



Bhoj Reddy Engineering College for Women



Sponsored by Sangam Laxmibai Vidyapeet, Approved by AICTE and Affiliated to JNTUH)
Vinaynagar, I S Sadan Crossroads, Hyderabad – 500 059, Telangana

ELECTRIKA

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Department of Electrical and Electronics Engineering



Website: www.brecw.ac.in

About BRECW

Bhoj Reddy Engineering College for Women is run by Sangam Laxmibai Vidyapeet, a registered voluntary social action group working since 1952 for empowerment of women and girls through education. The vidyapeet has more than 71 years of experience in the field of education.

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 premier 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 Gold Medalist

Prestigious moment of EEE student, Ms Amuktyamalyada receiving Gold medal and certificate from Hon'ble Governor Dr Tamilisai Soundararanjan



Left to right : JNTUH Vice -Chancellor Prof. Katta Narasimha Reddy, BRECW student K Amuktyamalyada, Hon'ble Governor Dr Tamilisai Soundararanjan, Dr Krishnaswamy Kasturiragan

Kondam Amuktyamalyada, Roll No. 18321A0204, Batch 2018-22 won the University Gold Medal in B.Tech Electrical and Electronics Engineering stream for being best outgoing student with highest CGPA 8.73 out of all affiliated Colleges in Jawaharlal Nehru Technological University, Hyderabad. She received Gold Medal in the XI Convocation of JNTUH on 18 March 2023.

Student Achievements

IV EEE students (Afreen and CH Tejaswi) exhibited their project at Anveshana Science and Engineering Fair- 2023 at Vishweshwaraya Bhavan, Khairatabad, Hyderabad from 9 - 11 Feb 2023, received participation certificates and medals from Shri K. Thiagarajan, Chief of Operation, Agastya International Foundation.



Left to right: Shri K Thiagarajan (CO), Ch Tejaswi (IV EEE), Nandini (X class), Navya (IX Class), Afreen (IV EEE)



Project team with Mrs S Deepti (HOD-EEE)



Project team with Mrs J Ashwini Kumari (Asst. Prof.)

National level technical fest at BVRIT College of Engineering for Women MEDHANVESH -2023

III EEE students (J Hari Prasanna & S Sireesha) received 3rd prize with a cash award of Rs 1000 in the poster presentation competition at national level technical event held at BVRIT College of Engineering for Women, Hyderabad on 24 - 25 February 2023.



Left to Right: S Sireesha & J Hari Prasanna Receiving Certificates from Vice Principal Dr Ch Sunil Kumar

National Level Technical Fest Techsonance 2K23 at Osmania University

II EEE students R Punarvi, G Pavani, A Sahithi and B Vishali won first prize(Certificate of merit, Memento and cash prize of Rs 750) in the poster presentation competition held at National Level Technical Fest Techsonance 2K23 during 5th and 6th May 2023 organized by Department of Electrical Engineering, UCE, Osmania University, Hyd



L-R : K Punarvi Rochisha, B Vishali, A Sahithi, G Pavani (II EEE)

National Level Technical Fest at Mahaveer Institute of Science and Technology

II EEE students G Pavani, A Sahithi and B Vishali won second prize (Certificate of merit, and cash prize of Rs 2000) in the paper presentation competition at National Level Technical Fest, on 24 June 2023 at Mahaveer Institute of Science and Technology



Left to Right: B Vishali, G Pavani & A Sahithi

National level technical fest DAKSHA-2K23 at Anurag University

National level technical DAKSHA-2K23 event held on 9 -10 March 2023 at Anurag University Hyderabad. M Geervani & G Lahari (II EEE students) received First prize in Poster Presentation. B Vishali & G Pavani (II EEE students) received Second prize in the Poster Presentation. N Priyanka & A Sowmya (II EEE students) received First prize in Circuit Mania. B Tanvika & P Harika Reddy (II EEE students) received Second prize in the Circuit Mania.



L-R : A Sowmya & N Priyanka

L-R : B Tanvika & P Harika Reddy Solving Circuit

National level technical fest at Aurora Technology and Research Institute

III EEE student (Ch Renu Srijia) won second prize in the Paper Presentation competition and II EEE students (Sruthi & Naveena) won second prize in the Circuit Debugging competition at National Level Technical event held at Aurora Technology and Research Institute, Hyderabad on 15 - 17 June 2023.

Siri Chandana (II EEE), Geervani (II EEE) and Sai Geetha ((I EEE) won first prize and Srijia (II EEE), Pravallika (I EEE) and Jyotshna ((I EEE) won second prize in the Poster Presentation competition at National Level Technical event held at Aurora Technology and Research Institute, Hyderabad on 15 - 17 June 2023.



Ch Renu Srijia (III EEE) presenting PPT



Left to Right Sruthi & Naveena



L-R M Siri Chandana, M Geervani and M Sai Geetha



Left to Right P Srijia, Pravallika and K Jyotshna

National Level Technical Fest at Siddhartha Institute of Engineering

II EEE students A Sahithi and Sai Srija won first prize in the Poster Presentation competition and G Pavani, K Punarvi, B Akshaya and B Vishali won second prize in the Live Project Exhibition at National Level Technical event held at Siddhartha Institute of Engineering & Technology, Hyderabad on 21 December 2023.

II EEE students T Vandana, M Geetha, T Mounika and V Mehak participated in paper presentation and received participation certificates.



left to Right G Pavani, K Punarvi Rochisa,
B Akshaya, B Vishali (II EEE)

Left to Right A Sai Srija, A Sahithi (II EEE)

Faculty Publications

1. S Deepti, N Sushmitha, T Nishitha, “Water Level Monitoring, Controlling and Alerting system in Dams using DTMF Technology”, International Journal of Research, May 2023, ISSN NO:2236-6124,UGC
2. S Deepti, M Jyothi, K Krupani, “Implementation of Solar PV-Battery and Diesel Generator Based Electric Vehicle Charging Station”.The International journal of analytical and experimental modal analysis, May 2023, ISSN NO: 0886-9367
3. Racharla Manju Bhargavi, D Siri Chanadana, S Lavanya, “Clap Sensor Based Control of Light and Fan”, International journal of analytical and experimental modal analysis, April 2023, ISSN NO: 0886-9367 from Page No: 1116-1125
4. Racharla Manju Bhargavi, N Divya, Y Archana, “ENERGY EFFICIENT BASED POWER SYSTEM”, International journal of analytical and experimental modal analysis, May 2023, ISSN: 0886-9367
5. S Asha Kiranmai, K Usha, K Haritha, “PLC-BASED AUTOMATIC WASHING MACHINE”, Journal of Interdisciplinary Cycle Research, April 23, 0022-1945
6. S Asha Kiranmai, M Lavanya, N Lavanya, “Buck–Boost AC–AC Converter with Inverting and Noninverting operations”, The International journal of analytical and experimentalmodal analysis, May 23, 0886-9367
7. S Asha Kiranmai, G Swathi, K Keerthi, “Speed Control of Single Phase Induction Motor using Voice Commands”, International Journal of Research, April 23, ISSN NO:2236-6124
8. S Swathi, A Srihitha, G Jyothi, “Tri-Axial Accelerometer based Ambient Assisted System using IoT”, International Journal of Research, April 23, 2236-6124
9. S Swathi, N Lakshmi Priya, Ch Sriharsha, “Active and Reactive Power Control of Single Phase Transformer Less Grid Connected Inverter with Distributed Generation System”, Journal of Information and Computational Science, May 23, ISSN: 1548-7741
10. S Swathi, D Tejaswi, B Divya, “Design and analysis of high gain modified sepic converter for photovoltaic applications”, Journal of Interdisciplinary Cycle Research, April 23, 0022-1945
11. S Mayuri, E Ruchitha, Mohd.Reshma, “New bidirectional intelligent semiconductor transformer for smart Grid application”, IJR, May 23, ISSN No: 2236-6124
12. J Ashwini Kumara, Ch Tejaswi, Afreen, “Gesture Controlled Light Dimmer”, Journal of Interdisciplinary Cycle Research, April 23, 0022-1945
13. B Dhanadeepika, P Sahithi, R Mounika, “Regenerative Braking Of Electric Vehicle Driven By a BLDC Motor Using Modified Direct Torque Control and Adaptive Control Theory”, Journal of Information and Computational Science, May 23, 1548-774
14. K Umarani, G Bhoomika, V Akashya, “Standalone and Photovoltaic Water Pumping System using Induction Motor Drive with Reduced Sensors”, Parishodh Journal, May 23, 2347-6648

Faculty Attended FDPs

S.No.	Name of the Participant	Title of the FDP /professional development / administrative training program	Dates
1	S Deepti	One week online FDP on 'Artificial Intelligence and Machine Learning Applications in Engineering' at BRECW in Collaboration with NIT Warangal	20 Feb- 01 March 2023
2	S Swathi	One week online FDP on 'Artificial Intelligence and Machine Learning Applications in Engineering' at BRECW in Collaboration with NIT Warangal	20 Feb- 01 March 2023
3	R Manju Bhargavi	One week FDP on " Recent Trends in Cognitive Science & its Applications" at Department of CSE VNRVJIET in collaboration with Vikram University, Oriental University & IPS Academy	13-18 March 2023.
		One Week Online FDP on " Electric Vehicle Drive System" Department of Electrical and Electronics Engineering, JCE Velachery main road, Narayanapuram, Pallikaranai, Chennai	27 February to 04 March 2023
4	S Asha Kiranmai	One week FDP on Energy Harvesting Technologies organised at GCET	27 February to 04 March 2023

Enrichment courses

Integration of Renewable Energy sources with Electric Vehicle

Bhoj Reddy Engineering College for Women, Hyderabad has organized an add on Program on “Integration of Renewable Energy sources with Electric Vehicle “from 13/02/2023 to 18/02/2023. Our faculty J Indu, Assistant Professor, EEE department, extended welcome note for program to the participants. The Resource Person Mr. M Shankar, Coign Consultants Private Limited, Ballad Estates, Tarnaka, Secunderabad took over the session and gives the brief introduction to the Integration of Renewable Energy sources with Electric Vehicle.



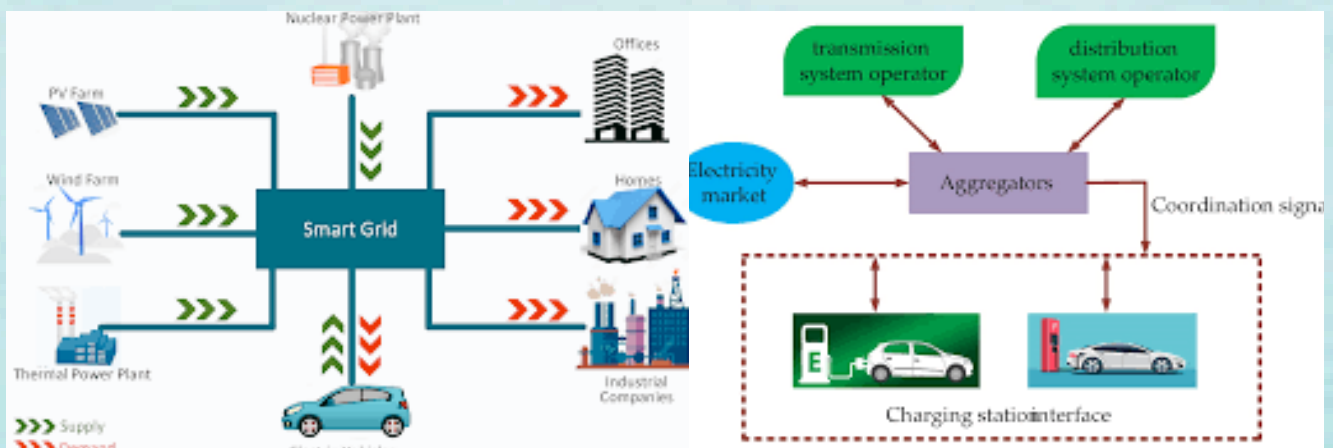
Mr.Shankar is delivering his lecture to students

In this Programme, the resource person explained about the Integrating renewable energy sources with electric vehicles (EVs) is a multifaceted and dynamic field that involves various aspects of technology, policy, and infrastructure. By installing solar panels or wind turbines at or near EV charging stations, it becomes possible to produce clean and sustainable energy on-site. Green Charging Infrastructure: EV charging stations powered by renewable energy sources contribute to reducing the carbon footprint associated with transportation.



This Session helped to clarify the students to help to understand the concepts of integrating renewable energy sources with electric vehicles (EVs). The students also participated different hands on experience of different projects.

All IV B Tech EEE students have attended the session and cleared the queries regarding electric vehicles. Ms S Deepti, EEE HOD expressed her sincere gratitude and appreciation to the Speaker .The whole programme is conducted by DEPT of EEE with the prior permission of the principal.



Students Placement Data-2023

Sl.No.	Name	Roll No.	Company Name	Package
1	Afreen	19321A0201	Cognizant	4 LPA
2	Talla Aishwarya	19321A0202	Savantis	3.6 LPA
3	Varikuppala Akshaya	19321A0203	Savantis	3.6 LPA
4	Yennam Archana	19321A0204	Savantis	3.6 LPA
			Standard Chatered Bank	8.25 LPA
5	Mamidi Bhavya Siri	19321A0205	DXC	4.2 LPA
			TCS	3.6 LPA
6	Bhoomika Ganji	19321A0206	Savantis	3.6 LPA
7	Chandrika Solleti	19321A0207	Accenture	4.5 LPA
8	Yadula dikshitha	19321A0209	Savantis	3.6 LPA
9	Divya Bhumandla	19321A0210	Savantis	3.6 LPA
10	Nukala Divya	19321A0211	CGI	3.93 LPA
11	Dandothkar DurgaBai	19321A0212	Sutherland	3.5LPA
12	Sangam Harshini	19321A0215	DXC	4.2 LPA
13	G. Jyothi	19321A0216	DXC	4.2 LPA
14	Jyothika Mali	19321A0218	DXC	4.2 LPA
			Accenture	4.5 LPA
15	Kavya Kolichelam	19321A0219	Savantis	3.6 LPA
16	Krupani katta	19321A0223	Savantis	3.6 LPA
17	Mohammad Reshma	19321A0227	Savantis	3.6 LPA
18	Ramavath Mounika	19321A0228	Sutherland	3 LPA
			Savantis	3.6 LPA
19	Niharika Badepally	19321A0229	DXC	4.2 LPA
20	T. Nishitha	19321A0230	DXC	4.2 LPA

Students Placement Data-2023

Sl.No	Name	Roll No.	Package	Company Name
21	Nithya santhoshi	19321A0231	3 LPA	Sutherland
22	Nithya santhoshi	19321A0231	3.6 LPA	Savantis
23	Edla Roshini	19321A0233	4 LPA	Cognizant
24	Parvathapuram Sahithi	19321A0235	4 LPA	Cognizant Digital
				Qspiders
25	Konda sai chandana	19321A0236	4.2 LPA	DXC
26	Sai Chandana Podeti	19321A0237	4.2 LPA	DXC
27	Addenki Sai teja sri	19321A0239	4.2 LPA	DXC
28	Saipriya kethavath	19321A0240	4 LPA	Cognizant
29	Sangeetha Banda	19321A0241	4.2 LPA	DXC
30	Singi Reddy Shikara Reddy	19321A0243	3.6 LPA	Savantis
31	K. Siri Chandana	19321A0244	3 LPA	Sutherland
32	Mallepally Soukhya	19321A0245	4.2LPA	DXC
33	Sowmya Vantakala	19321A0246	4 LPA	Cognizant
34	K. Spoorthi	19321A0247	4 LPA	Cognizant
35	D.Sri Chandana	19321A0249	3.6 LPA	Savantis
36	Akula Srihitha	19321A0251	4 LPA	Cognizant
			4.2 LPA	DXC
			4.5 LPA	Accenture
			3.6 LPA	Infytq
			15.45 LPA	ANZ Bank
37	Nalla Sushmitha	19321A0252	4.2 LPA	DXC
38	Godithala Swathi	19321A0253	4 LPA	Cognizant
			4.2 LPA	DXC
39	Bitla Swetha	19321A0254	3.6LPA	DeltaX
			3.6 LPA	CGI
40	C Tejasree	19321A0255	3.6 LPA	Savantis

Students Placement Data-2023

Sl.No	Name	Roll No.	Company Name	Package
41	Tejaswi choppari	19321A0256	HCL	4.25 LPA
42	D Tejaswi	19321A0257	Cognizant	4 LPA
			CGI	3.93 LPA
43	Usha Kotha	19321A0258	CGI	3.93 LPA
44	Veena Sravanthi	19321A0259	DXC	4.2 LPA
			Accenture	4.5 LPA
			TCS	3.6 LPA
45	Vishala Kache	19321A0260	DXC	4.2 LPA
46	Sulake Amrutha	20325A0201	DXC	4.2 LPA
47	Sahera Banu	20325A0204	Q spiders	
			Savantis	3.6 LPA
48	Kallepally Shruthika	20325A0205	Savantis	3.6 LPA
			Sutherland	3 LPA



Students Attendance & Merit Awards

Attendance awards to the students of I , II, III and IV B Tech

AY 2022-23, I Sem



Standing [L-R]: 1. Shivani Pattam 2. Sowmya A 3. Hema A S 4. Sai Abhignya Japala 5. Pravalika Kantekar 6. Harika Bodgum 7. Deepthi Reddy S 8. Tejasri Mogili 9. Pravalika L 10. Varsha Gogikar 11. Srishanthi Komatireddy
Sitting [L-R]: 1. Nandini R 2. Shruthi Katam 3. Moumita Nath 4. Priyanka Nayini 5. Punarvi Rochisha Ketha 6. Sushmitha Nalla 7. Tejasri Mediga 8. Sri Chandana Dasari 9. Sai Geetha Male 10. Rajeshwari Shanigaram 11. Jyothsna Korra 12. Sree Ratna Sama

AY 2022-23, II Sem



Standing [L-R]: 1. Pallavi Myaka 2. Nandhini M 3. Vaishali Chennouju 4. Bhavya Godumagadda 5. Pravalika Lankala 6. Haripriya Avula 7. Nandini Gangapuram 8. Anjali Potlapally 9. Nikitha Bonagiri 10. Vaishnavi Kappala 11. Meghana Nalimela 12. Jyothi Pulijala 13. Hema A
Sitting [L-R]: 1. Sai Abhignya Japala 2. Sowmya A 3. Priyanka Nayini 4. Punarvi Rochisha Ketha 5. Manusha Chennaboina 6. Moumita Nath 7. Srishanthi Komatireddy 8. Tejasri Mediga 9. Shruthi Katam 10. Sai Geetha Male 11. Rajeshwari Shanigaram

Merit Awards to students of I , II III and IV B Tech



Sitting [L-R]: 1. Pravalika Lankala 2. Srishanthi Komatireddy



Standing [L-R]: 1. Erasani Rishitha 2. Rakasi Divya 3. Lankala Pravalika 4. Sama Sree Ratna
Sitting [L-R]: 1. S Deepthi Reddy 2. Katam Shruthi 3. Korra Jyothsna 4. Komatireddy Srishanthi

Best Projects**1.Driver System for Electric Vehicle**

Divya Rakasi - 20321A0208, Pragna Sree Gyara - 20321A0225, Akshaya Kurella - 20321A0203
Ch Vaishali - 20321A0240, A S Hema - 20321A0210, B Gokula 20321A0209

Abstract:

The drive system for Electric Vehicles (EVs) is a critical component responsible for propelling the vehicle using electric power. In simple terms, an electric vehicle drive system includes an electric motor, a power controller, and a battery. The electric motor converts electrical energy from the battery into mechanical energy to drive the wheels, while the power controller manages the flow of electricity between the battery and the motor. This system eliminates the need for traditional internal combustion engines and relies on clean, sustainable energy sources. The simplicity lies in the direct conversion of electrical energy into motion, contributing to a more environmentally friendly and energy-efficient mode of transportation. The concerns about the petrol reserves and prices, as well as pollution and global warming issues have increased the interest on electric vehicles. The governments have started to provide more incentives and, private companies have concentrated on electric vehicle development projects. Recently however, Plug-in Hybrids (PHEV) and all (EV) seem receiving more attention. EVs over conventional vehicles like regenerative braking, being silent and pollution free, improved road handling, higher stability control, redundancy to Internal combustion engines (ICE), and torque top up capability when vehicle is under HEV modes of operation.



2. Wireless Notice Board with Text and Voice Commands

J Hari Prasanna - 21325A0203 D Sadwika - 20321A0230 B Nikitha - 20321A0222

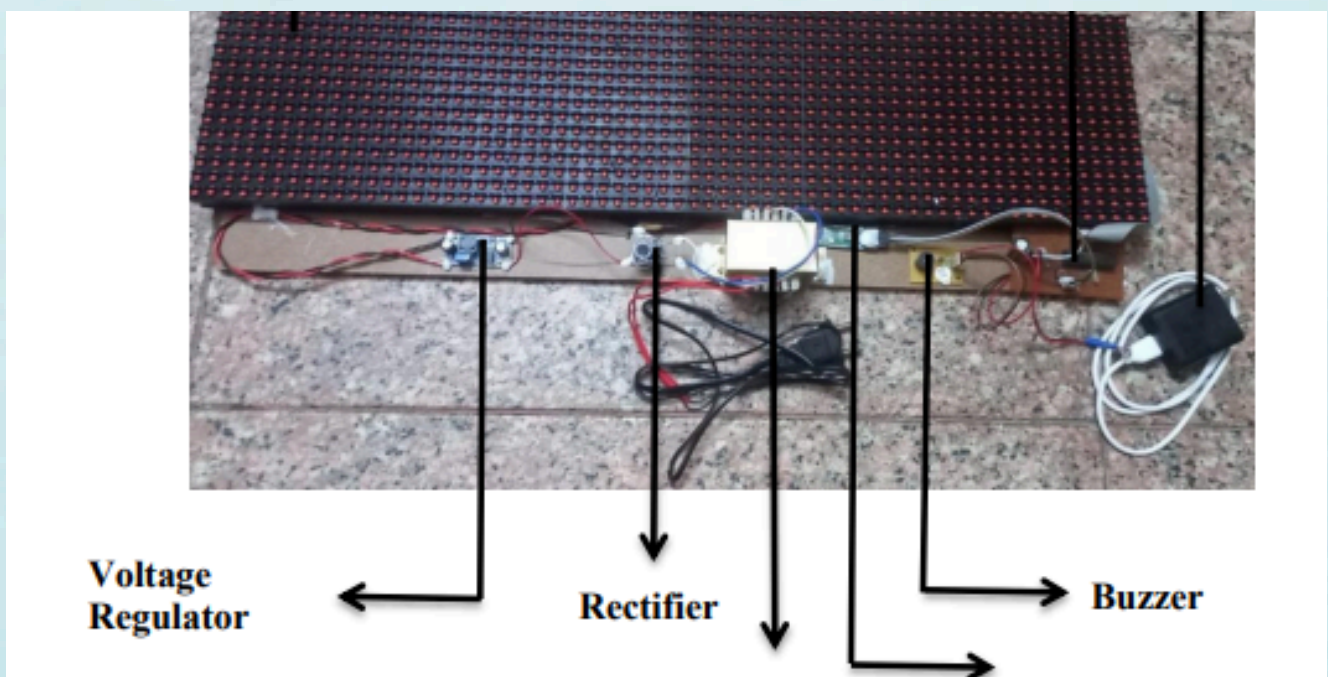
Abstract:

The main aim of this project is to design a wireless LED notice board controlled via mobile's Bluetooth. Notice boards are used to communicate important information to a group of people, acting as a central hub for announcements, news and updates, thereby making it easy for everyone to stay informed and connected.

Traditional notice boards are usually physical boards or walls, were static and relied on manual updates. However, they possess limitations in today's digital world, such as the manual update process and the use of physical postings, which result in delays and make them less efficient for modern information sharing.

So, Wireless notice boards are essential in the modern society for their efficiency, flexibility and convenience. They ensure timely sharing updates of crucial information offer remote management. This project deals with a wireless LED notice board controlled via mobile's Bluetooth. In stage-1 messages will be displayed on LED through text input and in stage-2 messages will be displayed using voice commands.

The main components of the system are ATmega328P Microcontroller, Bluetooth modem, P10 LED board, mobile and buzzer. The messages are sent from a mobile application to the microcontroller through Bluetooth. The microcontroller then produces an alert sound through buzzer and displays the message on LED board until the next message is sent.



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
S Pooja - III EEE (22325A0206)
S Gnaneshwari - III EEE (21321A0207)
Humera - II EEE (23325A0205)
Ruchitha - II EEE (23325A0211)
J Sriya Deepthi - II EEE (22321A0228)

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