



ELECTRON EDGE

Bhoj Reddy Engineering College for Women

Department of Electronics and Communication Engineering



Newsletter

CONTACT US:



040-2453-1725/7282



principal@brecw.ac.in



Vinay Nagar, IS Sadan
Crossroads, Saidabad,
Hyderabad - 500059,
Telangana

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VISION

To empower women by providing thorough quality technical education and transform into meritorious, self-disciplined and competent professionals with a keen sense of social responsibility and enable them to reach goals in the area of Electronics and Communication Engineering.

MISSION

The Mission of the Department of Electronics and Communication Engineering is:

- To be the epitome of academic rigour, flexible to accommodate every student and faculty for basic, current and future technologies in Electronics and Communication Engineering.
- Strengthening and providing support in sustaining a healthy society by improving the quality of life through the application of technology.

REPUBLIC DAY

Like every year, all the students and faculty members of our College organised a grand programme on the occasion of Republic Day. It was a matter of great pride for all of us as on January 26, 1950, the constitution of India came into force, and our country became a republic.

The programme commenced with a prayer at 8:00 am on 26th January, 2022 followed by a parade and flag hoisting in the college. Our college principal hoisted the national flag and delivered a motivational speech and emphasized "Youth Power." Several speeches on patriotism were given, and the national anthem was sung.



Rangoli art on Republic Day.

Students contributed to the celebration by organising various programmes. The campus was beautifully decorated with charts, models, slogans, and poems depicting India's development since independence. Students dressed in traditional costumes represented different cultures of India.



Events held during Republic Day celebrations.

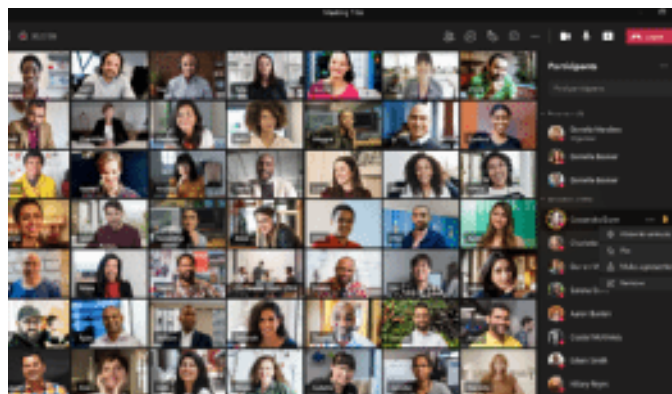


Flag hoisted on Republic Day

WEBINAR

System on Chip Design and Verification

On March 5th, 2022, students of III & IV BTECH ECE embarked on an enlightening journey through an online webinar led by Mr. P R Siva Kumar, Founder and CEO of Maven Silicon, exploring the intricacies of System on Chip (SoC) Design and Verification via Microsoft Teams. With adept guidance, Mr. Siva Kumar navigated attendees through the complexities of SoC architecture and verification methodologies, providing tailored insights essential for their academic and professional growth. The interactive session not only fostered engagement but also empowered students to grasp the practical applications and industry perspectives integral to mastering SoC design and verification.



This webinar, a collaborative effort between Mr. P R Siva Kumar and Maven Silicon, serves as a cornerstone in shaping the future of technology for the aspiring engineers of III & IV BTECH ECE.

System on Chip (SoC) design involves integrating multiple components (such as processors, memory, peripherals, and interfaces) onto a single chip. This integration enhances performance, reduces power consumption, and optimizes space utilization compared to traditional multi-chip systems.

Verification in SoC design ensures that the chip functions correctly under all conditions and meets design specifications. It involves rigorous testing and validation processes to identify and rectify potential errors or bugs before production. Advanced verification methodologies like simulation, formal verification, and emulation are employed to ensure the reliability and functionality of SoCs, critical for their successful deployment in various electronic devices and systems.

TRADITIONL DAY

The Traditional Day held on March 25, 2022, at Bhoj Reddy Engineering College for Women was a vibrant celebration of cultural heritage and diversity. Students and staff adorned themselves in traditional attire representing various regions of India, showcasing the rich cultural tapestry of the country. The event featured cultural performances, including dances, music, and skits, highlighting traditional customs and practices. Traditional Day fostered a sense of pride and unity among the participants, making it a memorable and enriching experience for everyone involved.



Traditional Day Celebrations

WORKSHOP



Snapshot of workshop's inaugural session

A Two-Day workshop on 'Embedded Systems' was successfully conducted by Department of Electronics and Communication Engineering in association with Expert Embedded solutions at BRECW for III ECE A(18-19 April 2022), III ECE B (20-21 April 2022) and III ECE C (25-26 April 2022). The workshop was organised with the objective of promoting the awareness and skills among the III year students about Embedded Systems and its applications. Mr. T.Bhanu Teja and Mr. B. Ramesh the trainers from Expert Embedded solutions explained the concepts of Embedded Systems especially Arduino UNO and its applications. Ms. A Navila workshop Co-Ordinator supervised the proceedings of the event.

Duration of workshop: 18-19 for III ECE-A 20-21 for III ECE-B 25 26 for III ECE-C

Number of students Participated: 193



Bhanu Teja commencing the forenoon session with enthusiasm.



Leading the afternoon session with expertise and engagement.

Household Survey Conducted at Salarpur Village

As a part of Unnat Bharat Abhiyaan work, UBA committee members along with four faculty (one from EEE, ECE, CSE and IT) and 48 students (EEE-6, ECE-18, CSE-12 and IT-12) visited Salarpur village on 23.04.2022 for household survey. The team started from the College at 6:30 AM in a hired RTC bus and reached Salarpur at 8:00 AM. After having breakfast, details of village survey are taken from the Sarpanch and household survey was carried out for half of the houses by 1 PM. After lunch household survey for remaining half was conducted. During household survey, the details of each house member, their source of water and power, land as well as livestock are noted. The awareness was raised about the effects of usage of plastic and distributed Jute bags (1 bag for each house) to be used instead of plastic bags. The team completed household survey by 3:30 PM and reached college by 5:00 PM



Distributing Eco-friendly Jute bags

Farewell

BRECW ECE department has organised “Farewell Day-2022” on 4th June 2022.

There were several events like ramp walk, then there was an hour break for lunch in the premises of polytechnic college. After lunch the event continued, and many students performed various activities.



Events on Farewell Day