



Bhoj Reddy Engineering College for Women



(Sponsored by Sangam Laxmibai Vidyapeet, Accredited by NAAC with Grade A and Approved by AICTE and Affiliated to JNTUH)
Vinaynagar, I S Sadan Crossroads, Hyderabad – 500 059, Telangana

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Department of Electrical and Electronics Engineering



Website: www.brecw.ac.in

About BRECW

The College was established in 1997. It is managed by an executive committee consisting of persons with long experience in the field of education. Within a short period, it has emerged as one of the premiere engineering colleges in the state.

Vision

BRECW develops confident and articulative young women into dynamic Engineers equipped with skills, knowledge, values and an attitude to contribute to the society.

Mission

BRECW is committed to providing a challenging, enriching, safe and supportive technical learning environment through its core values of responsibility, respect and compassion.

Fosters intellectual, spiritual and personal development of young women so that they develop the tools necessary to lead meaningful lives.

Offers academic curriculum along with an extensive co-curricular program with the support of dedicated staff who ensure that students identify their strengths and develop their skills such as teamwork, leadership, creativity and entrepreneurship.

Develops independent, adaptable thinkers with a passion for learning, courage to take risks and initiative to apply what is learned.



Founders of Sangam Laxmibai Vidyapeet



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About EEE

The EEE branch offers a wide variety of employment opportunities to its graduates. They can choose a career in Electronic Power Systems, Power Electronics, Electronics and Software, etc. Electrical and Electronic Engineering is an exciting and dynamic field. Electrical engineers are responsible for the generation, transfer and conversion of electrical power, while electronic engineers are concerned with the transfer of information using radio waves, the design of electronic circuits, the design of computer systems and the development of control systems such as aircraft autopilots. These sought-after engineers can look forward to a rewarding and respected career. A number of jobs in public and private sectors are open to them. The department has well-established labs as per norms of the JNTUH.

The department continues to add special equipment to the Projects Lab for carrying out better projects within the college.

Vision

To develop effective and ethical young women graduates in Electrical and Electronics Engineering for strengthening the society.

Mission

- » To provide innovative electrical techniques that contribute to the socio-economic growth with values of compassion and responsibility.
- » To imbibe overall development of electrical women engineers towards leading fruitful lives.
- » To create a transformative educational experience for students focused on multi-disciplinary knowledge, leadership, and entrepreneurship.
- » To impart application-oriented knowledge and inculcate analytical thinking to solve technological problems in the industry.



Programme Outcomes (PO's)

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 life-long learning in the broadest context of technological change.

Program Education Objectives (PEO's)

PEO I: Exhibit strong knowledge in basic sciences and electrical engineering enabling them to analyse, design and provide solutions for energy related complex problems by applying appropriate techniques.

PEO II: Demonstrate their technical, communication and leadership skills in professional environment or as entrepreneurs with social responsibility.

PEO III: Develop ethical values and aptitude for life-long learning that enables them to stay abreast with latest technology needed for successful professional career.

Program Specific Outcomes (PSO's)

PSO I: Facilitate technical solutions for different power issues to maintain the stability and reliability of power systems.

PSO II: Understand the computational tools / methods for designing, analysing and controlling the various electrical drives, power electronic converters used in industry.

Principal's Message



Dr J Madhavan
M.E, Ph.D, MISTE, MIE
Principal

Dear Students,

Empowerment of girl students for their versatile progress through education is our cherished motto. BRECW is established to create, nurture, and shape technical professionals and leaders to create an inclusive and sustainable society in a national and international perspective.

At BRECW, Students are provided with opportunities for interaction with the experts from the Industry through Guest Lectures, Industrial Visits, Vocational Training (internships), Seminars and Workshops, etc. To align with the curricula, we have excellent faculty, state-of-the-art infrastructure and laboratories. Spacious green campus, good library and peaceful atmosphere ensures that learning becomes a wonderful experience.

At BRECW we ensure students to get the best start to their future career so that they could become smart and responsible citizens of our glorious country.

HOD's Message



Mrs S Deepti
M.E(PS), LMISTE
HOD-EEE

On behalf of our faculty, it is my privilege to welcome all of you to the Department of Electrical Engineering at Bhoj Reddy Engineering College for Women. We take pride in our faculty, a team of highly capable and dedicated professionals, most of whom have academic experience and degrees from leading universities. We provide ample opportunities to our students, through in-house trainings, workshops and trainings outside the college campus for further growth and development in their areas of expertise.

We at EEE Department are committed with the following objectives.

- The Department has taken up the task of developing competent Electrical engineers of high quality, capable of facing various challenges of the power situation in the country.
- To produce graduates with the necessary background and scientific skills to work professionally in several fields in particular with IT Industries and Power sectors.
- To train and encourage the graduates for personal and professional success with awareness and commitment to their ethical and social responsibilities, both as individuals and in team environments.

EEE Merit Awards

Left to Right: K Umarani, B Dhana deepika, S Mayuri, S Asha Kiranmai, S Deepthi, K Gracy Saila Sree, R Divya, Dr Sujatha Gangadhar, R Manju Bhargavi, J Ashwini Kumari, Ch Sravani Rakasi Divya , Roll No. 20321A0208, Batch 2020-24 won the Gold Medal in B.Tech Electrical and Electronics Engineering stream for being best outgoing student with highest CGPA 8.44 in Bhoj Reddy Engineering Colleg for Women.



Presenting Silver Medal to J Hari Prasanna

J Hari Prasanna presenting her speech

J Hari Prasanna, Roll No. 21325A0203, Batch 2020-24 won the Silver Medal in B Tech Electrical and Electronics Engineering stream in Bhoj Reddy Engineering College for Women.

JIJNASA Technical event

As part of the national-level technical event JIJNASA-2024 held on April 1st 2024, 9:00 AM to 4:30 PM, the EEE department organized various paper presentations, poster presentations, working models, and guest lectures for participants from different colleges of UG and PG.



Paper Presentation



Students Presentation

Judges and coordinators

The forenoon session started with paper presentations in specified topics at NBG12 from 11.00 to 12.30 and 14:00 to 16:00 on April 1st, 2024. Participants presented their ideas within the given time using Microsoft power point. For paper presentation, 10 minutes duration was allotted to each paper (8 minutes for oral presentation and 2 minutes for queries).

Working Models

The event serves as a platform for students, UG or PG or Diploma Students only. Cross-college teams are allowed to showcase their innovations, research projects, and working models in various domains of electrical and electronics engineering. The event covers a wide range of topics within the EEE field, including but not limited to: power systems and renewable energy, control systems and automation, Robotics and automation, Internet of things and wearable technology.



Working model presentations by students

Working Model Winners



3rd Prize winners: P Shivani, P Poojitha, A Poojitha, A Jyothi, BRECW

Poster Presentation

This contest is open for all. This opportunity is open to UG or PG or Diploma Students only. Cross-college teams are allowed. Topics for Poster Presentation are Emerging topics in the field of Electrical Engineering. Maximum two participants are allowed for per team. Poster should be drawn on A3 sized sheet.



During Poster Presentation

Poster Presentation Winners



2nd Prize Winner-M Ram Vikas,TKR

2nd Prize Winner- L Pravalika and
K Jyotshna in Poster Presentation,
BRECW



1st Prize winner Sagarika and S Pooja in Paper Presentations, BRECW



During the Poster Presentation event



Participation certificates by External Judge



During valedictory ceremony Speaker Mr K Yakesh



Anveshana Student Achievements

We are happy to share the following:

Anveshana Science & Engineering Fair 2023-24 was organized on 29 February 2024 and 1 March 2024 at Vishweshwaraya Bhavan, Khairtabad.

A total of 9 teams (each team consists of 4 students - 2 Engineering EEE/ECE and 2 School) from BRECW-MHGHS has exhibited working models in the fair.

Few faculty from BRECW and MHGHS has accompanied the students. Two teams have won consolation prize and best 100 questions & answers prize. The management has sponsored the expenses (Banners, Travelling, Refreshments) to participate in the event. The HOD-EEE, HOD-ECE and Principal-MHGHS has coordinated excellently in achieving this success.



Standing [L-R]: J Karya, S Shireesha Vyshali, K Anusha



Standing [L-R]: C Vaishali, A S Hema, Prathika, C Srilatha



Standing [L-R]: Vyshali, K Anusha, J Karya, S Shireesha, Jyothi



Standing [L-R] J Hari Prasanna, B NiKitha, Parimala, V Akshya

Faculty Publications

1. S Deepti, A Sahithi, M Nandhini, G Lahari, A Pravalika, "Fire Fighting Robot", International Journal of analytical and experimental modal analysis, November 2024, ISSN NO: 0886-9367.
2. S Deepti, B Akshaya, A Sai Srija, S Gnaneshwari " Fire Protection Systems in Power Transformers" Journal of Interdisciplinary Cycle Research, November 2024, ISSN NO: 0022-1945.
3. Racharla Manju Bhargavi, G Sagarika, S Rakshitha, G Bhavya. "Biker's Safety Jacket", International Journal of Engineering & Science Research (JESR), October - December 2024, ISSN NO: 2277-2685.
4. Racharla Manju Bhargavi, S Pooja, M Geervani, G Mounika "Power Quality Improvement with Harmonic Filter Panels". The International journal of analytical and experimental modal analysis, December 2024, ISSN NO: 0886-9367.
5. S Asha Kiranmai, B Vishali, B Tanvika, A Poojitha "Smart Child Cradle", Bulletin for Technology and History Journal, November 2024, ISSN NO: 0391-6715.
6. S Asha Kiranmai, V Kavya, A Jyothi, D Pallavi "Analysis of Generator and Turbine Operations at KTPS Power Plant" Bulletin For Technology And History Journal, November 2024, ISSN NO: 0391-6715.
7. S Swathi, R Nandini, B Pranitha, P Srija "Agrobot For Pest Control" IJMECE, November ,ISSN 2321-2152.
8. S Swathi, A Sowmya, Harika, Farha Anjum" Automatic Control System At Hydral Power Plant" JESR , October - December ,ISSN 2277-2685.
9. S Mayuri, M Prasanna, Sani Azeem, K. Vijaya Lakshmi" Safety Stick for Farmers" Journal of Interdisciplinary Cycle Research, November 2024, ISSN NO: 0022-1945.
10. S Mayuri, A Manideepika , G Siri Chandana, P Poojitha "Manufacturing Process of Electrical Turbo Generators at BHEL "The International journal of analytical and experimental modal analysis, November 2024, ISSN NO: 0886-9367.
11. J Ashwini Kumari, K Sowbhagya, P Shivani, G Reshma "Power Generation Using Piezoelectric Effect "International Journal of Engineering & Science Research (JESR), October-December 2024, ISSN 2277-2685.
12. J Ashwini Kumari, N Priyanka, G Praneetha, K Usha "Accident Prevention System for Hilly Areas"
13. B Dhanadeepika, Pavani G, Abhinaya A, Sanjana S "Proactive Manhole Monitoring with Real-Time Alerts", The International journal of analytical and experimental modal analysis, November 2024, ISSN NO: 0886-9367.
14. K Uma Rani, K Shruthi, Punarvi Rochisha, Uppari Naveena, "Innovative Protection of Valuable Trees from Smuggling Using RFID Sensors", International Journal of Creative Research Thoughts (IJCRT), November 2024, ISSN: 2320-2882.
15. J Indu, A Ashwitha Reddy, M Siri Chandana, P Vasumathi, "Home Security Based on Laser Lightning System", International Journal of Creative Research Thoughts (IJCRT), November 2024, ISSN 2277-2685 .
16. Ch Shravani, M Laxmi Prasanna, B Ashwini, G Shreya, "Auto Control of Vehicle Speed", International Journal of Engineering & Science Research (IJESR), October-December 2024, ISSN 2277-2685.

Faculty Attended FDPs

S.No	Name of the Participant	Designation	Title of the FDP/Training Program	Dates (From - To)
1	S Deepti	Associate Professor, HOD-EEE	UGC Malaviya Mission Teacher Training Centre, NEP 2020 Orientation & Sensitization Programme-4	02-15 January 2024
2	R Manju Bhargavi	Associate Professor	One-week National Level Online FDP on "Aiming Towards 3D's in Electrical Engineering" Online FDP on "A Comprehensive FDP on Innovative Methods in Analytical Sciences" (11-15 March 2024) - One Week Online FDP on "New Trends in Power Electronics for Microgrids and Electric Vehicles (NTPEMEV-2024)" (22-27 January 2024) NEP 2020 Orientation & Sensitization Programme-5 under Malaviya Mission Teacher Training Programme (MMTTP) of UGC (16-31 January 2024)	11-15 March 2024 22-27 January 2024 16-31 January 2024 09-15 May 2024
3	Dr S Asha Kiranmai	Associate Professor	Short Term Training Program on "Emerging Trends in Control and Automation at Present Scenario" One-week National Level Online Faculty Development Programme on "Recent Trends in Power System Protection"	09-15 May 2024 11-15 January 2024

S.No	Name of the Participant	Designation	Title of the FDP/Training Program	Dates (From - To)
4	S Swathi	Assistant Professor	New Trends in Power Electronics for Microgrids and Electric Vehicles (NTPEMEV-2024)	22-27 January 2024
5	J Ashwini Kumari	Associate Professor	One Week National Level PDP on "Deep Learning for Computer Vision and its Applications" Online FDP entit. 4, "A Comprehensive Fdp On Innovative Methods In Analytical Sciences"	6-11 February 2024 11-15 March 2024
6	B Dhanadeepika	Associate Professor	Recent advancements in sustainable Solar Photovoltaic Power Technology	15-20 April 2024
7	Ch Shravani	Associate Professor	New Trends in Power Electronics for MICROGRIDS AND ELECTRIC VEHICLES (NTPEMEV-2024)	22-27 January 2024

Students Placement Data 2024

S.No	Name	Company name	Package
1	K Rakshitha	ANZ	14 LPA
2	Ch Renu sreeja	Alstom	6.8 LPA
3	P Anjali	Honeywell	8.5 LPA
4	Farha Naaz	Honeywell	8.5 LPA
5	J Hari Prasanna	Accenture	4.5 LPA
6	S Ashritha	Accenture	4.5 LPA
7	M Pallavi	ExcelR	5 LPA
8	G Nandhini	ExcelR	5 LPA

9	V Vaishnavi	ExcelR	5 LPA
10	AS Hema	Concentrix	3 LPA
11	B Lekhana	Concentrix	3 LPA
12	N Meghana	Concentrix	3 LPA
13	D Nikhitha	Concentrix	3 LPA
14	M Sathwika	Concentrix	3 LPA



Special Features of Bhoj Reddy Engineering College for Women

- Exclusively for women, with good discipline and security.
- Women Protection Cell and Anti-Sexual Harassment Cell are established.
- Centrally located and well connected by RTC bus services to various parts of the twin cities.
- The college is just 4 kms from Koti Bus Stop.
- Housed in buildings with a total plinth area of 20,000 square meters.
- Well-equipped and state-of-the-art laboratories as per the norms specified by JNTUH & AICTE.
- Cultural and co-curricular activities are encouraged for overall personality development of students.
- Technical Associations are formed to promote professional activities in each department.
- Practical training to the faculty and students during summer vacation.
- IEEE, ISTE, IETE, CSI student chapters are formed.
- Alumnae Association is formed to provide a forum for alumnae interaction.
- Post box facility is available within the campus.
- More than 90% of the final year students have taken up live problems from industries as their design projects.
- Well-designed classrooms with audio visual aids.
- Indoor and outdoor sports and games facilities.
- Banking facility is available adjacent to the campus.
- Sangam Laxmibai Vidyapeet, the sponsor of the college, is a non-profit organisation.
- Students are encouraged to write technical papers and to participate in seminars, workshops and conferences conducted by the college and other institutions.
- Private hostels exclusively for women are available within 200 meters of the campus.

Editors board

- Ms J Ashwini Kumari-Asst. Professor-EEE
- Bejugam Tanvika - IV EEE (21321A0234)
- Syeda Sana Fatima - III EEE (22321A0229)
- M Sai Priya - II EEE (23321A0225)
- L Sanjana - I EEE (24321A0237)

Address

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