

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

Plot No. 8-5/4, Rajiv Gandhi Nagar
Colony, Nizampet Rd, Bachupally,
Hyderabad-500090

Phone: +9140 42417773

Email:

principal@bvrithyderabad.edu.in

Info@bvrithyderabad.edu.in



Department of Electrical &
Electronics Engineering

July 2023, Volume 10, Issue 1

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

Editorial Board:

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

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.**

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 a 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 vivacious and provide continuous learning. I extend my warm wishes to all budding Electrical Engineers

Faculty information



Ms. P. Subhashitha
M.Tech,
Assistant Professor
DoR: 31-05-2023



Mr. C. Krishna Reddy
M.Tech, (Ph.D)
Assistant Professor
DoJ: 06-03-2023

- ◆ Dr. R. Manojkumar, Assistant professor conducted **PROCURE** event for MEDHANVESH-2023 on 24th Feb & 25th Feb 2023.

- ◆ Mr. R. Guruswamy, Associate Professor & Ms. B. Sujatha, Associate Professor Conducted workshop on "Introduction to Arduino and its applications" 12th and 13th March for II-year I-Semester VEDIC.



Events organized

Guest Lectures

- ◆ A Guest lecture by Mr. Shankar, (EV Texport, & Works Manager MG Motors) organized on 22-06-2023 for 2nd year students, for the Topic “ Battery Management System on Electric Vehicles”,.

- ◆ Dr. R. Manojkumar, Assistant Professor R&D coordinator works for R&D Showcase held on 06.05.2023.

- ◆ Ms. Babita Gupta, Assistant Professor Conducted Flameless cooking competition on 6th march 2023 on the occasion of **Women's Day Celebration**.

Workshops

- ◆ EEE Department has organized an awareness program on “Understanding Climate Change and Corrective Action” on 21st January 2023. Speaker: **Prof. Chetan S Solanki**, Professor IIT Bombay, Founder of Energy Swaraj Foundation, Brand Ambassador of Solar Energy, Govt. of MP, "Solar Man of India".



...The Techno Spark

Industrial Visits

- ◆ All the III Year EEE students have visited SLDC, TS Transco, Vidyut Soudha, Khairatabad, Hyderabad in two batches as a part of local tour on 10th & 11th January 2023. (Ms. Babitha Gupta & Mr. PL Srinivasa Rao accompanied the students on 10th January 2023. Mrs. K. Bhavya and Mr. T. Ravi Kumar accompanied the students on 11th January 2023).



- ◆ All the II Year EEE students have visited KPTEL, Sri Kanyaka Parameshwari Engineering Pvt. Ltd, Rudraram, Sanga Reddy Dist, as a part of local tour on 17th February 2023. (Mrs. K. Bhavya, Mr. M. Sandeep Kumar & Mr. P.N. Ramulu accompanied the student



- ◆ Ms. D. Khyathi bearing Roll No 21WH1A0224 and Ms. K. Unnatha bearing Roll No 21WH1A0227 studying II Year II Sem got an internship at **EDODWAJA PVT LTD** on 23rd June 2023 with a duration of 26th June 2023 to 23rd September 2023 with stipend of 6000 per month with support of Mr. R. Guruswamy, Associate. Prof, EEE and Mr. G. Sandeep, Associate. Prof, EEE.

Students Participations

- ◆ Twelve Students from III year II Sem participated in **Aquaton** which was conducted on 22nd Feb 2023
- ◆ Ms. P. Hasini bearing Roll. No 22WH5A0201 and Ms. G. Divya bearing 22WH5A0219 studying II Year I Sem secured first prize in the event **Circuitrix (MEDHANVESH 2023)** conducted by BVRITH from 24th Feb 2023 to 25th Feb 2023
- ◆ There are 13 participants, 2 winners (15 in total) from II Year I Sem and 4 participants from III Year II Sem in the event **Circuitrix (MEDHANVESH 2023)** conducted by BVRITH from 24th Feb 2023 to 25th Feb 2023.
- ◆ Ms. D. Khyathi bearing Roll. No 21WH1A0224, Ms. P. Supriya bearing Roll. No 21WH1A0216 and Ms. Y. Rakshitha bearing Roll. No 21WH1A0247 studying II Year I Sem secured Second prize in the event **Procreate (MEDHANVESH 2023)** conducted by BVRITH from 24 Feb 2023 to 25th Feb 2023.
- ◆ Ms. Annam Bhuvaneshwari bearing roll no. (20WH5A0203) and Angala Akhila bearing roll.no (19WH1A0244) participated in paper presentation on Solar-Wind Hybrid Power Generation conducted by Rajeev Gandhi Memorial College of Engineering & Technology Anantapuramu.

- ◆ Total twenty four students from II EEE attended Workshop on Hacking conducted by IIIT Hyderabad at 18th March 2023 accompanied by Mr. R. Guruswamy, Assoc. Prof, EEE .

Students Achievements

- ◆ Nine Students from III year EEE participated in **Anveshna-2023 Sciences & Engineering fair** on 8th to 11th Feb 2023, Hyderabad.

- ◆ Ms. C. Bhavana Reddy bearing Roll. No 21WH5A0203 studying III Year II Sem participated in the events **Procreate and Smart idea challenge (MEDHANVESH 2023)** conducted by BVRITH from 24th Feb 2023 to 25th Feb 2023.
- ◆ Ms. Shaik Nafeesa Khaisar bearing Roll. No 20WH1A0236 studying III Year II Sem participated in the events **Procreate and Smart idea challenge (MEDHANVESH 2023)** conducted by BVRITH from 24th Feb 2023 to 25th Feb 2023
- ◆ Overall, there are 2 participants, 3 winners (5 in total) from II Year I Sem and 4 participants from III Year II Sem in the event Procreate (MEDHANVESH 2023) conducted by BVRITH from 24th Feb 2023 to 25th Feb 2023.
- ◆ There are 2 participants from III Year II Sem in the event **Smart idea challenge (MEDHANVESH 2023)** conducted by BVRITH from 24 Feb 2023 to 25 Feb 2023.
- ◆ Ms. P .Poojitha bearing Roll. No 21WH1A0228 studying II Year I Sem participated in the events **Poster presentation and Bazinga (MEDHANVESH 2023)** conducted by BVRITH from 24th Feb 2023 to 25th Feb 2023.
- ◆ Ms. A. Sony bearing Roll. No 20WH1A0201 studying III Year II Sem participated in the event **Code Combat (MEDHANVESH 2023)** conducted by BVRITH from 24th Feb 2023 to 25th Feb 2023.
- ◆ Ms. Kethavath Renuka bearing Roll. No 20WH1A0225 studying III Year II Sem participated in the event **Code Combat (MEDHANVESH 2023)** conducted by BVRITH from 24th Feb 2023 to 25th Feb 2023.
- ◆ Ms. P. Snehalatha bearing Roll. No 20WH1A0210 studying III Year II Sem participated in the event **Code Combat (MEDHANVESH 2023)** conducted by BVRITH from 24th Feb 2023 to 25th Feb 2023.
- ◆ Ms. V. Muktha (21WH1A0201), Ms. K. Anusha (21WH1A0204), Ms. S. Sai Jahnvi (21WH1A0213), Ms.P.Supriya (21WH1A0216), Ms.G. Trishma (21WH1A0230), Ms.Y. Rakshitha (21WH1A0247) studying II Year I Sem attended a Quiz on the occasion **World Water Day** conducted by **Dr. Reddy Labs** on 21st March 2023.
- ◆ Ms. Veerannagari Muktha bearing Roll.No 21WH1A0201, Ms. CH. Keerthi bearing Roll. No 21WH1A0212, Ms.Sanapala Sai Jahnvi bearing Roll. No 21WH1A0213, Ms. P. Sai Pranathi bearing Roll. No 21WH1A0215, Ms. Pathuri Supriya bearing Roll. No 21WH1A0216, Ms. Gunji Poojitha bearing Roll. No 21WH1A0231, Ms. Kandi Tina Sai Sri bearing Roll. No 21WH1A0234, Ms. Yella Rakshitha bearing Roll. No 21WH1A0247, Ms. Chinthanoori Shivani bearing Roll .No 22WH5A0211 studying II Year I Sem attended formula e success event conducted by BVRIT College management and organizers of **FIA Formula e World Championship from 5th to 6th March 2023** under the mentorship of Mr. M. Rupesh, Assistant Professor, EEE.
- ◆ Ms. N. Akshitha (21WH1A0225), Ms.K. Unnatha (21WH1A0227) Ms. M. Sowmya (21WH1A0232),Ms. Sd. Rizwana Begum (21WH1A0240) studying II Year I Sem participated in VIDYUT 2023 by Vardhaman College of Engineering on 24th March 2023.
- ◆ Ms. M. Nikshiptha (20WH1A0215), Ms. B. Pragnya Angel (20WH1A0211), Ms.Ch. Preethi. (20WH1A0238), Ms. A. Pavani (21WH5A0209) studying III year II Sem EEE participated in Pals Innawah finals on 24th March 2023.
- ◆ A. Navya (20WH1A0241), Snehalatha (20WH1A0210), T.Mounika (21WH5A0210) studying III-year II-Sem EEE participated in 30 hours hackathon conducted in GITAM University on 5th and 6th April 2023.
- ◆ Total twenty four students from II EEE attended Workshop on Hacking conducted by IIIT Hyderabad at 18th March 2023 accompanied by Mr. R. Guruswamy, Assoc. Prof, EEE .

Placements

- ◆ Nineteen Students from IVth EEE got placed in Capgemini with 4.25 LPA.
- ◆ Ms. M. Thanmai (19WH1A0228) got Placed in Capgemini with 5.5 LPA.
- ◆ Ms. P.Pooja Chaturya (19WH1A0205) & Ms.Md. Zeenath Firdhose (19WH1A0205) from IV year got placed in Genpact with 4.17 LPA.
- ◆ Ms. T. Greeshmika bearing Roll.No. (20WH5A0201) from IV year I Sem got placed in Hash Insert with 4.5 LPA.
- ◆ Ms. P. Sneha bearing Roll.No. (19WH1A0229), Ms. A. Harshini bearing Roll No.(20WH5A0214) and Ms. M. Vasavi bearing Roll No.(19WH1A0212) got placed in HCL with 4.25 LPA.
- ◆ Ms. B. Soniya (19WH1A0223), Ms. B. Neeraja (19WH1A0230) & Ms. A. Nithya Sri Harshini (19WH1A0224) are students from IV year EEE got placed in LLTS with package of **4.0 LPA**.
- ◆ Ms. Zeenath bearing (19WH1A0238), Ms. Ch. Likitha bearing Roll.No. (19WH1A0243), Ms.Vaishnavi bearing Roll.No. (20WH5A0202), Ms. Akshitha bearing Roll.No. (20WH5A0208), Ms. Deepthi K bearing Roll.No. (19WH1A0241) from IV EEE for getting placed in PWC with internship stipend Rs. 35000 per month and FTE Salary 6 LPA.
- ◆ Mr.R. Manojkumar Assistant Professor in EEE department Preparing a book chapter proposal for Elsevier book titled "Power System Operation with 100% Renewable Energy Sources".
- ◆ Mr. R. Maonjkumar, Assistant professor from EEE submitted review for IEEE systems journal paper.
- ◆ Mr. R. Manojkumar, Assistant Professor reviewed IEEE Smart grid webinars titled a) Voltage and Frequency Control in Renewable-Rich Power Grids, b) Interconnection of Inverter-Based Resources–Power Quality Aspects.
- ◆ Mr. R. Manojkumar, Assistant Professor Working on a research paper in collaboration with IITG colleagues and researcher from Iran
- ◆ Dr. R. Manojkumar, Assistant Professor Submitted a manuscript in collaboration with Iran and Canada researchers to MDPI machines
- ◆ Dr. R. Manojkumar, Assistant Professor become a Reviewer of two Elsevier journal – one is Applied Energy and International Journal of Electrical Power and Energy Systems.
- ◆ Dr. Ch.Sunil Kumar, Professor & Vice Principal attended Review Meeting with NIRF Team - SVES - Citation and Publication process Review on 25th January 2023.
- ◆ Dr. R. Manojkumar, Assistant professor Submitted review of paper of International Journal of Electrical Power and Energy Systems titled "A Bi-level Optimization Method for Voltage Control in Distribution Networks Using Batteries and Smart Inverters with High Wind and Photovoltaic Penetrations.

Faculty Achievements

- ◆ Mr.R.Manojkumar awarded doctorate from the Electronics and Electrical Engineering Department, Indian Institute of Technology Guwahati on 20th January 2023.
- ◆ Mr. R. Manojkumar, Assistant Professor reviewed a webinar of IEEE Smart grid.
- ◆ Mr. R.Guruswamy, Associate Professor certified of outstanding performance in student mentoring at VEDIC Conclave 2K23 on 24th April 2023.
- ◆ Dr. R. Manojkumar, Assistant Professor Submitted review of paper of Applied Energy titled "Towards optimal customized electricity pricing via iterative two-layer optimization for consumers and prosumers".

Toppers

Second Year second Semester topper for the Academic Year 2022-23



Ms.MADARI VARSHINI
(22WH5A0217)

Third Year Second Semester topper for the Academic Year 2022-23



Ms.NISHTALA HARINI
(20WH1A0205)

Fourth Year Second Semester topper for the Academic Year 2022-23



Ms.K JHAHNAVI
(19WH1A0210)



Ms.KOKKULA SHIVANI
(19WH1A0225)

Placements for 2019 Batch

Capgemini



Ms.M.Thanmai
(19WH1A0228)

Genpact



Ms.P.Pooja Chaturya
(19WH1A0205)

HCL



Ms.P. Sneha
(19WH1A0229)



Ms.Harshini
(20WH5A0214)



MsM.Vasavi
(19WH1A0212)

FTE



Ms.Zeenath
(19WH1A0238)



Ms.Ch. Likitha
(19WH1A0243)



Ms.Vaishnavi
(20WH5A0202)



Ms.Akshitha
(20WH5A0208)



Ms.Deepthi K
(19WH1A0241)

LLTS



Ms.B. Soniya
(19WH1A0223)



Ms.B. Neeraja
(19WH1A0230)



Ms.A.Nithya Sri
Harshini

Hash Insert



Ms.T.Greeshmika
(20WH5A0201)