

2023

ELECTRON EDGE

2023 Volume 5 Issue 1



Department of Electronics and Communication Engineering



**Bhoj Reddy
Engineering College
for Women**



CONTACT US :



040-2453-1725/7282



principal@brecw.ac.in



Vinay nagar, IS Sadan
Crossroads, Saidabad,
Hyderabad - 500059, Telangana
www.brecw.ac.in

JANUARY-JUNE

**NEWS
LETTER**

CONTENTS

2

Vision Mission

3

Republic Day
Celebrations

4-9

Guest Lectures

10

Farewell Day

11

Attendance and Merit
Awards

12

International Yoga
Day Celebrations

VISION

VISION

- ECE department envisions developing technically competent and meritorious women engineers with a keen sense of social responsibility.



MISSION

- To provide a challenging and value-based education, enriching knowledge of young engineers in the field of Electronics and Communication Engineering.
- To strive for the intellectual and personal development of young women to build a healthy society by improving the quality of life through the application of Electronics.
- To inculcate self-confidence, teamwork, leadership, and entrepreneurship in students through curricular, co-curricular and extracurricular activities.
- To develop adaptable thinking and the ability to apply the techniques of communication innovatively in a realistic environment for the current and future technological requirements.

MISSION



Republic Day Celebrations

Every year, Republic Day is celebrated in India on 26th January with great grandeur and pride. It's a day to honour the Constitution of Independent India.

Our college has celebrated Republic Day on January 26th, 2023 at 9.30 A.M with all the teaching and non-teaching staff and students. Principal has hoisted the flag and Vice principal gave valuable messages regarding importance of freedom to students. Students participated in events like singing patriotic songs and speeches.



The main highlight of the celebration was the beautiful display of rangolis, meticulously crafted by the students. These intricate designs, rich in cultural symbolism and bursting with vibrant colors, adorn the college premises, adding charm to the festive atmosphere.

The Republic Day celebrations at BRECW College is not only a tribute to India's glorious past but also an inspiring reminder of the collective responsibility to uphold the values of freedom and unity for future generations.



Celebrate Republic Day with pride



“Be educated, be agitated, be organized, be confident, never give up, these are the five principles of our life”

-Dr B R Ambedkar



A Training Session

The ECE Department has organised a Guest Lecture on “IEEE Explore New Features for Research Efficiency” for III Btech ECE, IT, EEE and CSE students on 20th March, 2023. Guest Lecture was scheduled from 10:30 to 12:40 Hrs.

IEEE Xplore is a digital library and research platform provided by the Institute of Electrical and Electronics Engineers (IEEE). It offers access to a vast collection of scientific and technical content published by IEEE and its publishing partners. The platform is widely used by researchers, engineers, and academics to stay updated with the latest advancements in various fields of technology and engineering.

20 MARCH
2023

VENUE:
RAMDEV INDOOR
AUDITORIUM
TIME: 10:30AM-12:40 AM



Organised by
Department of Library
Bhoj Reddy Engineering
College for Women



Mr. M.S.SRINIVAS
IEEE TRAINING MANAGER
TELANGANA AND KARNATAKA

The IEEE Xplore Digital Library is a comprehensive online resource providing access to a vast collection of technical literature in electrical engineering, computer science, and electronics. Managed by the Institute of Electrical and Electronics Engineers (IEEE), it includes over 5 million documents, encompassing peer-reviewed journal articles, conference papers, technical standards, and eBooks. Researchers, professionals, and students worldwide use IEEE Xplore to stay updated with the latest advancements in technology, gain insights from pioneering research, and access a wealth of information essential for innovation and development. With its robust search functionality and extensive archival content, IEEE Xplore is a vital tool for those seeking to explore and contribute to the cutting edge of technology and engineering. Renowned for its extensive collection of IEEE journals and transactions, the library also offers access to cutting-edge papers from numerous IEEE-sponsored conferences worldwide. Advanced search tools, personalized features, and citation management support make it user-friendly, while its inclusion of crucial IEEE standards ensures compliance and quality in technological applications. Additionally, IEEE Xplore provides educational resources such as eBooks and multimedia content, enhancing learning and professional development. Widely accessible to academic institutions, research organisations, and corporations globally, IEEE Xplore is essential for staying updated with the latest technological advancements and research.

Fuel Your Research with IEEE Xplore

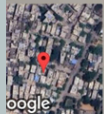


Guest Lecture

The ECE Department has conducted a One-Day Guest Lecture on “The Importance of Research-work in latest trends at UG Level” for IV Btech ECE and EEE students on 31st March, 2023. Guest Lecture was scheduled from 13:30 to 14:30 Hrs.

Up-to-date research provides policymakers and leaders with the latest data and insights needed to make informed decisions. Research in the latest trends fosters innovation by exploring new ideas, technologies, and methodologies. It leads to the development of cutting-edge products and services that can revolutionize industries. Integrating the latest research findings into educational curricula ensures that students are learning the most current information and techniques. Modern research often spans multiple disciplines, leading to comprehensive solutions to complex problems. Research helps in understanding societal trends, cultural shifts, and human behavior. This understanding can lead to more effective social policies, educational programmes, and community initiatives that better address the needs and aspirations of diverse populations.

SPEAKER:

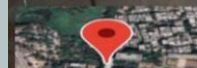


Telangana, India
BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN, SAIDABAD,
HYDERABAD, TELANGANA 500059, INDIA
Lat 17.347787°
Long 78.504442°
06/01/24 04:06 PM GMT +05:30

Dr B Raveendranath Singh
Professor,
CSE Department
BRECW
Hyderabad



Date and Time(Hrs)	31 March 2023 13:30 to 14:30 Hrs
Venue	Seminar Hall WB 402



Hyderabad, Telangana, India
Seminar Hall-2,WB-402,BRECW, 17-1-209/B, Vinayak Nagar
Colony, Saidabad, Hyderabad, Telangana 500059, India
Lat 17.354332°

Discover insights from our guest lecturer

Research work on the latest trends is essential for undergraduate students as it equips them with current knowledge and practical skills. Engaging in research fosters critical thinking, problem-solving, and analytical abilities. It helps students stay updated with advancements in their field, ensuring their education remains relevant and dynamic.

Additionally, research experience enhances employability by demonstrating a student's capability to tackle real-world problems and adapt to evolving industry standards. It also prepares students for future academic pursuits by providing a strong foundation in research methodologies and practices. Overall, research work is a vital component of undergraduate education, bridging the gap between theoretical learning and practical application.

Firstly, it allows students to engage deeply with their chosen field, moving beyond textbook knowledge to explore current developments and innovations. This engagement fosters a more profound understanding and appreciation of their subject. Secondly, participating in research cultivates essential skills such as critical thinking, problem-solving, and analytical reasoning, which are invaluable in both academic and professional settings.

Moreover, research projects often require teamwork, communication, and project management skills, further enhancing a student's personal and professional growth. It provides an opportunity for students to contribute original ideas and solutions, fostering creativity and innovation. Additionally, research experience is highly regarded by employers and graduate programmes, as it demonstrates a student's initiative, dedication, and ability to conduct independent work.

Furthermore, research helps students build a network of professional contacts, including professors, industry experts, and fellow researchers, which can be beneficial for future career opportunities. It also prepares students for advanced studies by familiarizing them with research methodologies, data analysis, and academic writing. To conclude, engaging in research on the latest trends is a multifaceted endeavor that significantly enriches undergraduates education, personal development, and career prospects.



INNOVATE INVESTIGATE INSPIRE

Pioneering Minds Start with Research!

Empower Innovation Through Inquiry!

Guest Lecture

The ECE Department has organised a Guest Lecture on “Signal Processing and It's Applications” for III B Tech ECE A,B&C students on 20th April, 2023. Guest Lecture was scheduled from 10:00 to 12:15 Hrs. Inaugural function was attended by the Speaker Prof C B Rama Rao, Principal Dr E Madhusudhana Reddy, ECE-HoD S Manjula, Workshop in-charge A Jyothirmayi, ECE staff and III ECE A,B&C students.

SPEAKER:

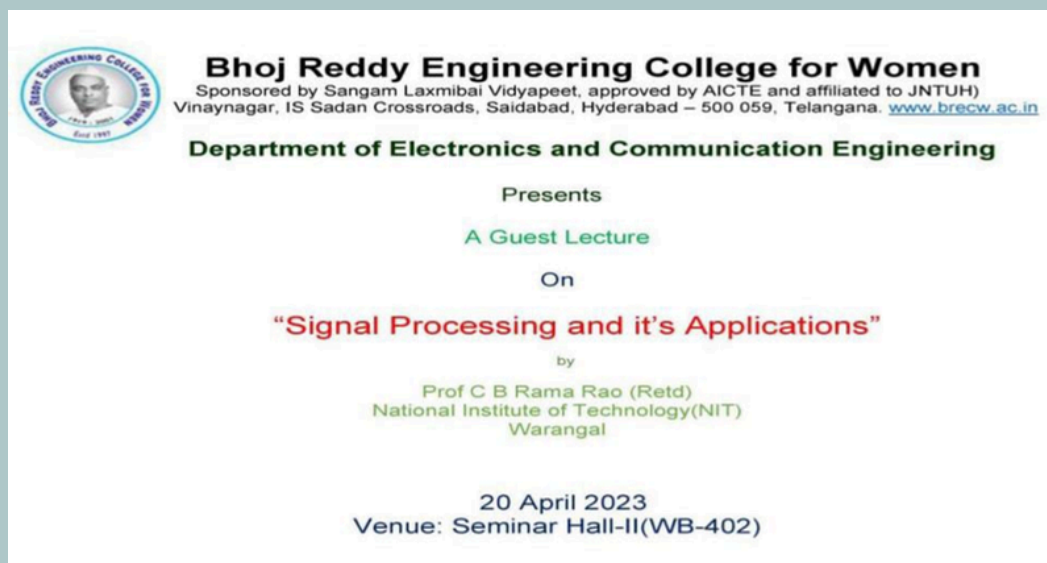


VENUE:
Seminar hall
WB 402

Prof. C B Rama Rao (Retd) (NIT Warangal)
Telangana, India-506004.

Prof C B Rama Rao , an ECE graduate from JNTU Kakinada, has completed his M.Tech at JNTU Kakinada in instrumentation and control systems. He holds a PhD in signal processing from IIT Karagpur. He Started his journey as a Teaching assistant in department of ECE in REC, Warangal and worked at various levels and retired as a professor from NIT Warangal, department of ECE. He is an IEEE member, fellow IETE member, and life member of ISTE, has great accomplishments and is a scholar who has published 19 international journal publications and 16 conference publications. He being a BOG member of NIT Warangal, has experience of organising many workshops for Electronics and ICT Academy sponsored courses.

Prof C B Rama Rao concluded his lecture by discussing the challenges and opportunities in the field of signal processing. He highlighted the need for continuous research and development to improve the performance and efficiency of Signal Processing techniques. He also emphasised the role of education and training in preparing the next generation of Electronics engineers and researchers.



Join us for an enlightening guest lecture

Overall, the guest lecture on " Signal Processing and It's Applications " was informative and insightful thereby providing students and faculty members with a comprehensive understanding of signal processing and their applications. Prof C B Rama Rao's expertise and experience in the field were evident throughout the lecture, making it a valuable learning experience for all the attendees. Applications of signal processing are vast and diverse, impacting numerous industries and areas of research. In telecommunications, signal processing is essential for the encoding, transmitting, and decoding of data, ensuring that communication systems are efficient and reliable. In audio and speech processing, it enables noise reduction, echo cancellation, and voice recognition, enhancing the quality of audio signals and facilitating human-computer interactions.



Glance at a guest lecture session

FAREWELL

BRECW has organised our “Farewell Day” for all the students in June 2023. ECE department has celebrated farewell day on 7th June, 2023, from 9:45 am to 4:30 pm. On 7th June, 2023, from 9:45 am to 12:30 pm there were several events including the ramp walk, then there was an hour break for lunch in the premises of polytechnic college. After lunch the event continued, with several cultural activities.

Farewells are bittersweet moments that mark the end of one chapter and the beginning of another. As we gather to say goodbye, we reflect on the journey we shared, the lessons we learned, and the bonds we formed.

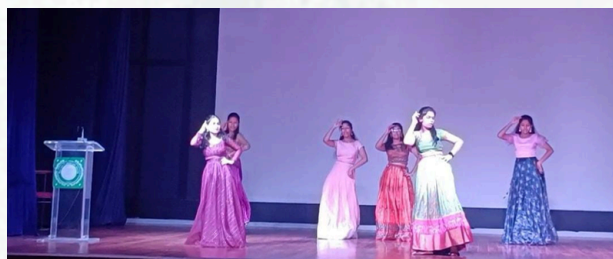


**7
JUNE
2023**

VENUE:
RAMDEV INDOOR
AUDITORIUM

TIMINGS:
9:45AM to 4:30PM

*Good Bye
&
Good Luck*



*Moment from the
farewell occasion*



Attendance & Merit Awards

Attendance and merit awards are essential recognitions that underscore the value of dedication, reliability, and excellence. These awards celebrate individuals who consistently demonstrate exceptional attendance, highlighting their commitment and dependability. By maintaining a perfect or outstanding attendance record, these individuals set a positive example for their peers, contributing to a productive and positive environment. Merit awards, on the other hand, honor those who achieve high performance, showcasing their exceptional skills, hard work, and contributions to their field. Together, attendance and merit awards motivate others to strive for similar achievements, fostering a culture of excellence, responsibility, and continuous improvement.

Merit and Attendance Award Ceremony held at BRECW on 15th June, 2023 The ceremony was organized with the aim of recognizing and honoring the academic excellence and outstanding attendance of our students. The event served as a platform to acknowledge their hard work, dedication, and commitment to their studies. The event commenced with a welcome speech by HOD-ECE, S Manjula, who emphasized the importance of academic excellence and regular attendance in shaping successful engineering careers. Later she presented the awards.



Certificates have been presented to the students

Attendance and merit awards play a crucial role in the educational environment. They serve as a positive reinforcement, encouraging students to maintain good habits and strive for personal and academic growth. Recognizing students' efforts and achievements fosters a supportive and motivating atmosphere, which can lead to improved overall performance and a positive school culture. These awards also help to build a student's confidence, highlight the importance of dedication and hard work, and prepare them for future endeavors by instilling essential life skills.

INTERNATIONAL YOGA DAY

International Yoga Day was celebrated in Bhoj Reddy Engineering college. International Yoga Day, observed annually on June 21st, 2023, promotes the practice of yoga for physical and mental well-being. Conducted yoga sessions that cater to participants of all levels of expertise. Include a variety of yoga postures, breathing exercises, and relaxation techniques. Ensure that the instructor demonstrates and explains each pose clearly, emphasizing correct alignment and breathing techniques. Celebrated International Yoga Day in BRECW provided an opportunity for students, faculty, and staff to experience the physical, mental, and spiritual benefits of yoga. By organizing a well planned event, incorporating various yoga activities, and encouraging participation, the college has created an awareness and promote a culture of holistic well-being among its community. The date coincides with the summer solstice, the longest day of the year in the Northern Hemisphere, symbolizing light and energy. This day promotes global unity, as people from different cultures and backgrounds come together to practice yoga, fostering a sense of community and shared purpose. International Yoga Day emphasizes the mental and spiritual dimensions of yoga, encouraging mindfulness, inner peace, and personal growth. Through diverse activities and events, it raises awareness about the importance of a balanced lifestyle, making yoga accessible to everyone, regardless of age or fitness level.



Students involved in yoga exercises

Yoga: Unite Body and Mind