUD	DATA STRUCTURE AND ALGORITHMS USING JAVA	2023-24	66	ELITE	MALE

30.	208W1A0261	A.PUJITHA	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	2023-24	87	ELITE+ SILVER	FEMALE
31.	208W1A0263	A JASWITHA SAI	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	54	NIL	FEMALE
32.	208W1A0264	B.SUMANTH	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	2023-24	65	ELITE	MALE
33.	208W1A0266	B JYOTHI	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	63	ELITE	FEMALE
34.	208W1A0267	CH RAJA SEKHAR	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	56	NIL	MALE
35.	208W1A0268	CH SUPRIYA	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	71	ELITE	FEMALE
36.	208W1A0269	D ARUN SAGAR	CLOUD COMPUTING	2023-24	69	ELITE	MALE
37.	208W1A0270	D NIHARIKA	CLOUD COMPUTING	2023-24	65	ELITE	FEMALE
38.	208W1A0271	D GURU CHARAN	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	51	NIL	MALE
39.	208W1A0271	D GURU CHARAN	CLOUD COMPUTING	2023-24	63	ELITE	MALE
40.	208W1A0275	G.HEMA HIRSHITHA	SENSORS AND ACTUATORS	2023-24	62	ELITE	FEMALE
41.	208W1A0278	J SRI JAYANTH	CLOUD COMPUTING	2023-24	65	ELITE	MALE
42.	208W1A0278	J SRI JAYANTH	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	58	NIL	MALE
43.	208W1A0282	K HEMA	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	53	NIL	FEMALE
44.	208W1A0283	K MARIA JOSEPH ARUN SHOWRY	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	52	NIL	MALE
45.	208W1A0284	K HEMANTH	CLOUD COMPUTING	2023-24	75	ELITE+ SILVER	MALE

46.	208W1A0284	K HEMANTH	SENSORS AND ACTUATORS	2023-24	65	ELITE	MALE
47.	208W1A0285	K POOJITHA	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	67	ELITE	FEMALE
48.	208W1A0286	K AKSHITH ROY	DESIGN OF PHOTOVOLTAIC SYSTEMS	2023-24	46	NIL	MALE
49.	208W1A0286	K AKSHITH ROY	CLOUD COMPUTING	2023-24	75	ELITE+ SILVER	MALE
50.	208W1A0287	K. RISHITHA	OPERATION AND PLANNING OF POWER	2023-24	60	ELITE	FEMALE
51.	208W1A0289	M V D S S SRIVARDHAN SARMA	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	65	ELITE	MALE
52.	208W1A0290	M TARUN	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	79	ELITE	MALE
53.	208W1A0291	M LOKESH	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	56	ELITE	MALE
54.	208W1A0292	M. SAI NARENDRA	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	2023-24	58	NIL	MALE
55.	208W1A0293	M ANKITHA	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	68	ELITE	FEMALE
56.	208W1A0294	MD SHARIF	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	67	ELITE	MALE
57.	208W1A0296	MD ARIF	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	61	ELITE	MALE
58.	208W1A0299	N. SAILAJA	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	2023-24	77	ELITE+ SILVER	FEMALE
59.	208W1A02A1	N SHAZIYA	CLOUD COMPUTING	2023-24	58	NIL	FEMALE
60.	208W1A02A2	O JAHNAVI	CLOUD COMPUTING	2023-24	63	ELITE	FEMALE
61.	208W1A02A3	P PRAVEEN VENKAT	SUSTAINABLE POWER GENERATION SYSTEM	2023-24	51	NIL	MALE

62.	208W1A02A3	P PRAVEEN VENKAT	CLOUD COMPUTING	2023-24	56	NIL	MALE
63.	208W1A02A5	P TEJASWI	DATA STRUCTURE AND ALGORITHMS USING JAVA	2023-24	65	ELITE	FEMALE
64.	208W1A02A5	P TEJASWI	SOFTWARE TESTING	2023-24	44	NIL	FEMALE
65.	208W1A02A7	P NAGA SINDU SRILATHA	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	63	ELITE	FEMALE
66.	208W1A02A9	P SURYA YASHASVI	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	48	NIL	MALE
67.	208W1A02A9	P SURYA YASHASVI	CLOUD COMPUTING	2023-24	61	ELITE	MALE
68.	208W1A02B1	P RUCHITHA	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	60	ELITE	FEMALE
69.	208W1A02B6	T VENKATA NAGA HANUMANTH	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	2023-24	53	NIL	MALE
70.	208W1A02B7	T JAYANTH	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	66	ELITE	MALE
71.	208W1A02B9	Y RAHUL	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	64	ELITE	MALE
72.	208W1A02B9	Y RAHUL	CLOUD COMPUTING	2023-24	62	ELITE	MALE
73.	218W5A0203	CH VINAY KUMAR	SUSTAINABLE POWER GENERATION SYSTEMS		64	ELITE	MALE
74.	218W5A0204	D TATABABU	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	62	ELITE	MALE
75.	218W5A0209	T. NAGA MANI	SENSORS AND ACTUATORS	2023-24	57	NIL	FEMALE
76.	218W5A0210	LEELAMADHAVI	SENSORS AND ACTUATORS	2023-24	57	NIL	FEMALE
77.	218W5A0210	DLEELAMADHAVI	CLOUD COMPUTING	2023-24	66	ELITE	FEMALE
78.	218W5A0215	P AJAY	CLOUD COMPUTING	2023-24	57	NIL	MALE

79.	218W5A0217	V SWAPNA	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	56	NIL	FEMALE
80.	218W5A0219	G SARATH KUMAR	SUSTAINABLE POWER GENERATION SYSTEMS	2023-24	60	ELITE	MALE
81.	218W5A0219	G SARATH KUMAR	CLOUD COMPUTING	2023-24	58	NIL	MALE
82.	218W5A0220	G KEDARNATH	CLOUD COMPUTING	2023-24	51	NIL	MALE
83.	218W1A0201	ANUPOJU KOWSHIK	INTRODUCTION TO INTERNET OF THINGS	2023-24	76	ELITE+ SILVER	MALE
84.	218W1A0201	ANUPOJU KOWSHIK	CLOUD COMPUTING	2023-24	55	NIL	MALE
85.	218W1A0203	BANAVATHU KARTHIK NAIK	INTRODUCTION TO INTERNET OF THINGS	2023-24	75	ELITE+ SILVER	MALE
86.	218W1A0203	BANAVATHU KARTHIK NAIK	CLOUD COMPUTING	2023-24	73	ELITE	MALE
87.	218W1A0204	SAI GNANESH BATTIPROLU	CLOUD COMPUTING	2023-24	54	NIL	MALE
88.	218W1A0204	SAI GNANESH BATTIPROLU	INTRODUCTION TO INTERNET OF THINGS	2023-24	66	ELITE	MALE
89.	218W1A0205	BOGGAVARAPU SAI MANOHAR	INTRODUCTION TO INTERNET OF THINGS	2023-24	68	ELITE	MALE
90.	218W1A0205	BOGGAVARAPU SAI MANOHAR	THE JOY OF COMPUTING USING PYTHON	2023-24	52	NIL	MALE
91.	218W1A0206	BORA RAKESH	CLOUD COMPUTING	2023-24	79	ELITE+ SILVER	MALE
92.	218W1A0208	RAVI SUNDAR	INTRODUCTION TO INTERNET OF THINGS	2023-24	70	ELITE	MALE
93.	218W1A0209	DUDDUKURI DHARANI	INTRODUCTION TO INTERNET OF THINGS	2023-24	72	ELITE	FEMALE
94.	218W1A0209	DUDDUKURI DHARANI	CLOUD COMPUTING	2023-24	63	ELITE	FEMALE
95.	218W1A0210	GANGULA DHAKSAYANI	CLOUD COMPUTING	2023-24	68	ELITE	FEMALE
96.	218W1A0210	GANGULA DHAKSAYANI	OPERATION AND PLANNING OF POWER	2023-24	44	NIL	FEMALE

97.	218W1A0211	GHANTA SWATHI	THE JOY OF COMPUTING USING PYTHON	2023-24	65	ELITE	FEMALE
98.	218W1A0211	GHANTA SWATHI	INTRODUCTION TO INTERNET OF THINGS	2023-24	75	ELITE+ SILVER	FEMALE
99.	218W1A0212	VIGNESH	INTRODUCTION TO INTERNET OF THINGS	2023-24	73	ELITE	MALE
100.	218W1A0213	GUNJI RAM SAI	INTRODUCTION TO INTERNET OF THINGS	2023-24	81	ELITE+ SILVER	MALE
101.	218W1A0213	GUNJI RAM SAI	CLOUD COMPUTING	2023-24	62	ELITE	MALE
102.	218W1A0214	KANCHARLA RAVI RAJA	INTRODUCTION TO INTERNET OF THINGS	2023-24	84	ELITE+ SILVER	MALE
103.	218W1A0215	K. SUSWAROOPA	INTRODUCTION TO INTERNET OF THINGS	2023-24	58	NIL	FEMALE
104.	218W1A0217	KATAM SRAVYA	INTRODUCTION TO INTERNET OF THINGS	2023-24	83	ELITE+ SILVER	FEMALE
105.	218W1A0217	KATAM SRAVYA	CLOUD COMPUTING	2023-24	64	ELITE	FEMALE
106.	218W1A0219	KUPPILI SRIVIDYA	INTRODUCTION TO INTERNET OF THINGS	2023-24	68	ELITE	FEMALE
107.	218W1A0221	M.R.S.R.S. RAMYA	THE JOY OF COMPUTING USING PYTHON	2023-24	64	ELITE	FEMALE
108.	218W1A0223	MARASU KARTHIK	INTRODUCTION TO INTERNET OF THINGS	2023-24	63	ELITE	MALE
109.	218W1A0225	MEDISETTI TEJA SAI GANESH	INTRODUCTION TO INTERNET OF THINGS	2023-24	81	ELITE+ SILVER	MALE
110.	218W1A0226	MIRIYALA SUNDRA SAMUEL	CLOUD COMPUTING	2023-24	73	ELITE	MALE
111.	218W1A0226	MIRIYALA SUNDRA SAMUEL	INTRODUCTION TO INTERNET OF THINGS	2023-24	80	ELITE+ SILVER	MALE
112.	218W1A0227	MOHAMMAD AYISHA FIRDOS	INTRODUCTION TO INTERNET OF THINGS	2023-24	65	ELITE	FEMALE
113.	218W1A0227	MOHAMMAD AYISHA FIRDOS	CLOUD COMPUTING	2023-24	55	NIL	FEMALE
114.	218W1A0228	M. DEVAKI	INTRODUCTION TO INTERNET OF THINGS	2023-24	60	ELITE	FEMALE

115.	218W1A0229	NAKKA AJAY KUMAR	INTRODUCTION TO INTERNET OF THINGS	2023-24	71	ELITE	MALE
116.	218W1A0230	VATHSALYA KUMAR	INTRODUCTION TO INTERNET OF THINGS	2023-24	82	ELITE+ SILVER	MALE
117.	218W1A0231	NEYYALA SAIKIRAN	CLOUD COMPUTING	2023-24	76	ELITE+ SILVER	MALE
118.	218W1A0232	PANITHI ABHISHEK	CLOUD COMPUTING	2023-24	66	ELITE	MALE
119.	218W1A0233	PARASA SNIGDHA	INTRODUCTION TO INTERNET OF THINGS	2023-24	66	ELITE	FEMALE
120.	218W1A0234	POTHUREDDI RUCHITH BABU	INTRODUCTION TO INTERNET OF THINGS	2023-24	64	ELITE	MALE
121.	218W1A0235	PURAM SOWMYA SRI RATNA KUMARI	CLOUD COMPUTING	2023-24	53	NIL	FEMALE
122.	218W1A0235	PURAM SOWMYA SRI RATNA KUMARI	OPERATION AND PLANNING OF POWER	2023-24	42	NIL	FEMALE
123.	218W1A0236	RAMANADHAM KAMAKSHI	INTRODUCTION TO INTERNET OF THINGS	2023-24	69	ELITE	FEMALE
124.	218W1A0236	RAMANADHAM KAMAKSHI	CLOUD COMPUTING	2023-24	55	NILL	FEMALE
125.	218W1A0237	RAMAVATH BALAJI	INTRODUCTION TO INTERNET OF THINGS	2023-24	58	NILL	MALE
126.	218W1A0238	REDROUTHU MOHAN SAI	INTRODUCTION TO INTERNET OF THINGS	2023-24	70	ELITE	MALE
127.	218W1A0239	SHAIK IMRAN	INTRODUCTION TO INTERNET OF THINGS	2023-24	76	ELITE+ SILVER	MALE
128.	218W1A0240	SHAIK SHARUK BABU	INTRODUCTION TO INTERNET OF THINGS	2023-24	68	ELITE	MALE
129.	218W1A0241	SONTI PRIYA MALLIKA	INTRODUCTION TO INTERNET OF THINGS	2023-24	66	ELITE	FEMALE
130.	218W1A0243	THAMIREDDY JAGADEESH KUMAR	INTRODUCTION TO INTERNET OF THINGS	2023-24	63	ELITE	MALE
131.	218W1A0245	THOTA ROHITH SRI NAGA HARSHA	INTRODUCTION TO INTERNET OF THINGS	2023-24	85	ELITE +	MALE

132.	218W1A0245	THOTA ROHITH SRI NAGA HARSHA	CLOUD COMPUTING	2023-24	77	ELITE + SILVER	MALE
133.	218W1A0246	AKESH TIRUMANAPALLI	INTRODUCTION TO INTERNET OF THINGS	2023-24	73	ELITE	MALE
134.	218W1A0246	AKESH TIRUMANAPALLI	CLOUD COMPUTING	2023-24	54	ELITE	MALE
135.	218W1A0247	VALLEM BHARATHI	INTRODUCTION TO INTERNET OF THINGS	2023-24	71	ELITE	FEMALE
136.	218W1A0247	VALLEM BHARATHI	CLOUD COMPUTING	2023-24	62	ELITE	FEMALE
137.	218W1A0247	V. ANKESHWARA RAO	INTRODUCTION TO INTERNET OF THINGS	2023-24	83	ELITE	FEMALE
138.	218W1A0247	V. ANKESHWARA RAO	CLOUD COMPUTING	2023-24	65	ELITE	FEMALE
139.	218W1A0249	VASAMSETTI GEETHIKA SRAVANTHI	INTRODUCTION TO INTERNET OF THINGS	2023-24	75	ELITE+ SILVER	FEMALE
140.	218W1A0249	VASAMSETTI GEETHIK SRAVANTHI	CLOUD COMPUTING	2023-24	62	ELITE	FEMALE
141.	218W1A0250	V JHANSI	INTRODUCTION TO INTERNET OF THINGS	2023-24	56	NILL	FEMALE
142.	218W1A0251	Y. MOULIKA	INTRODUCTION TO INTERNET OF THINGS	2023-24	75	ELITE+ SILVER	FEMALE
143.	228W5A0201	ABBANAMONI VIJAY KUMAR	INTRODUCTION TO INTERNET OF THINGS	2023-24	80	ELITE+ SILVER	MALE
144.	228W5A0202	BOBBILI RUPANJANI VENKATA KISHORE	CLOUD COMPUTING	2023-24	75	ELITE+ SILVER	MALE
145.	228W5A0203	BOLISETTY VENKATA SAI RAMA BHUVANESH	CLOUD COMPUTING	2023-24	64	ELITE	MALE
146.	228W5A0203	BOLISETTY RAMA BHUVANESH	INTRODUCTION TO INTERNET OF THINGS	2023-24	82	ELITE+ SILVER	MALE
147.	228W5A0204	BOTCHA PRUDHVI NARAYANA	INTRODUCTION TO INTERNET OF THINGS	2023-24	85	ELITE+ SILVER	MALE

148.	228W5A0204	BOTCHA PRUDHVI NARAYANA	THE JOY OF COMPUTING USING PYTHON	2023-24	55	NIL	MALE
149.	228W5A0205	CHAGANTI CHANDRIKA	INTRODUCTION TO INTERNET OF THINGS	2023-24	71	ELITE	FEMALE
150.	228W5A0205	CHAGANTI CHANDRIKA	CLOUD COMPUTING	2023-24	62	ELITE	FEMALE
151.	228W5A0206	DARA NAGA VENKATESH	INTRODUCTION TO INTERNET OF THINGS	2023-24	73	ELITE	MALE
152.	228W5A0206	DARA NAGA VENKATESH	THE JOY OF COMPUTING USING PYTHON	2023-24	52	NIL	MALE
153.	228W5A0207	GOGULAMUDI SUSHMA	THE JOY OF COMPUTING USING PYTHON	2023-24	57	NIL	FEMALE
154.	228W5A0209	JAMPANA DHANUSH	INTRODUCTION TO INTERNET OF THINGS	2023-24	62	ELITE	MALE
155.	228W5A0210	KASIMALLA KRISHNA VAMSI	INTRODUCTION TO INTERNET OF THINGS	2023-24	80	ELITE+ SILVER	MALE
156.	228W5A0210	KASIMALLA KRISHNA VAMSI	THE JOY OF COMPUTING USING PYTHON	2023-24	50	NIL	MALE
157.	228W5A0211	KAULURI SIVA KUMAR	INTRODUCTION TO INTERNET OF THINGS	2023-24	81	ELITE+ SILVER	MALE
158.	228W5A0212	KORAGANJI HRISHITHA NEELIMA	THE JOY OF COMPUTING USING PYTHON	2023-24	57	NIL	FEMALE
159.	228W5A0212	KORAGANJI HRISHITHA NEELIMA	OPERATION AND PLANNING OF POWER DISTRIBUTION SYSTEM	2023-24	43	NIL	FEMALE
160.	228W5A0213	KUNA DHANUNJAY RAO	INTRODUCTION TO INTERNET OF THINGS	2023-24	84	ELITE+ SILVER	MALE
161.	228W5A0213	KUNA DHANUNJAY RAO	CLOUD COMPUTING	2023-24	78	ELITE+ SILVER	MALE
162.	228W5A0214	NADAKUDITI VENKATESH VARMA	INTRODUCTION TO INTERNET OF THINGS	2023-24	90	ELITE+ GOLD	MALE
163.	228W5A0215	PAMULA VISHAL KUMAR	INTRODUCTION TO INTERNET OF THINGS	2023-24	81	ELITE+ SILVER	MALE

164.	228W5A0215	PAMULA VISHAL KUMAR	THE JOY OF COMPUTING USING PYTHON	2023-24	65	ELITE	MALE
165.	228W5A0217	S.HEMANTH KUMAR	INTRODUCTION TO INTERNET OF THINGS	2023-24	43	NIL	MALE
166.	228W5A0218	SHAIK RAHEEM	INTRODUCTION TO INTERNET OF THINGS	2023-24	73	ELITE	MALE
167.	228W5A0218	SHAIK RAHEEM	THE JOY OF COMPUTING USING PYTHON	2023-24	43	NIL	MALE
168.	228W5A0219	UYYALA JOHN BABU	INTRODUCTION TO INTERNET OF THINGS	2023-24	79	ELITE+ SILVER	MALE
169.	228W5A0219	UYYALA JOHN BABU	THE JOY OF COMPUTING USING PYTHON	2023-24	63	ELITE	MALE
170.	228W5A0220	VELUGURI PRAVEEN KUMAR	INTRODUCTION TO INTERNET OF THINGS	2023-24	81	ELITE+ SILVER	MALE
171.	228W5A0220	VELUGURI PRAVEEN KUMAR	CLOUD COMPUTING	2023-24	69	ELITE	MALE
172.	218W1A0252	A.NAVEEN	CLOUD COMPUTING	2023-24	54	NIL	MALE
173.	218W1A0252	A.NAVEEN	INTRODUCTION TO INTERNET OF THINGS	2023-24	71	ELITE	MALE
174.	218W1A0253	ABDUL AHAD	CLOUD COMPUTING	2023-24	70	ELITE	MALE
175.	218W1A0253	ABDUL AHAD	INTRODUCTION TO INTERNET OF THINGS	2023-24	78	ELITE+ SILVER	MALE
176.	218W1A0254	ADIREDDY KIRAN SAI	INTRODUCTION TO INTERNET OF THINGS	2023-24	61	ELITE	MALE
177.	218W1A0255	ANGIREKULA SARASWATHI	CLOUD COMPUTING	2023-24	75	ELITE+ SILVER	FEMALE
178.	218W1A0255	ANGIREKULA SARASWATHI	INTRODUCTION TO INTERNET OF THINGS	2023-24	79	ELITE+ SILVER	FEMALE
179.	218W1A0257	B.MANOHAR	CLOUD COMPUTING	2023-24	65	ELITE	MALE
180.	218W1A0257	B.MANOHAR	INTRODUCTION TO INTERNET OF THINGS	2023-24	63	ELITE	MALE
181.	218W1A0259	BIRUDUKOTA HEMANTH SRI SATYA SAI	CLOUD COMPUTING	2023-24	62	ELITE	MALE

182.	218W1A0259	BIRUDUKOTA HEMANTH SRI SATYA SAI	INTRODUCTION TO INTERNET OF THINGS	2023-24	68	ELITE	MALE
183.	218W1A0260	BOLLA REMASRI	INTRODUCTION TO INTERNET OF THINGS	2023-24	80	ELITE+ SILVER	FEMALE
184.	218W1A0261	CHINTAPENTA LAKSHMI KRISHNA VENI MANASWI	CLOUD COMPUTING	2023-24	61	ELITE	FEMALE
185.	218W1A0261	CHINTAPENTA LAKSHMI KRISHNA VENI MANASWI	INTRODUCTION TO INTERNET OF THINGS	2023-24	72	ELITE	FEMALE
186.	218W1A0262	CHITTULURI DURGA PRAKASH	CLOUD COMPUTING	2023-24	65	ELITE	MALE
187.	218W1A0262	CHITTULURI DURGA PRAKASH	INTRODUCTION TO INTERNET OF THINGS	2023-24	72	ELITE	MALE
188.	218W1A0263	DESAVATHU REVANTH KUMAR	CLOUD COMPUTING	2023-24	60	ELITE	MALE
189.	218W1A0263	DESAVATHU REVANTH KUMAR	INTRODUCTION TO INTERNET OF THINGS	2023-24	78	ELITE+ SILVER	MALE
190.	218W1A0264	DOKARA YASWANTH	INTRODUCTION TO INTERNET OF THINGS	2023-24	65	ELITE	MALE
191.	218W1A0265	ELE NISHANTH	THE JOY OF COMPUTING USING PYTHON	2023-24	62	ELITE	MALE
192.	218W1A0265	ELE NISHANTH	INTRODUCTION TO INTERNET OF THINGS	2023-24	85	ELITE+ SILVER	MALE
193.	218W1A0267	GALI KAMALAKAR	CLOUD COMPUTING	2023-24	60	ELITE	MALE
194.	218W1A0267	GALI KAMALAKAR	INTRODUCTION TO INTERNET OF THINGS	2023-24	75	ELITE+ SILVER	MALE
195.	218W1A0269	GODUGUNURI GURU KAVYA	INTRODUCTION TO INTERNET OF THINGS	2023-24	83	ELITE+ SILVER	FEMALE
196.	218W1A0270	GORANTLA BRAHMESWARI	CLOUD COMPUTING	2023-24	66	ELITE	FEMALE
197.	218W1A0270	GORANTLA BRAHMESWARI	INTRODUCTION TO INTERNET OF THINGS	2023-24	73	ELITE	FEMALE
198.	218W1A0271	INTI PRASHITHA	CLOUD COMPUTING	2023-24	56	NIL	FEMALE

199.	218W1A0272	JAMPANA RAMYASRI	CLOUD COMPUTING	2023-24	64	ELITE	FEMALE
200.	218W1A0272	JAMPANA RAMYASRI	INTRODUCTION TO INTERNET OF THINGS	2023-24	75	ELITE+ SILVER	FEMALE
201.	218W1A0273	KALAKONDA SNEHA	CLOUD COMPUTING	2023-24	78	ELITE+ SILVER	FEMALE
202.	218W1A0273	KALAKONDA SNEHA	INTRODUCTION TO INTERNET OF THINGS	2023-24	85	ELITE+ SILVER	FEMALE
203.	218W1A0274	KANCHANAPALLI AMRUTHA SAI	CLOUD COMPUTING	2023-24	68	ELITE	FEMALE
204.	218W1A0274	KANCHANAPALLI AMRUTHA SAI	INTRODUCTION TO INTERNET OF THINGS	2023-24	81	ELITE+ SILVER	FEMALE
205.	218W1A0276	KONDAVEETI SREE DEVI	CLOUD COMPUTING	2023-24	65	ELITE	FEMALE
206.	218W1A0276	KONDAVEETI SREE DEVI	INTRODUCTION TO INTERNET OF THINGS	2023-24	82	ELITE+ SILVER	FEMALE
207.	218W1A0277	MADDIBOYINA HARI GANESH	CLOUD COMPUTING	2023-24	73	ELITE	MALE
208.	218W1A0277	MADDIBOYINA HARI GANESH	INTRODUCTION TO INTERNET OF THINGS	2023-24	76	ELITE+ SILVER	MALE
209.	218W1A0278	MADIPADIGE YASWITHA	CLOUD COMPUTING	2023-24	56	NIL	FEMALE
210.	218W1A0278	MADIPADIGE YASWITHA	INTRODUCTION TO INTERNET OF THINGS	2023-24	75	ELITE+ SILVER	FEMALE
211.	218W1A0279	MEESALA PAVAN KUMAR	INTRODUCTION TO INTERNET OF THINGS	2023-24	62	ELITE	MALE
212.	218W1A0280	NAGASARAPU NAGA LAKSHMI PUJITHA	THE JOY OF COMPUTING USING PYTHON	2023-24	75	ELITE+ SILVER	FEMALE
213.	218W1A0280	NAGASARAPU NAGA LAKSHMI PUJITHA	INTRODUCTION TO INTERNET OF THINGS	2023-24	82	ELITE+ SILVER	FEMALE
214.	218W1A0281	NAKKA SRINIVAS	INTRODUCTION TO INTERNET OF THINGS	2023-24	75	ELITE+ SILVER	MALE
215.	218W1A0283	PALLAPOTHU KANAKA DURGA	CLOUD COMPUTING	2023-24	76	ELITE+ SILVER	FEMALE
216.	218W1A0283	PALLAPOTHU KANAKA DURGA	INTRODUCTION TO INTERNET OF THINGS	2023-24	90	ELITE+ GOLD	FEMALE

217.	218W1A0284	PALLE VENKATA HEMANTH REDDY	CLOUD COMPUTING	2023-24	54	NIL	MALE
218.	218W1A0284	PALLE VENKATA HEMANTH REDDY	INTRODUCTION TO INTERNET OF THINGS	2023-24	68	ELITE	MALE
219.	218W1A0285	P. MOTI BEGUM	CLOUD COMPUTING	2023-24	66	ELITE	MALE
220.	218W1A0285	P. MOTI BEGUM	INTRODUCTION TO INTERNET OF THINGS	2023-24	83	ELITE+ SILVER	MALE
221.	218W1A0286	PENUMUDI RISHIK MANIKANTA	CLOUD COMPUTING	2023-24	69	ELITE	MALE
222.	218W1A0286	PENUMUDI RISHIK MANIKANTA	INTRODUCTION TO INTERNET OF THINGS	2023-24	81	ELITE+ SILVER	MALE
223.	218W1A0287	P. JOEL AUGUSTINE	CLOUD COMPUTING	2023-24	75	ELITE+ SILVER	MALE
224.	218W1A0287	P. JOEL AUGUSTINE	INTRODUCTION TO INTERNET OF THINGS	2023-24	76	ELITE+ SILVER	MALE
225.	218W1A0288	P. VAMSI KRISHNA	INTRODUCTION TO INTERNET OF THINGS	2023-24	60	ELITE	MALE
226.	218W1A0289	PODIYAM SRAVANI	CLOUD COMPUTING	2023-24	60	ELITE	FEMALE
227.	218W1A0289	PODIYAM SRAVANI	INTRODUCTION TO INTERNET OF THINGS	2023-24	68	ELITE	FEMALE
228.	218W1A0293	SHAIK MOHAMMAD KHIZAR	CLOUD COMPUTING	2023-24	53	NIL	MALE
229.	218W1A0294	SH. THAHESIN BHANU	CLOUD COMPUTING	2023-24	82	ELITE+ SILVER	FEMALE
230.	218W1A0294	SH. THAHESIN BHANU	INTRODUCTION TO INTERNET OF THINGS	2023-24	75	ELITE+ SILVER	FEMALE
231.	218W1A0295	SIRIPURAPU RAJITHA	CLOUD COMPUTING	2023-24	55	NIL	FEMALE
232.	218W1A0295	SIRIPURAPU RAJITHA	INTRODUCTION TO INTERNET OF THINGS	2023-24	78	ELITE+ SILVER	FEMALE
233.	218W1A0296	T. KIRAN	CLOUD COMPUTING	2023-24	55	NIL	MALE

234.	218W1A0296	T. KIRAN	INTRODUCTION TO INTERNET OF THINGS	2023-24	77	ELITE+ SILVER	MALE
235.	218W1A0298	V. PRADYUMNA	CLOUD COMPUTING	2023-24	67	ELITE	MALE
236.	218W1A0298	V. PRADYUMNA	INTRODUCTION TO INTERNET OF THINGS	2023-24	77	ELITE+ SILVER	MALE
237.	218W1A0299	VOODI VENNELA	CLOUD COMPUTING	2023-24	58	NIL	FEMALE
238.	218W1A0299	VOODI VENNELA	INTRODUCTION TO INTERNET OF THINGS	2023-24	76	ELITE+ SILVER	FEMALE
239.	218W1A02A1	YALAKALA SAI LAKSHMI	CLOUD COMPUTING	2023-24	58	NIL	FEMALE
240.	218W1A02A1	YALAKALA SAI LAKSHMI	INTRODUCTION TO INTERNET OF THINGS	2023-24	67	ELITE	FEMALE
241.	228W5A0223	B. KIRANMAYI	CLOUD COMPUTING	2023-24	55	NIL	FEMALE
242.	228W5A0223	B. KIRANMAYI	INTRODUCTION TO INTERNET OF THINGS	2023-24	68	ELITE	FEMALE
243.	228W5A0224	BARATAM RAMAKOTESWARA RAO	CLOUD COMPUTING	2023-24	54	NIL	MALE
244.	228W5A0224	BARATAM RAMAKOTESWARA RAO	INTRODUCTION TO INTERNET OF THINGS	2023-24	61	ELITE	MALE
245.	228W5A0226	CHANDALURI SUNIL	CLOUD COMPUTING	2023-24	54	NIL	MALE
246.	228W5A0226	CHANDALURI SUNIL	INTRODUCTION TO INTERNET OF THINGS	2023-24	70	ELITE	MALE
247.	228W5A0227	CH. HEMANTH	INTRODUCTION TO INTERNET OF THINGS	2023-24	76	ELITE+ SILVER	MALE
248.	228W5A0229	G.O.HELEN	CLOUD COMPUTING	2023-24	53	NIL	FEMALE
249.	228W5A0231	K. JAGADEESH	THE JOY OF COMPUTING USING PYTHON	2023-24	70	ELITE	MALE
250.	228W5A0231	K. JAGADEESH	INTRODUCTION TO INTERNET OF THINGS	2023-24	79	ELITE+ SILVER	MALE
251.	228W5A0232	KATHULA LAKSHMI SAI MOHITHA	CLOUD COMPUTING	2023-24	76	ELITE+ SILVER	FEMALE

252.	228W5A0232	KATHULA LAKSHMI SAI MOHITHA	INTRODUCTION TO INTERNET OF THINGS	2023-24	81	ELITE+ SILVER	FEMALE
253.	228W5A0234	LANKA RAM SAI	CLOUD COMPUTING	2023-24	60	ELITE	MALE
254.	228W5A0234	LANKA RAM SAI	INTRODUCTION TO INTERNET OF THINGS	2023-24	71	ELITE	MALE
255.	228W5A0235	MENTI GIRIDHAR BABU	CLOUD COMPUTING	2023-24	55	NIL	MALE
256.	228W5A0235	MENTI GIRIDHAR BABU	INTRODUCTION TO INTERNET OF THINGS	2023-24	75	ELITE+ SILVER	MALE
257.	228W5A0236	MOHAMMAD RIYAZ	CLOUD COMPUTING	2023-24	54	NIL	MALE
258.	228W5A0236	MOHAMMAD RIYAZ	INTRODUCTION TO INTERNET OF THINGS	2023-24	66	ELITE	MALE
259.	228W5A0237	NALLABOTHULA UPENDRA	CLOUD COMPUTING	2023-24	60	ELITE	MALE
260.	228W5A0237	NALLABOTHULA UPENDRA	INTRODUCTION TO INTERNET OF THINGS	2023-24	93	ELITE+ GOLD	MALE
261.	228W5A0238	N. VASUDHA	CLOUD COMPUTING	2023-24	61	ELITE	FEMALE
262.	228W5A0238	N. VASUDHA	INTRODUCTION TO INTERNET OF THINGS	2023-24	75	ELITE+ SILVER	FEMALE
263.	228W5A0241	SALA KALYAN	SUSTAINABLE POWER GENERATION SYSTEM	2023-24	58	NIL	MALE
264.	228W5A0242	SHAIK ABDUL REHAMAN	CLOUD COMPUTING	2023-24	54	NIL	MALE
265.	228W5A0242	SHAIK ABDUL REHAMAN	INTRODUCTION TO INTERNET OF THINGS	2023-24	85	ELITE+ SILVER	MALE

NPTEL CERTIFICATIONS BY EEE FACULTY DURING 2023-24

S.NO	NAME	TITLE OF THE COURSE	ACADEMIC YEAR		MARKS SECURED	NO OF WEEKS
1.	Dr. A. RAMA DEVI	CLOUD COMPUTING	2023-24	NPTEL	69 %	12
2.	Dr. G. SRINIVASA RAO	CLOUD COMPUTING	2023-24	NPTEL	80%	12
3.	Dr. G. SRINIVASA RAO	SOFTWARE TESTING	2023-24	NPTEL	58%	4
4.	Dr. B. V. RAO	CLOUD COMPUTING	2023-24	NPTEL	83%	12
5.	Dr. B. V. RAO	THE JOY OF COMPUTING USING PYTHON	2023-24	NPTEL	72%	12
6.	Dr. B. V. RAO	PYTHON FOR DATA SCIENCE	2023-24	NPTEL	80%	4
7.	S.V.R.L.KUMARI	THE JOY OF COMPUTING USING PYTHON	2023-24	NPTEL	58%	12
8.	Dr. N. VAMSI KRISHNA	THE JOY OF COMPUTING USING PYTHON	2023-24	NPTEL	83%	12
9.	Dr. N. VAMSI KRISHNA	INTRODUCTION TO INTERNET OF THINGS	2023-24	NPTEL	93%	12
10.	R. MADHUSUDHANA RAO	THE JOY OF COMPUTING USING PYTHON	2023-24	NPTEL	79%	12
11.	R. MADHUSUDHANA RAO	CLOUD COMPUTING	2023-24	NPTEL	76%	12
12.	R. MADHUSUDHANA RAO	MACHINE LARNING	2023-24	NPTEL	56%	8
13.	Dr. A. VEERA REDDY	DATA BASE MANAGEMENT SYSTEM	2023-24	NPTEL	62%	8
14.	Dr. A. VEERA REDDY	CLOUD COMPUTING	2023-24	NPTEL	84%	12
15.	Dr. A. VEERA REDDY	THE JOY OF COMPUTING USING PYTHON	2023-24	NPTEL	64%	12
16.	Dr. K. DHANAJAY RAO	CLOUD COMPUTING	2023-24	NPTEL	70%	12
17.	Dr. K. DHANAJAY RAO	THE JOY OF COMPUTING USING PYTHON	2023-24	NPTEL	62%	12
18.	V. RAVINDRANATH CHOWDARY	CLOUD COMPUTING	2023-24	NPTEL	86%	12
19.	V. RAVINDRANATH CHOWDARY	INTRODUCTION TO INTERNET OF THINGS	2023-24	NPTEL	94%	12
20.	V. RAVINDRANATH CHOWDARY	THE JOY OF COMPUTING USING PYTHON	2023-24	NPTEL	75%	12
21.	Dr. VIMALA KUMARI J	REINFORCEMENT LEARNING	2023-24	NPTEL	55%	12
22.	Dr. INDIRA DAMARLA	MACHINE LEARNING FOR ENGINEERING AND SCIENCE APPLICATIONS	2023-24	NPTEL	67%	12
23.	Dr. INDIRA DAMARLA	THE JOY OF COMPUTING USING PYTHON	2023-24	NPTEL	62%	12
24.	Dr. T. NAVEEN KUMAR	THE JOY OF COMPUTING USING PYTHON	2023-24	NPTEL	61%	12
25.	Dr. T. NAVEEN KUMAR	CLOUD COMPUTING	2023-24	NPTEL	61%	12
26.	BINDU VADLAMUDI	INTRODUCTION TO MACHINE LEARNING	2023-24	NPTEL	71%	8
27.	BINDU VADLAMUDI	THE JOY OF COMPUTING USING PYTHON	2023-24	NPTEL	63%	12
28.	BINDU VADLAMUDI	MACHINE LEARNING FOR ENGINEERING AND SCIENCE APPLICATIONS	2023-24	NPTEL	68%	12
29.	K. LALITHA	THE JOY OF COMPUTING USING PYTHON	2023-24	NPTEL	55%	12
30.	A. SIREESHA	SYSTEM DESIGN THROUGH VERILOG	2023-24	NPTEL	80%	8

31.	B. SWARUPA RANI	THE JOY OF COMPUTING USING PYTHON	2023-24	NPTEL	55%	12
32	B. SWARUPA RANI	THE SCINECE OF SOLAR SYSTEM	2023-24	COURS ERA		12

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.	238W5A0225 238W5A0228	MD.RAYYAN P.SANDEEP	28.02.24 29.02.24	VRSEC	AFOSEC	PROJECT EXPO	II EEE	THIRD PRIZE (Rs.2000)	TECH
2.	208W1A02B6	T.V.Naga Hanumanth	-	NSS UNIT, VRSEC	NSS		IV EEE	Best Volunteer	

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.	208W1A0211	Ch.Hari Teja	26-04-24 27-04- 24	BITS, BALLARI	ICDCECE 24	IEEE CONFERENCE	IV EEE-A	BEST PAPER	TECH
2.	218W1A0206 218W1A0231 218W1A0252	B.RAKESH N.SAI KIRAN A.NAVEEN	21.03.24 24.03.24	SRM UNIVERSITY, AP	INFINITUS 2024	Sky Quest (DRONES CONTEST)	III EEE	FIRST PRIZE (Rs.9000)	TECH
3.	238W5A0225 238W5A0228 238W1A0281	MD.RAYYAN P.SANDEEP K.SATHISH	27.03.24 28.03.24	JNTU K, KAKAINADA, AP	INNOVATION FAIR	HYBRID CONVERTIBLE SMART BED	II EEE	SECOND PRIZE (Rs.10,000)	TECH
4.	228W5A0239	N.Bala Adithya	27/02/24	JNTU,VIZIANAGARAM	ELECTIQUE 2K24	SPARK TECH	III EEE-B	SECOND PRIZE	TECH
5.	228W5A0234	L.RAMSAI	26.02.24 27.02.24	JNTU,VIZIANAGARAM	ELECTIQUE 2K24	BLINK BRAIN	III EEE-B	WINNER	NON-TECH
6.	228W5A0224	B.RAMA KOTESWARA RAO	26.02.24 27.02.24	JNTU,VIZIANAGARAM	ELECTIQUE 2K24	QUIZ IQ	III EEE-B	FIRST PRIZE	NON-TECH
7.	208W1A0211	Ch.Hari Teja	27.09.23		Merit Scholarship	Late Shri Y.Sreeramulu Merit Scholarship	IV EEE	Merit Scholarship	
8.	228W5A0235	M.Giridhar Babu	25.07.23	E-CELL IIT BOMBAY		Internship	III EEE	Camus Executive position	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
1	208W1A0264	B.Sumanth	M.Tech	VIT, Vellore campus	India
2	208W1A0256	Sandeep Ventrapragada	M.Tech	VNIT, Nagpur	India
3	208W1A0249	THARUN SRIRAMULA	M.Tech	VNIT, Nagpur	India
4	208W1A0208	B.Gayatri Rama Tejaswini	PGDM	Siva Sivani Institute of Management	India
5	208W1A0299	N.Sailaja	MS	Saint Louis University	US
6	208W1A0B6	T.V.N.Hanumanth	MS	Florida Atlantic University	US
7	208W1A0286	K.Akshith Roy	M.Tech	Nit,Durgapur	India
8	208W1A02B1	Ruchitha.P	MS	Montclair state University	US

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

S.No.	Reg. No.	Name	Name of the Exam Qualified
1	2749987	Ruchitha.P	GRE
2	2720431	Narayana.E	GRE
3	541214	Narayana.E	IELTS
4	544332	P.Hima Chowdary	IELTS
5	2333493	P.Hima Chowdary	GRE
6	546491	A.Pujitha	IELTS
7	5141907238715875	T.Jayanth	TOEFLiBT
8	2100316	T.Jayanth	GRE
9	546489	N.Sailaja	IELTS
10	544675	A.S.Vishnu Mahesh	IELTS
11	-----	T.V.N.Hanumanth	duolingo
12	541795	T.V.N.Hanumanth	IELTS
13	EE24586112246	M.V.D.S.S.S.Vardhan Sarma	GATE
14	EE4586112499	M.Tarun	GATE
15	EE24586112007	K.Akshith Roy	GATE
16	507897	O.Jahnavi	IELTS
17	2900440	O.Jahnavi	GRE
18	2969773	B.Jyothi	GRE
19	3391208240285509	B.Jyothi	TOEFLiBT
20	------	Nurbasha Shaziya	duolingo
21	3002505	Nurbasha Shaziya	GRE

INNOVATION DAY CELEBRATION

"Innovation Day" is a significant annual event at our organization, where we celebrate and recognize the spirit of creativity, technology, and forward-thinking. It provides a platform for our employees to showcase their innovative ideas, products, and processes. 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 2023.** The college conducted National **Inter college Technical Model Exhibition 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 Thinks, Robotics Augmented Reality etc with technologies**.**

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**.** The total of 26 project working models presented in the event, 11 models from outside the college and 15 models from the host department. The students presented their innovative ideas and developed proto types in different fields of electrical and electronics engineering on innovation day 2023. To encourage the student's, college awarded the cash prize for top two project working models.

The Chief Guest for the event is the eminent personality **Dr. Vidyasagar Abburi**, Chairman & Managing Director to "**Avantel Limited"**.The department evolution judge for the event is Mr. Gopal Reddy Lakkireddy, director, SYTIQHUB, Vijayawada.

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	MULTI PURPOSE ROCK BOTTOM COMPACT MACHINARY FOR SMART AGRICULTURE	D. GURUCHARAN	V R SIDDHARTHA ENGINEERING COLLEGE	7330667183	NAME: DUVVADA GURUCHARAN NAME OF BANK: SBI ACCOUT NO: 37943699820 BRANCH:PALASA IFSCE CODE: SBIN 000 1006
2	EEE	MODEL	SECOND RS.3000	IOT BASED BABYINCUBATOR	PRAYAGA SITA RATNA SHANMUKHI	VISHNU INSTITUTE OF TECHNOLOGY	7893937266	NAME: PRAYAGA SITA RATNA SHANMUKHI NAME OF BANK:SBI ACCOUT NO: 35132552963 BRANCH : MALKIPURAM IFSCE CODE: SBIN 00 12692
3*	EEE	MODEL	THIRD RS 2000	ROBOTIC MODULE FOR SAFELY RETRIEVING FRISKY ONE'S FROM OPEN BOREHOLES	JALLI SREELEKHA	V R SIDDHARTHA ENGINEERING COLLEGE	9704298060	NAME: JALLI SREELEKHA NAME OF BANK: SBI ACCOUT NO: 34528036887 BRANCH: VUYYURU IFSCE CODE:SBIN 000 1408
4*	EEE	MODEL	FOURTH RS 1500	A SMART CARDIAC HEALTH ANALYSIS GADGET RESOURCING ECG INPUT	KODEBOINA TEJA SRI	V R SIDDHARTHA ENGINEERING COLLEGE	8688049523	NAME: KODEBOINA TEJA SRI NAME OF BANK: SBI ACCOUT NO: 38625273514 BRANCH: MUTYALAMPADU IFSCE CODE: SBIN 000 3055

*** These prizes were awarded by the judge from his honorarium amount of Rs 3,500/-.**

Innovation day 2023 Prize winners

MULTI PURPOSE ROCK BOTTOM COMPACT MACHINARY FOR SMART AGRICULTURE By
D Guru Charan , VRSEC
1st Prize

IOT BASED BABY INCUBATOR MONITORING ALERTING SYSTEM By SATYA RISHHITHA NARRA
VISHNU INSTITUTE OF TECHNOLOGY
2 nd Prize

ROBOTIC MODULE FOR SAFELY RETRIEVING FRISKY ONE'S FROM OPEN BOREHOLES By
Ruchitha Panchakarla VRSEC
3rd Prize

A SMART CARDIAC HEALTH ANALYSIS GADGET By
Kodeboina Teja Sri, VRSEC
4th Prize

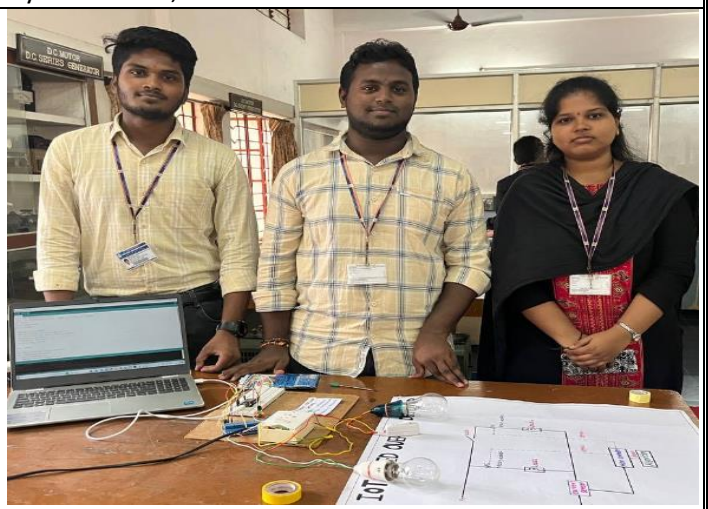
POWER-BED WITH HYBRID FUNCTIONALITIES By Parimi Sai Rama Krishna

WIRELESS MOTION DETECTION USING PIR & ULTRASONICSENSOR by Kuna Dhanunjayarao Nadakuditi

SMART DOOR LOCK By Tenali Gayathri

DRAINAGE DETECTING AND MONITORING SYSTEM By A.Kiran Sai,

POTHOLE DETECTION USING CLOUD TECHNOLOGY



IOT BASED OVER LOAD DETECTOR

AN IOT BASED AUTOMATIC WATER DRAINING SYSTEM
IN By A. HARISH
VISHNU INSTITUTE OF TECHNOLOGY

SMART HELMET By M.LOKESH

STREET LIGHT FAULT DETECTION AND LIVE MONITORING

By M SAI SRINIVAS

VISHNU INSTITUTE OF TECHNOLOGY

SMART DOOR LOCK By
Tenali Gayathri

SMARTPHONE BLUTOOTH TO LIGHT CONTROLLER

By KANUMURI ANAND BABU

FIRST AID KIT By
NEYYALA SAI KIRAN

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	01-09-2023	Drone club students	Fopple Drone Tech Pvt Ltd	Local	Kankipadu	Dr.J.Vimala kumari
2	28-02-2023	¾ B.Tech	Software Techology Parks of India	Local	Vijayawada	T. Naveen kumar
3	06-02-2024 & 07-02-2024	¾ B.Tech	Kumar pumps & motors Tenali	Local	Vijayawada	Sri.T.Suneel Sri.Dr.Subhojit Dawn Smt. K.Lalitha

"Industrial Visit to Fopple Drone Tech Pvt. Ltd. – Exploring Cutting-Edge Drone Technology"

"Industrial Visit to Software Technology Parks of India, Vijayawada – Exploring Innovation and Technology"

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

Best Projects Award:2023-24

The Best Projects Award 2023-24 recognizes outstanding innovation, creativity, and technical excellence demonstrated by students. This award celebrates projects that showcase cutting-edge research, problem-solving abilities, and real-world impact across various domains. The selected projects highlight advancements in sustainable energy, automation, artificial intelligence, and emerging technologies. Through rigorous evaluation, the most innovative and impactful projects are honored for their technical depth, originality, and implementation feasibility. This initiative encourages students to push boundaries, think critically, and contribute to technological progress. Congratulations to all the winners for their dedication and excellence in engineering and innovation.

S. No	Roll No.	Name of the Student	Name of the Guide	Title of the Project	Ranking
1	218W5A0206	KARRI MOHAN MURALI KRISHNA REDDY	Dr.P.V.R.L.Narasimham	Design and development of an affordable lightweight smart electric two-wheeler for sustainable urban mobility	1
	218W5A0201	BAVISETTI AVINASH			
2	208W1A0271	DUVVADA GURUCHARAN	Dr.A.Rama Devi	Automated multipurpose rock-bottom compact machinery for smart agriculture	2
	218W5A0217	VANGAPATI SWAPNA			
	208W1A0269	DARIVEMULA ARUN SAGAR			
	208W1A0262	AVULA SYAM KUMAR			
3	208W1A0223	KARAPA DEVI SRI BHANU PRASAD	Dr.N.Vamsi Krishna	Energy Efficient Seminar Hall Automation Using Image Processing	3
	218W5A0208	SHAIK IMRAN			
	208W1A0220	JALLI NIKHIL KUMAR			
	208W1A0206	BATTA PRASANTHI			

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

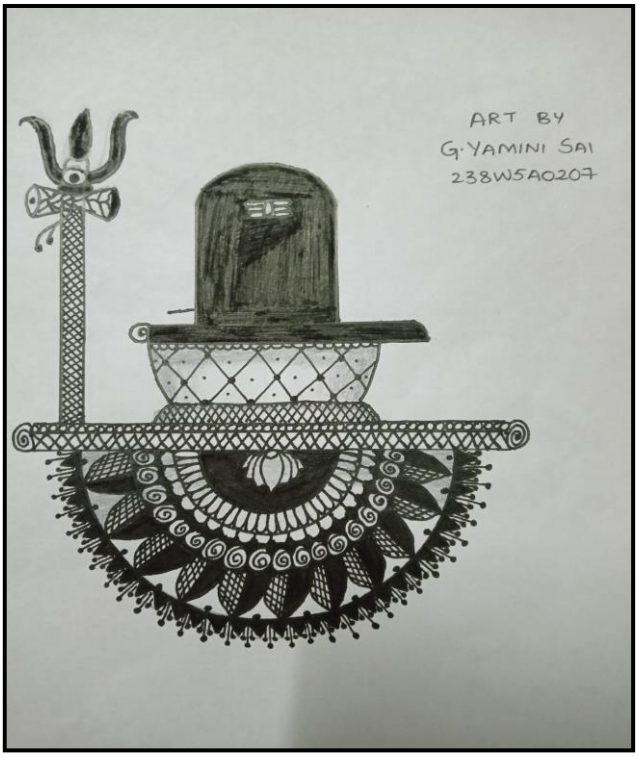
EEE Block Solar Inverter

ME Department 150kWp Solar panels

S&H Block-I 50kWp Solar Panels

ART GALLERY


Y. Parvathi
228W1A0254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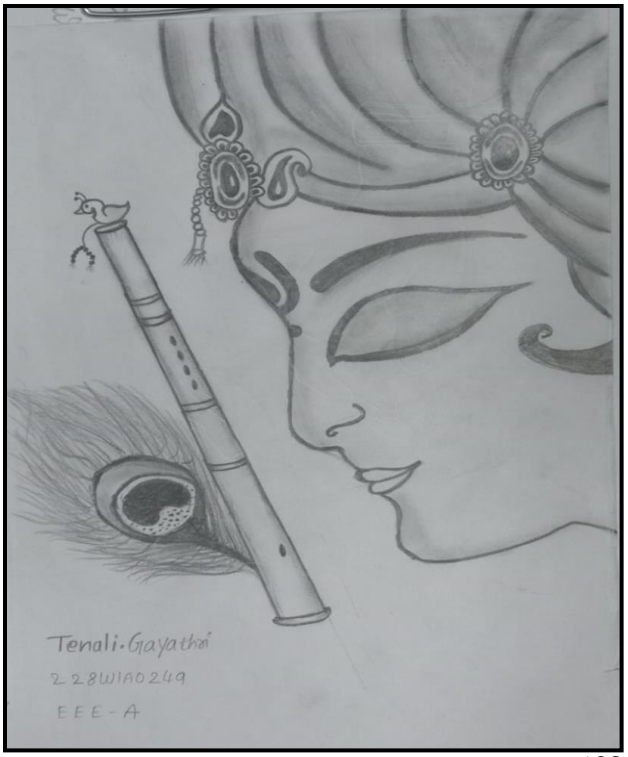
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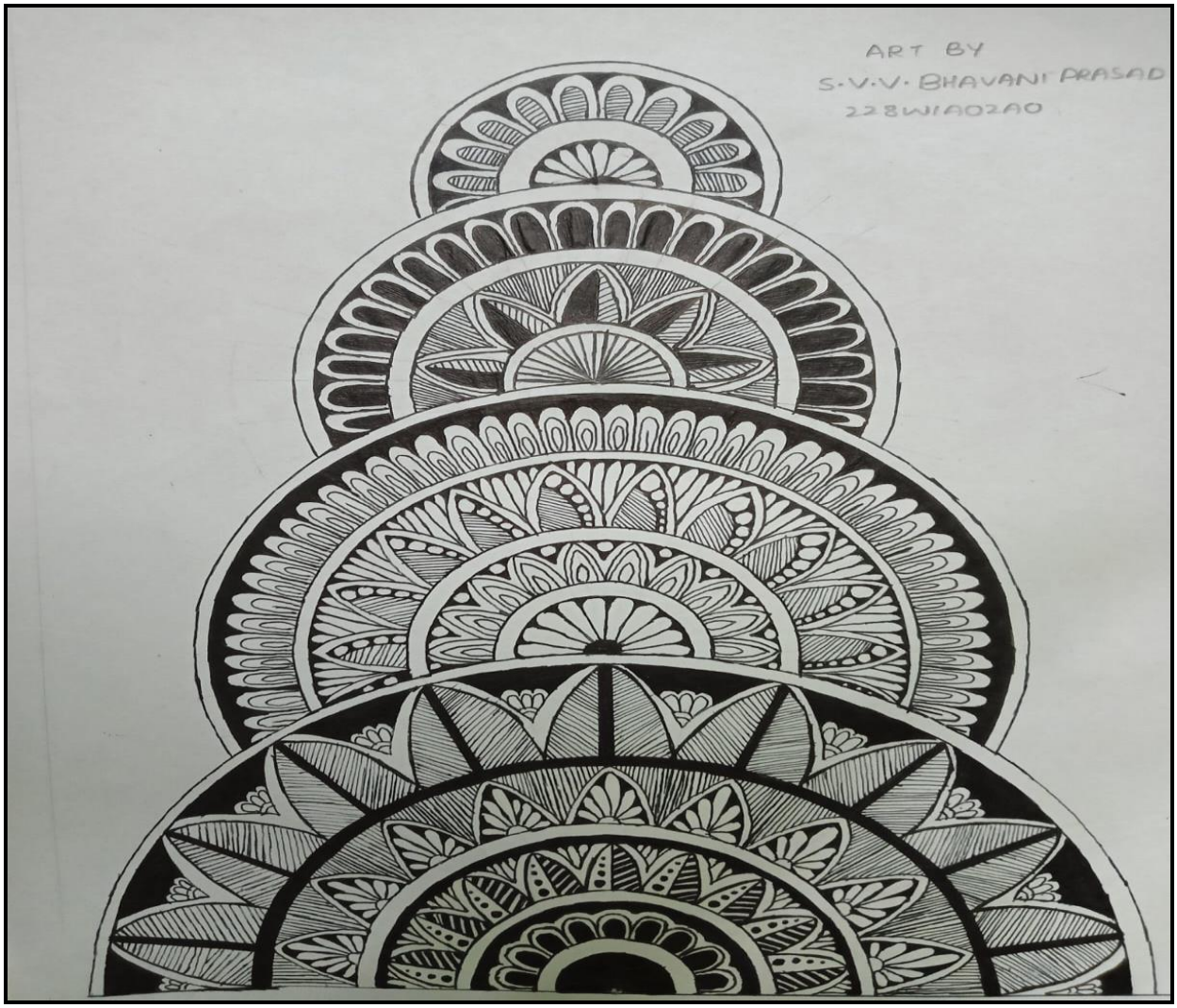
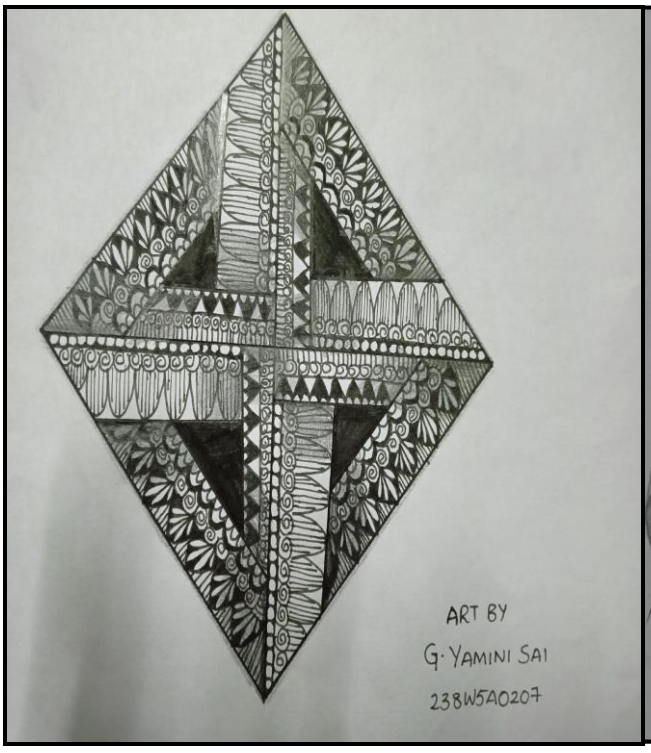
EEE-A


ART BY
S·V·V· BHAVANI PRASAD
228W1A02A0


ART BY
G·YAMINI SAI
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Tenali· Gayathri
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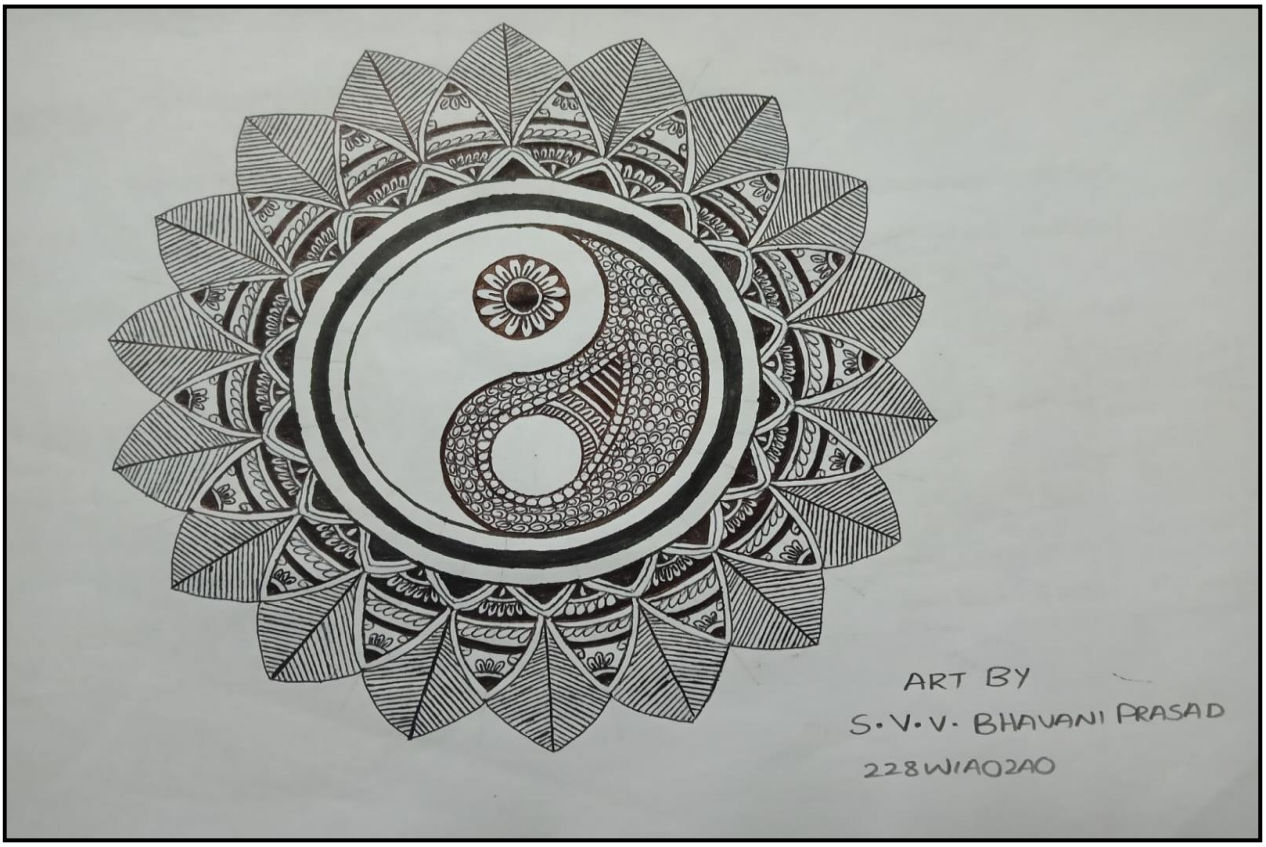
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S.V.V. BHAVANI PRASAD
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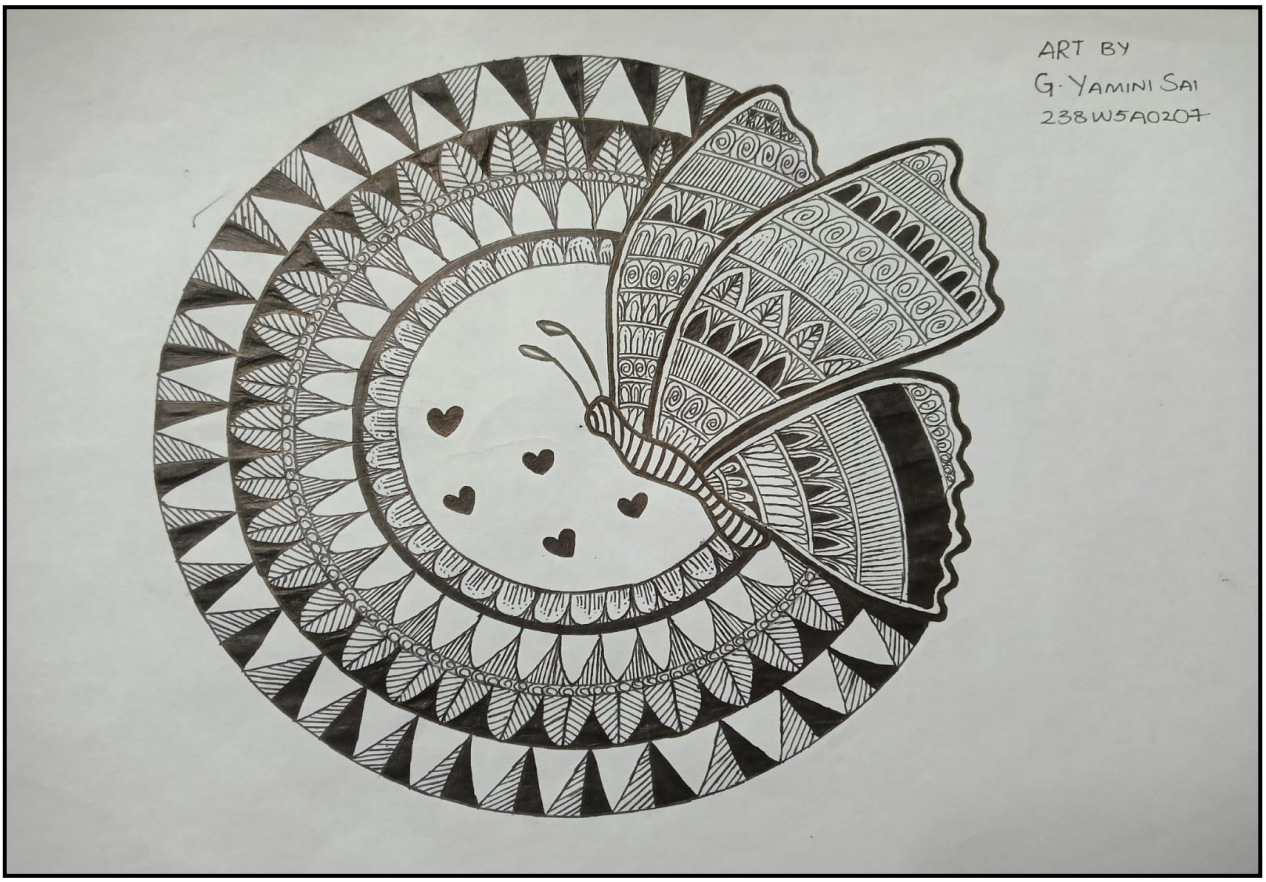
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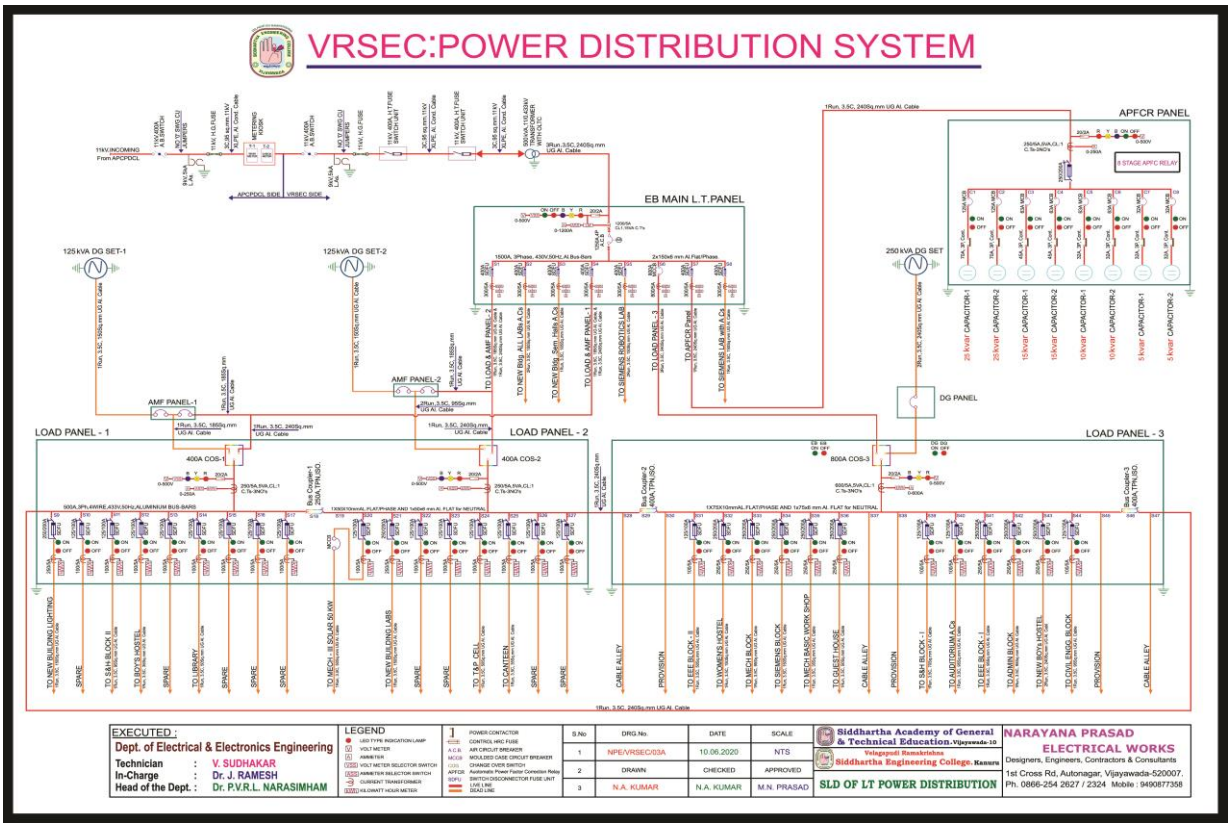
POWER HOUSE


VRSEC:POWER DISTRIBUTION SYSTEM
APFCR PANEL
EB MAIN L.T.PANEL
125kVA DG SET-1
125kVA DG SET-2
250 kVA DG SET
AMF PANEL-1
AMF PANEL-2
DG PANEL
LOAD PANEL - 1
LOAD PANEL - 2
LOAD PANEL - 3
400A COS-1
400A COS-2
800A COS-3
EXECUTED :
Dept. of Electrical & Electronics Engineering
Technician : V. SUDHAKAR
In-Charge : Dr. J. RAMESH
Head of the Dept. : Dr. P.V.R.L. NARASIMHAM
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