

# UJWALA NEWSLETTER

## VISION:

To develop comprehensively trained and Socially responsible women electrical and electronics engineers with competencies and capabilities to adapt to new challenges.

## MISSION:

1. To empower the students adept at latest technologies by providing innovative learning environment.
2. To cultivate interdisciplinary research mind-set and outlook to develop engineering solutions.
3. To inculcate ethical behaviour and professional attitude in order to embrace holistic concept of living



## BVRIT HYDERABAD

College of Engineering for Women



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College of Engineering for Women

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Department of Electrical & Electronics Engineering

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Dr.B.Srinivasa Rao  
Professor & HoD  
Ph: 9949646356

### Editorial Board:

1. Dr. B. Srinivasa Rao, HoD & Prof, EEE
2. Mr. M. Prashanth, Asst. Prof, EEE
3. Dr. S Faith Manjusha Vijayalatha, Asst. Prof, BS&H
4. Ms. Dasari Khyathi, EEE, 3rd Year
5. Ms. Madari Varshini, EEE, 3rd Year

# About the Department

Department of Electrical and Electronics Engineering (EEE) was established in the year 2012 with an intake of 60 students and affiliated to Jawaharlal Nehru Technological University Hyderabad, Hyderabad. The department is supported by experienced faculty and has full-fledged laboratories to meet the demands of present-day scenario. The institution got UGC Autonomous status from July 2023 onwards for the period of 10 years. The department has established "Vishnu Vehicle Design Lab" aiming to step forward in design of e-mobility vehicles. In addition to the regular curriculum, department of EEE provides more practical exposure beyond the syllabus deliberated from second year onwards. The main aim of the Electrical and Electronics Engineering program is to develop enterprising professionals who have an innovative disposition, the confidence and abilities to assume leadership roles in technology, business and the community. The program is designed to give the skills essential for graduate engineers to become immediately employable in the global competitive environment. Department provides sufficient training with industry people with hands on experience which help them to have an edge over others in this competitive world where science and technology are moving in a galloping pace. Presently department is headed by Dr. B. Srinivasa Rao, Ph.D., SMIEEE, LMISTE, FIE. His research areas of interest are Power system optimization with renewable energy sources, multi objective optimization, and integrations of FACTS devices

# HOD Message



**Dr. B. Srinivasa Rao**  
M.Tech, Ph.D  
HoD & Professor  
DoJ:27.10.2022.

Greetings from the EEE Department, BVRIT HYDERABAD College of Engineering for Women. It gives immense pride & pleasure to lead the Electrical & Electronics Engineering Department of this Esteemed & Prestigious Institute.

The department has specialized faculties in all important areas of Electrical Engineering such as Power Systems, Power Electronics & Drives, Control & Automation, Instrumentation, Internet of Things etc. The department works in the direction of nurturing the faculties and exposing them to world class infrastructure by providing world class training outside college campus. We provide ample opportunities to our faculty and students under the Departmental Association Deeptha through in house trainings, workshops Guest Lectures and Non technical Activities. Our department consists of various laboratories like Basic Electrical Engineering, Electrical Machines, Power Electronics, Control Systems, and Measurements equipped with new technological setups giving the scope to all students having hands on experience individually. Which will increase the confidence to face the practical problems in the field of Electrical Engineering.

Industrial Visits and Internships are regularly planned to improve the practical Knowledge of the students and have an interaction with the industry people. We continue to play a leading role in our discipline which leads us towards creating innovative and effective professional graduate community which would be vivacious and provide continuous learning. I extend my warm wishes to all budding Electrical Engineers.

## Program Educational Objectives

- 1: Propose effective solutions for complex Electrical and Electronics Engineering problems using modern techniques
- 2: Excel in their career and compete with their global peers in Techno-Scientific field.
- 3: Exhibit good communication skills, ethical behaviour & social perception.
- 4: Stimulate economic growth and job Opportunities through entrepreneurship.



# Faculty information



Mr. C. Venkata Subba Reddy  
M.Tech, (Ph.D)  
Assistant Professor-  
DOJ:16.02.2024



Mr. M. Prashanth  
M.Tech, (Ph.D)  
Assistant Professor-  
DOJ:16.02.2024



## Workshops

## Events organized

### Guest Lectures

- ◆ Dr.B.Srinivasa rao professor & HOD of EEE, Ms.B.Sujatha, Associate Professor and & Mr.C.Venkata Subba Reddy, Assistant Professor coordinated a Guest Lecture on **Linux Kernel Applications to embedded systems** by Mr.U.Rajanikanth, Sr. Architect, L&T Technology Services, Hyderabad in association with ISTE students chapter on 7<sup>th</sup> June 2024.



- ◆ Dr. Prasanta kumar Jena, Assistant Professor and Mr. C.Venkata Subba Reddy, Assistant Professor organized a Guest Lecture on “**Introduction to Serial Communication Protocols**” by **Mr. K. Bapaiah, FPGA Design & Test Engineer, Light Speed Photonics Pvt. Ltd** in association with ISTE students chapter on 8<sup>th</sup> June 2024.

- ◆ Mr.Ch.Krishna Reddy, Assistant Professor Conducted Student development Programme for III EEE students on Model based development using MATLAB/Simulink from 22<sup>nd</sup> April to 24<sup>th</sup> April 2024.
- ◆ Mr. C. Venkata Subba Reddy, Assistant Professor & Mr. M. Prashanth, Assistant Professor conducted three days workshop on “TMS320F28379D DSP Controller” for III B.Tech., EEE students from 25<sup>th</sup> to 27<sup>th</sup> April 2024.
- ◆ EEE Department organized “Robot exhibition with school children” in association with Soham Academy on 20<sup>th</sup> January 2024.
- ◆ Department of Electrical and Electronics Engineering, BVRIT HYDERBAD College of Engineering for Women, Bachupally, Organised Light Up learning solar LED drive under Energy Conservation cell, Indian Society for Technical Education (ISTE) and Institution’s Innovation Council (IIC) in association with FCI STEWA. Distributed solar LED lamps on 9<sup>th</sup> March 2024 for 30 families in srisrinagar, Balanagar, Hyderabad.



- ◆ Dr.K.Amritha, Associate Professor as the Convener from Dept of EEE, organized & conducted National Level Students' Technical Fest 'Medhanvesh 2024' during 22nd & 23rd March 2024.



- ◆ Ms. B. Sujatha, Associate Professor & Ms. K. Bhavya, Assistant Professor organized CIRCUITRICKS event for MEDHANVESH-2024.



## Students Achievements

- ◆ Ms. D Laxmi Prasanna (22WH1A0207), Ms. R Avanti (22WH1A0247), Ms. Ch. Navya (22WH1A0236) studying II Year I Sem Qualified in the event KIRITI 4.0 conducted by KIM from 17/1/24 to 21/2/2024 under the mentorship of Ms. Sujatha, Asst. Prof, EEE.
- ◆ Total 41 students from III Year I Sem have got an internship in Codeway in different domains like Java, Python, Machine Learning, Web development for four weeks, starting from 24<sup>th</sup> January 2024 to 24<sup>th</sup> February 2024.
- ◆ Ms. Asritha Arroju (20WH1A0234) got qualified in **GATE-2024 with rank of 9254 and Gate score of 332.**
- ◆ Ms. Jahnavi Kusuma (20WH1A0235) got qualified in **GATE-2024 with rank of 21862 and Gate Score of 240.**

◆ **Ms. G. Lumbini (21WH1A0229) got qualified in GATE-2024 with rank of 15173 and Gate Score of 279.**

- ◆ Ms. Chencharapu Keerthana bearing Roll.No.22WH1A0225, Ms. Janani Nagarajan bearing 22WH1A0218 studying II Year II Sem of EEE Department. Won 1st prize in Circuitrix conducted by EEE department in Medhanvesh-2K24 from 22/3/24 to 23/3/24.

- ◆ Ms. Polkam Lahari bearing Roll.No.22WH1A0201 and Ms. Nakka Harshitha bearing Roll. No. 22WH1A0221 studying II Year II Sem won 2nd prize in **circuitrix** in MEDHANVESH 2024 conducted by BVRITH from 22/3/24 to 23/3/24, EEE department.

- ◆ Ms. J. Bhavyasree (22WH1A0212), Ms. Keerthi Rathod (22WH1A0202), Ms. Ch. Manasa (23WH5A0216) and Ms. Ramagiri Greeshma (23WH5A0210) got **Third prize and received Cash prize with 3000/- for the project titled "Smart Saline Monitoring"** in the ELECQUEST'24 project expo event organized by the Department of Electrical and Electronics Engineering, MLR Institute of Technology, Hyderabad under the mentor of Ms. B. Sujatha, Associate Professor in the Department of Electrical and Electronics Engineering.

- ◆ Ms. K. Anusha bearing Roll No 21WH1A0204, Ms. N. Akshitha bearing Roll No 21WH1A0225, Ms. T. Amulya bearing Roll No 21WH1A0237, Ms. Sd. Rizwana Begum bearing Roll No 21WH1A0240 studying III Year II Sem **participated in Elecquest'24**, a project presentation competition conducted by Marri Laxma Reddy Institute of Technology on 6<sup>th</sup> April 2024.

- ◆ Ms. Polkam Lahari bearing Roll. No 22WH1A0201 studying II Year II Sem selected as a Contributor for GSSOC'24, EEE department

- ◆ Ms. Nakka Harshitha bearing Roll. No 22WH1A0221 studying II Year II Sem selected as a Contributor for GSSOC'24, EEE department.

- ◆ Ms. S. Keerthana bearing Roll No. 20WH1A0212, Ms. Sravanthi bearing Roll No. 20WH1A0220, Ms. V. Krishna Pravalika bearing Roll No 20WH1A0221, Ms. K. Renuka bearing Roll No 20WH1A0225 & Ms. Sneha Manoharan studying IV year II Sem received first prize for R&D showcase for Major project Title "Extraction of Electrical Parameters Data for Building Monitoring System and Data analytics" conducted on 04-05-2024



- ◆ under the guidance of Mr.C.Krishna Reddy, Assistant Professor in EEE dept.

## Students Participations

- ◆ Ms.S Rishitha bearing Roll. No 22WH1A0219 studying II Year II Sem Participated in Ethical hacking conducted by NIKIST from 11/1/2024 to 12/1/2024 under the mentorship of Mr. Sandeep, Asst. Prof, EEE.
- ◆ Ms. Ch. Keerthi bearing Roll No 21WH1A0212, Ms. P. Sai Pranathi bearing Roll No 21WH1A0215, Ms. K. Tina Sai Sree bearing Roll No 21WH1A0234, Ms. K. Rajitha Ashok bearing Roll No 21WH1A0238, Ms. Y. Anusha bearing Roll No 21WH1A0242 studying III Year I Sem have volunteered in a Future Solve Hackathon conducted by Pravaha foundation in collaboration with Creya Learning and T works held at T works from 24<sup>th</sup> January 2024 to 26<sup>th</sup> January 2024.
- ◆ Ms. D. Poojitha bearing Roll No 21WH1A0221, Ms. Ch. Rukmini bearing Roll No 21WH1A0236, Ms. Sd. Rizwana Begum bearing Roll No 21WH1A0240 studying III Year I Sem have participated in FROST HACKS, Hyderabad's first 30-hour Hackathon in collaboration with Major League Hacking held at IARE from 20th January 2024 to 21st January 2024.
- ◆ Ms.Uppala Brinda bearing Roll. No 22WH1A0231 studying II Year II Sem Participated in Simple Linear Regression conducted by MACHINEHACK on 11/3/24 under mentorship of Mr.G. Sandeep, Mrs.B.Sujata, Associate professor, EEE department.
- ◆ Ms.K. Aishwarya bearing Roll. No 22WH1A0234 studying II Year II Sem Participated in IEEE CASS BLITZ: Basic Analog Circuits (2024 Education week edition) conducted by IEEE CASS Institute of Global Education on 22nd APRIL 2024 , EEE department.
- ◆ Ms.K. Aishwarya bearing Roll. No 22WH1A0234 studying II Year II Sem Participated in Electric mobility revolution (IEEE PES DAY EVENT) conducted by IEEE BVRITH on 23rd APRIL 2024 , EEE department.

◆ Ms.Sagiraju Hema Sree (21WH1A0218) from III year attended the Infosys Springboard Pragati: Path to Future program, a 12-week initiative with 11 weeks conducted offline and one week on campus. She participated in the on-campus session from July 1, 2024, to July 5, 2024.

## Placements

- ◆ Ms. Pashma Snehalatha bearing Roll no. 20WH1A0210 from IV-year EEE got placed in Qualizeal with 4 LPA on 12th Jan 2024.
- ◆ Ms.S.Keerthana (20WH1A0212), Ms.A.Prathyusha (20WH1A0214), Ms.G.Swetha (20WH1A0216), Ms.B.Sanjana (20WH1A0217), Ms.V.Pravallika (20WH1A0221), Ms.Ch.Bhavana (21WH5A0203) got place in **Capgemini on 11<sup>th</sup> March 2024 with 4.25 LPA.**
- ◆ Ms. T.Mounika (21WH5A0210) and Ms. K.Aarthi (21WH5A0220) got placed in Tesio Architectural Lighting Company (Core company) with pay Rs.2.16 LPA
- ◆ Ms. Pathuri Supriya bearing Roll.no. 21WH1A0216 got selected in TVS Motor as Design Engineer- Electrical, Stipend Rs. 25,000/ per month and FTE salary 8 LPA.
- ◆ Ms. P.Aruna(20WH1A0237) got placed in **TCS Digital with 7 LPA.**
- ◆ Ms. Bacchu Geethavani (20WH1A0206) from 2020 Batch selected as an Associate Project Engineer at ABB Company, Bangalore. She did Internship at ABB Company, Bangalore from 5<sup>th</sup>Feb to 5<sup>th</sup>Aug (Six months). Her performance during the internship led to an offer for a full-time position with 8.5 LPA. Till now this is the highest package from 2020 Batch EEE Department. .

# Faculty Achievements

- ◆ Ms. B. Sujatha, Associate Professor Successfully passed and awarded "CII – Certified Professional in Resource Efficiency and Environmental Sustainability" on 28th November 2023.
- ◆ Mr. C. Krishna Reddy, Assistant Professor received first prize for R&D showcase for Major project Title "Extraction of Electrical Parameters Data for Building Monitoring System and Data analytics " conducted on 04-05-2024.
- ◆ Dr. R. Manoj Kumar got selected as guest editor for the Web of Science and Scopus journal of PLOS ONE from 10<sup>th</sup> June 2024.
- ◆ Dr. R. Manoj kumar, Assistant Professor Submitted review of paper titled "Techno-economic Assessment of Grid-connected Photovoltaic Systems for Peak Shaving in Arid Areas Based on Experimental Data" for Energy Reports journal.
- ◆ Dr. Manoj Kumar, Assistant Professor Become program committee member of IEEE INDICON 2023 conference.
- ◆ Dr. R. Manoj kumar, Assistant Professor Become Reviewer of IEEE NPEC 2023 and reviewed the following two papers.
- ◆ Ms. B. Sujatha, Associate Professor completed the course for BEE Energy Manager and Energy Auditor Exam 2024 conducted on 19<sup>th</sup> to 23<sup>rd</sup> February 2024 organized by CII, Hyderabad.
- ◆ Mr. Ch. Krishna Reddy, Assistant Professor reviewed a Book Chapter entitled Recent advances and emerging directions in fire detection systems based on machine learning algorithms for B P International.
- ◆ Ms. B. Sujatha, Associate Professor reviewed the manuscript on "BESS integrated Type 4 wind turbine Peak shaving by multisource converter scheme by using PSCAD" in International Journal of Emerging Electric Power Systems (IJEPPS) on 11th March 2024.
- ◆ Mr. Ch. Krishna Reddy, Assistant Professor Reviewed two papers for International Conference on Computational Intelligence, Green and Sustainable Technologies.
- ◆ Mr. Ch. Krishna Reddy, Assistant Professor Paper titled "A Protection Scheme for Fault Identification in AC Microgrid Using LDA-Based Algorithms" is accepted in IEEE conference.
- ◆ Dr. Prasanta Kumar Jena appointed as session chair in the IEEE conference ICCIGST 2024 at Siddhartha Academy of Higher Education, Vijayawada on 19<sup>th</sup> July 2024.
- ◆ Dr. B. Srinivasa Rao Professor & HoD of EEE attended as session Chair in IEEE International Conference on ICCIGST-2024 on 18th July 2024 at Siddhartha Academy of Higher Education (SAHE) 'Deemed to be University', Vijayawada, India.

# Toppers

Second Year second Semester topper for the Academic Year 2023-24



N.SNEHALATHA  
(23WH5A0204)  
8.70CGPA

Third Year Second Semester topper for the Academic Year 2023-24



BASAMGARI AKHILA  
(21WH1A0245)  
7.95CGPA

Fourth Year Second Semester topper for the Academic Year 2023-24



AMMANOLLA SONY  
(20WH1A0201)  
9.06 CGPA



# Placements for 2020 Batch

## Capgemini



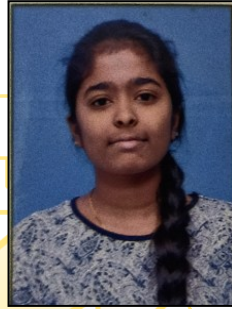
S. Keerthana  
(20WH1A0212)



A. Prathyusha  
(20WH1A0214)



G. Swetha  
(20WH1A0216)



B. Sanjana  
(20WH1A0217)



V. Pravallika  
(20WH1A0221)



Ch. Bhavana  
(21WH5A0203)

## Tesio Architectural Lighting



Mounika  
(21WH5A0210)



K. Aarthi  
(21WH5A0220)



Pashma Sneha Iatha  
(20WH1A0210)

## Qualizeal

## TCS



P. Aruna  
(20WH1A0237)

## ABB Company



Bacchu Geeta Vani  
(20WH1A0206)