

# 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



## BVRIT HYDERABAD

College of Engineering for Women

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Department of Electrical &  
Electronics Engineering

July 2024, Volume 11, Issue 2

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, 4th Year
5. Ms. Madari Varshini, EEE, 4th 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.



## Events organized

## Guest Lectures

- ◆ EEE department organized a Guest lecture on "Power Electronics in Renewable Energy Intelligent Systems by Dr. Sanjeevikumar Padmanaban" full professor of Power Electronics University of South- Eastern Norway" on 4th November 2024



- ◆ EEE Department organized Lippan Art Workshop on the occasion of DEEWALI on 30-10-2024



## Workshops

- ◆ Dr.K.Amritha, Associate Professor and Ms.K.Bhavya, Assistant Professor organized a PDP on "Smart Mobility: The Future of Autonomous Electric Vehicles" in collaboration with TIHAN – IIT Hyderabad on 11th – 16th November 2024.



- ◆ Mr.R.Guruswamy, Associate Professor Conducted DEEPTHA. Electrifying Minds: A presentation contest on Pioneers of Electrical Engineering" on 28th September 2024.

## Industrial Visits

- ◆ Dr.Ch. Sunil Kumar, Professor & Vice Principal, Mr.R. Guruswamy, Associate Professor, Dr. R. Manojkumar, Assistant Professor, Ms. Babita Gupta, Assistant Professor visited to TG Transco 400KV (GIS Station) Raidurg Madhapur, Hyderabad along with II EEE students on 26<sup>th</sup> October 2024.



## Students Achievements

- ◆ Ms. Bhanu Teja Chekuri (23WH1A0245) II year student Selected for NXP Women In Tech (WIT) program with stipend of 50000/- on 6-11-2024.
- ◆ Ms. D. Khyathi, bearing Roll. No 21WH1A0224, selected for the post of President of the Student Affairs council during the academic year 2024-25.
- ◆ Ms. Rizwana Begum Syed, Ms. Amulya Tumalla, Ms. Rajitha Ashok Kota, Ms. Harini Raparathi, Ms. Rohitha Chouhan Published a paper on **Decoding Market Signals: Unveiling the Dynamics of Stock Sentiment through Headlines Analysis** in IEEE 2nd International Conference on Sustainable Computing and Smart Systems (ICSCSS 2024).
- ◆ Ms. Loka Supriya, Ms. Vaddepally Priya, Ms. Reddam Shivani Published a paper on **Saline level intelligent monitoring system utilizing GSM module** in IEEE 2024 International Conference on Computational Intelligence for Green and Sustainable Technologies (ICCIGST-2024).
- ◆ Ms. Geetha Vani Bacchu, Ms. Dharani Nimmala, Ms. Aashritha Ganji, Ms. Rasagnya Begari Published a paper on **ESP32-Based Fan Speed Regulation System** in IEEE 2024 International Conference on Computational Intelligence for Green and Sustainable Technologies (ICCIGST-2024).
- ◆ Ms. P. Aruna, Ms. Nabieha, Ms. Memugadda Niteesha, Ms. Rapelly Chandana, Ms. Sai Nithya Published a paper on **Voltage Control in Low Voltage Distribution Systems Using Smart Power Converter** in 2024 International Conference on Electrical Electronics and Computing Technologies.

## Students Participations

- ◆ Ms. Kotta sadvi sree, Ms. Chall Ruchira yadav, Ms. Chekuri Bhanu Teja Participated in Youth Mental Health First Aider organized by M Power (Aditya Birla Education Trust) from 26-12-2023 to 25-12-2024.
- ◆ Ms. Kotta sadvi sree, Ms. Chall Ruchira yadav, Ms. Chekuri Bhanu Teja Participated Promote Mental Health Awareness organized by M Power (Aditya Birla Education Trust) from 26-12-2023 to 25-12-2024.
- ◆ Ms. G. SAI POOJITHA Participated in VJ Hackathon at VNR collage of engineering and technology from 28-10-2024 to 29-10-2024
- ◆ Ms. G. SAI POOJITHA Participated in Energy Swaraj Foundation on 20-12-2024.
- ◆ 41 Students got certificate for the NPTEL course on "Advanced Power Electronics and Control" from July 2024 to Sep 2024.
- ◆ Ms. J. Poojitha, Ms. B. Mamatha Presented paper entitled as "AI on Machine Learning for Optimizing Clean Energy Consumption and Energy Efficiency" in International Conference on Recent Development in Science Engineering and Technology at Sidvi Foundation on 15-09-2024.
- ◆ Ms. R. Haswitha, Ms. L. Nishitha Presented paper on "Advances in Renewable Energy integration for Enhancing energy efficiency in Smart Grids" in International Conference on Recent Development in Science Engineering and Technology at Sidvi Foundation on 15-09-2024.
- ◆ Ms. P. Lohitha, Ms. J. Poojitha, Ms. G. Sai Keerthana attended Virtual Internship on Industrial Automation in Eduskills Academy from October 2024 to December 2024.
- ◆ Ms. Sagiraju Hema Sree, Ms. Donepudi Poojitha, Ms. Chouda Rukmini Participated in the event **Next in tech** at BVRITN on 18-10-2024.



# Placements

- ◆ Ms. Sanapala sai Jahnvi (21WH1A0213), Ms. P. Sai Pranathi (21WH1A0215), Ms. P. Supriya (21WH1A0216), Ms. B. Yuckyha (21WH1A0219), Ms. Soma Asria (21WH1A0223), Ms. D. Khyathi (21WH1A0224), Ms. N. Akshitha (21WH1A0225) Ms. B. Amulya Rani (21WH1A0226), Ms. P. Poojitha (21WH1A0228), G. Poojitha (21WH1A0231), Ms. S. Sowmya (21WH1A0232), Ms. K. Tina saisri (21WH1A0234), Ms. T. Anupriya (22WH5A0206), Ms. A. Harishitha (22WH5A0216) got placed in **Capgemini** with 4.00 LPA.
- ◆ Ms. Ponnaganti Sri Bhargavi (21WH5A0211) got placed **Wipro**, as Technical Graduate with 4.00LPA.
- ◆ Ms. Sanapala Sai Jahnvi (21WH1A0213) got placed **TVS Motors**, as Territory Manager Sales (CMB) with 8.00LPA.
- ◆ Ms. K. Anusha (21WH1A0204), Ms. K. Unnatha (21WH1A0227) got placed **Infosys** company with 3.60 LPA.
- ◆ Ms. Y. Anusha (21WH1A0242) got placed TINY TACTICS with 4.8 LPA.
- ◆ A) Beyond the Battery: Innovative Energy Storage Solutions for Electric Vehicles, Mr. Guruswamy Revana, Ms. Vankudothu Jayasri (23WH5A0206) and Ms. Suppala Hasini (22WH1A0245)
- ◆ B) The Future of Electric Vehicles: Beyond Batteries and Fuel Cells; Mr. Guruswamy Revana, Ms. Kadarla Aishwarya (22WH1A0234) and Ms. Lakavath Shailu (22WH1A0214).
- ◆ C) Advances in Renewable Energy Integration for Enhancing Energy Efficiency in Smart Grids, Mr. Guruswamy Revana, Ms. Haswitha Reddy (22WH1A0244) and Ms. Lingampeta Nishitha (22WH1A0248)
- ◆ D) AI and Machine Learning for Optimizing Clean Energy Consumption and Energy Efficiency, Mr. Guruswamy Revana, Ms. Jonnana Poojitha (22WH1A0214) and Ms. Buddutha Mamatha (22WH1A0204).
- ◆ Mr. R. Guruswamy, Associate Professor from EEE dept. Participated in the meeting conducted by the IIITH - Campus Research Affiliate Program on 18th September 2024.
- ◆ Mr. Ch. Krishna Reddy , Assistant Professor from EEE dept conducted MBD Training.

# Faculty Achievements

- ◆ Mr. R. Guruswamy, Associate Professor reviewed a manuscript for the Journal of the Chinese Institute of Engineers - Web of Science research Journal on 2<sup>nd</sup> September 2024.
- ◆ Mr. M. Rupesh has completed his Ph.D Viva-voce at VTU, Belgaum on 14<sup>th</sup> Sept 2024
- ◆ Mr. R. Guruswamy, Associate Professor from EEE dept. presented at online international conference on Recent developments in Science, Engineering and Technology - 2024 on the Event of National Engineer's day, 15<sup>th</sup> September 2024 of the papers titled:
  - ◆ A) Beyond the Battery: Innovative Energy Storage Solutions for Electric Vehicles, Mr. Guruswamy Revana, Ms. Vankudothu Jayasri (23WH5A0206) and Ms. Suppala Hasini (22WH1A0245)
  - ◆ B) The Future of Electric Vehicles: Beyond Batteries and Fuel Cells; Mr. Guruswamy Revana, Ms. Kadarla Aishwarya (22WH1A0234) and Ms. Lakavath Shailu (22WH1A0214).
  - ◆ C) Advances in Renewable Energy Integration for Enhancing Energy Efficiency in Smart Grids, Mr. Guruswamy Revana, Ms. Haswitha Reddy (22WH1A0244) and Ms. Lingampeta Nishitha (22WH1A0248)
  - ◆ D) AI and Machine Learning for Optimizing Clean Energy Consumption and Energy Efficiency, Mr. Guruswamy Revana, Ms. Jonnana Poojitha (22WH1A0214) and Ms. Buddutha Mamatha (22WH1A0204).
- ◆ Mr. R. Guruswamy, Associate Professor from EEE dept. reviewed Paper for the International Conference IEEE International Conference on Intelligent Systems, Smart and Green Technologies on 26th September 2024.
- ◆ Mr. R. Guruswamy, Associate Professor from EEE dept. delivered talk at Information Technology Institute, Vietnam National University, Hanoi on 26th September 2024.
- ◆ Mr. R. Guruswamy, Associate Professor from EEE department Conducted DEEPTHA, EEE department Technical association event on "Electrifying Minds: A presentation contest on Pioneers of Electrical Engineering" on 28th September 2024.

- ◆ Dr. Ch. Sunil Kumar, Professor, Dr. R. Manoj Kumar, Assistant Professor, Ms. Babita Gupta, Assistant Professor Visited TG Transco (GIS Station) along with II EEE Students on 26<sup>th</sup> October 2024.
- ◆ Mr. Ch. Krishna Reddy, Assistant Professor Altium 365 Training Bundle completed certification program on October 23, 2024
- ◆ Mr. Ch. Krishna Reddy, Assistant Professor of EEE dept certified on PCB from Altium.
- ◆ Mr. R. Guruswamy, Associate Professor from EEE dept has published **Patents titled Smart System for Enhanced Vision in Facial Recognition Attendance with Application No 202441083939, Date: 8th Nov 2024.**
- ◆ Mr. M. Sandeep kumar, Assistant Professor completed an Altium approved program of study and assessment and fulfilled the requirements for the "Altium 365 Training Bundle" program on 11.11.2024.
- ◆ Mr. C. Krishna Reddy, Assistant Professor completed on "Project-Based Learning with Low-Cost Hardware Using MATLAB Online" by Mathworks on 13-11-24 to 14-11-24.
- ◆ Ms. B. Sujatha, Associate Professor completed the NPTEL Online Certification on Sustainable Energy Technology offered by IIT Hyderabad, on 15<sup>th</sup> November 2024.
- ◆ Mr. M. Sandeep kumar, Assistant Professor completed the NPTEL Online Certification on "Electronic Systems Design: Hands-On Circuits and PCB Design with CAD Software" and awarded with **Elite** Certificate on 15.11.2024.
- ◆ Dr. Ch. Sunil Kumar, Vice Principal and Professor completed the NPTEL Online Certification on Sustainable Energy Technology offered by IIT Hyderabad, on 15<sup>th</sup> November 2024.
- ◆ Dr. Ch. Sunil Kumar, Vice Principal and Professor completed the NPTEL Online Certification on Sustainable Power Generation Systems offered by *IIT Guwahati*, achieving a score of 65% on 16<sup>th</sup> November 2024.
- ◆ Ms. B. Sujatha, Associate Professor completed the NPTEL Online Certification on Sustainable Power Generation Systems offered by IIT Guwahati, achieving a score of 57% on 16<sup>th</sup> November 2024.
- ◆ Mr. Ch. Krishna Reddy, Assistant Professor Attending MathWorks Hyderabad Community Day on "Innovate & Integrate: Exploring AI and IoT in Engineered Systems Organized by MathWorks Hyderabad on 30<sup>th</sup> Nov 2024.
- ◆ Dr. K. Amritha, Associate Professor Participated in the AICTE Recognized Faculty Development Programme Organized by Curriculum Development Centre Department of NITTTR on 25/11/2024 to 29/11/2024.
- ◆ Ms. B. Sujatha, Associate Professor review in Journal of Scientific Research and Reports for the manuscript "**Comparative Assessment of Green and Red Lasers for Long-Distance Light Intensity Detection Using Light Dependent Resistors**" date : 04-12-2024
- ◆ Ms. B. Sujatha, Associate Professor attended FDP on Renewable Energy Systems in Smart Grids scheduled in NIT, Warangal from December 6<sup>th</sup> to December 10<sup>th</sup>, 2024.
- ◆ Ms. K. Bhavya, Assistant Professor attended FDP on Renewable Energy Systems in Smart Grids scheduled in NIT, Warangal from December 6<sup>th</sup> to December 10<sup>th</sup>, 2024.
- ◆ Mr. Ch. Krishna Reddy, Assistant Professor attended on 2<sup>nd</sup> International conference on Intelligent and Sustainable power and energy systems in Dayananda sagar college of Engineering ,Bengaluru from 13<sup>th</sup> to 14<sup>th</sup> December 2024.
- ◆ Dr. R. Manoj kumar, Assistant Professor Attended an AICTE sponsored offline ATAL FDP on "smart cities of tomorrow: leveraging AI for urban sustainability" in HITAM, Hyderabad from 16-12-2024 to 21-12-2024.

...The Techno Spark

# Toppers

Second Year First Semester topper for the Academic Year 2024-25



PATLOLLA SHRAVANI  
(23WH1A0225)  
10CGPA

Third Year First Semester topper for the Academic Year 2024-25



CHINDE AISHWARYA  
(23WH5A0202)  
9.15CGPA

Fourth Year First Semester topper for the Academic Year 2024-25



BASAMGARI AKHILA  
(21WH1A0245)  
9.29 CGPA



# Placements for 2021 Batch

## Capgemini



Sanapala Sai Jahnavi  
(21WH1A0213)



P. Sai Pranathi  
(21WH1A0215)



B. Yukthakshary  
(21WH1A0219)



Soma Asriya  
(21WH1A0223)



D. Khyathi  
(21WH1A0224)



N. Akshitha  
(21WH1A0225)



B. Amulya Rani  
(21WH1A0226)



P. Poojitha  
(21WH1A0228)



G. Poojitha  
(21WH1A0231)



M. Sowmya  
(21WH1A0232)

## Wipro



K. Tinasaisri  
(21WH1A0234)



T. Anupriya  
(22WH5A0206)



A. HARishitha  
(22WH5A0216)



Ponnaganti Sri Bhargavi  
(21WH5A0211)



# Infosys



K. Anusha  
(21WH1A0204)



K. Unnatha  
(21WH1A0227)



MASHETTI ABHINAYA  
(22WH5A0202)

## TVS Motors



Sanapala sai Jahnavi  
(21WH1A0213)

## TINY TACTICS



Y. Anusha  
(21WH1A0242)