



ELECTRON EDGE

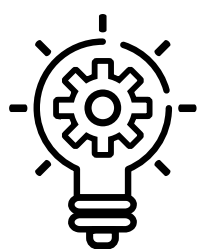
Volume 2 Issue 2

Department of Electronics & Communication Engineering

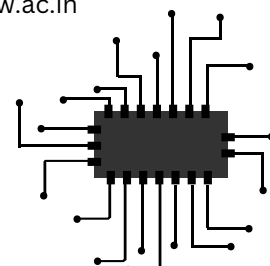


Bhoj Reddy Engineering College for Women

(Sponsored by Sangam Laxmibai Vidyapeet, approved by AICTE and affiliated to JNTUH)
Vinaynagar, IS Sadan Crossroads, Saidabad, Hyderabad – 500 059, Telangana. www.brecw.ac.in

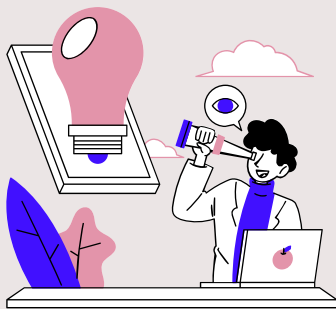


July-December 2020

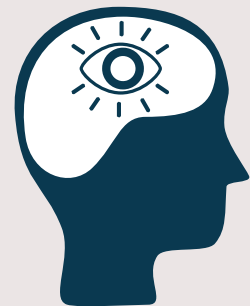


CONTENTS

Vision Mission	2
Webinar	3-4
Awareness Program	5-6
Online Classes	7-8



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.

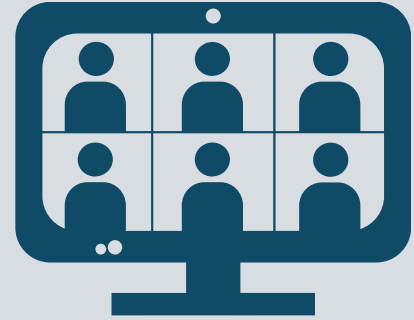


MISSION



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.



Webinar on **“Artificial Intelligence on Healthcare ”** for III B.Tech on 06 August 2020, conducted by Pantech Solutions

Our college organised a webinar on August 6, 2020, focusing on the integration of Artificial Intelligence (AI) in the healthcare sector. The webinar aimed to shed light on the transformative potential of AI in healthcare and its implications for future medical practices.



Healing Smarter with AI

The webinar commenced with an introductory note highlighting the significance of AI in revolutionizing healthcare. The speakers elaborated on various facets of AI applications in healthcare, including diagnosis, treatment, patient care, and administrative tasks.

ONLINE CLASSES



6th August, 2020



Artificial Intelligence (AI) is revolutionizing healthcare, transforming patient care, diagnosis, and treatment. AI algorithms can analyze vast amounts of medical data quickly, leading to earlier and more accurate diagnoses. For instance, AI-powered imaging tools can detect anomalies in medical scans with high precision, aiding in the early detection of conditions like cancer. Moreover, AI enhances personalized medicine by analyzing genetic information and predicting individual responses to treatments, ensuring tailored and effective interventions. In healthcare administration, AI streamlines workflows, reduces errors, and optimizes resource allocation, improving overall efficiency. Telemedicine, powered by AI, enables remote patient monitoring and virtual consultations, expanding access to healthcare, especially in underserved areas. As AI continues to evolve, it holds the promise of making healthcare more accessible, affordable, and effective, ultimately improving patient outcomes and quality of life.



Students attending the online webinar


AI also plays a crucial role in healthcare administration by automating routine tasks, managing patient records, and optimizing resource allocation. This reduces administrative burdens on healthcare professionals, allowing them to focus more on patient care. Telehealth services, augmented by AI, are making healthcare more accessible, particularly in remote and underserved regions, by enabling remote monitoring and virtual consultations.

Overall, AI in healthcare is not just a technological advancement; it is a paradigm shift towards more proactive, precise, and patient-centered care, promising to improve health outcomes and the efficiency of healthcare systems globally.

AWARENESS INITIATIVE

CYBER CRIME

The NSS Committee of BRECW organized an online awareness program on Cyber Crime on 18-11-2020, to create awareness and help to deal with cyber crime. The program was organized for III B.Tech students in online mode by Hedges Cyber Security Pvt Ltd. The program was held in two shifts. The first shift was from 10:00 to 12:00 PM for CSE and IT students, the second shift was from 2:00 to 4:00 PM for ECE and EEE students. The students got a Microsoft teams link in their class group to join the session.



Bhoj Reddy Engineering College for Women
Sponsored by Sangam Laxmibai Vidyapeeth, approved by AJCTE and affiliated to JNTUH)
Vidyapeeth, IS Sadan Crossroads, Saldabad, Hyderabad — 500 059, Telangana. www.brecw.ac.in

An Awareness Program

On

CYBER CRIME AND PREVENTION

by
Hedges Cybersecurity Private Limited

Date: 18 November 2020
Venue: Indoor Auditorium, Ramdev Block

Timings: 10:30 to 12:30 Hrs for
III BTech CSE, IT, ECE, EEE

Be the Change: Participate in Our Awareness Program Today!

The program started with a welcome speech by Mrs M Vineela, Associate Professor CSE Department who heads the NSS committee. A delightful beginning was made by the speaker, Mr. Jayant Reddy, Technical Director, Hedges Cyber Security Pvt Ltd.. He emphasized on the need for network etiquettes in our daily life. He talked about the increasing E-frauds & Security issues and shared the internet guidelines which served as a major piece of information for everyone attending the program.

The program aimed at creating awareness on:

An Overview of Cybercrimes such as Electronic Commerce Crime, DOS, frauds.

- Types of Cyber attacks
- Discussion topics: Defamation, Obscenity, Content Accountability, Copyright Violations, Trademark Violations
- Provisions in the legal framework to combat Cybercrimes.
- Discussion on Indian Cyber Law and
- Provision of court proceedings for Cybercrimes.

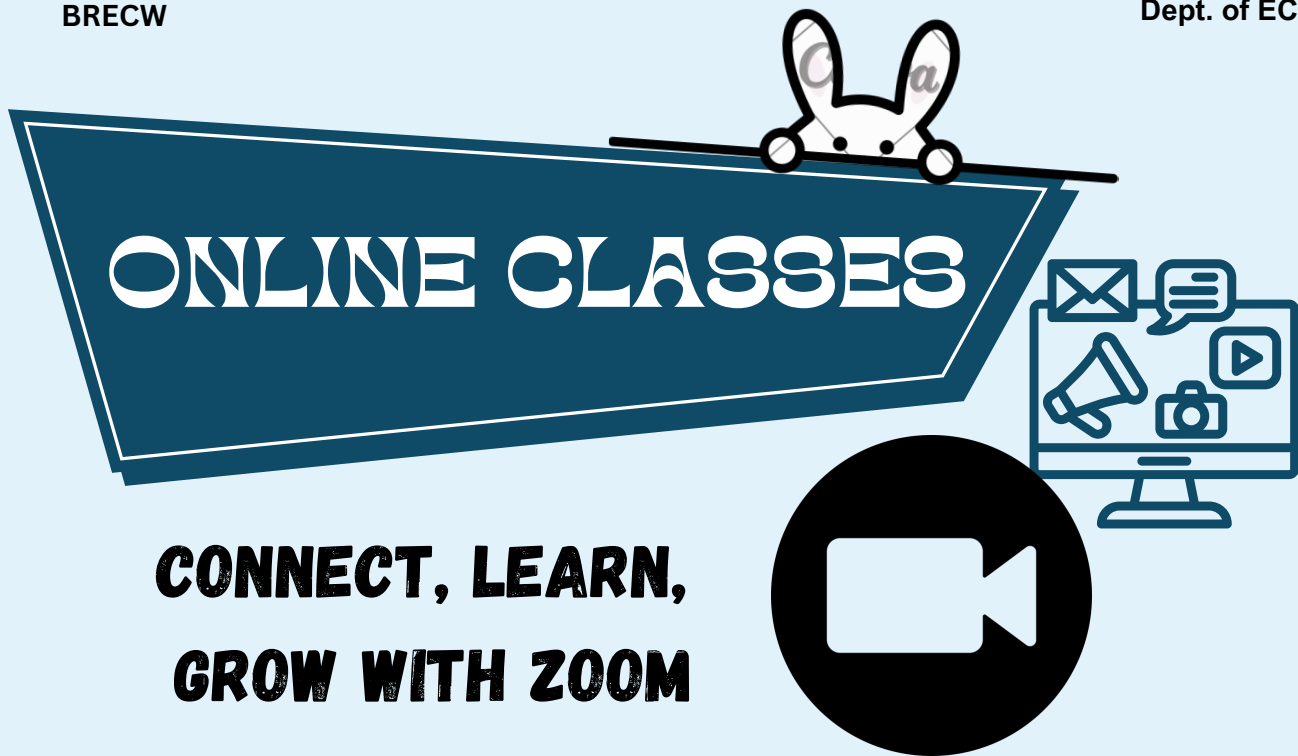
The speaker explained that every citizen is living in two worlds simultaneously. One is the "REAL" world and the other is the "VIRTUAL" world. Despite all these actions and precautions taken by the citizens, mistakes occur and as a result incidents of crime (intentional or unintentional) take place. He gave in depth knowledge of different types of cybercrimes such as access without permission, data theft, damaging computers, denial of access, access to unauthorized person, identity theft, cyber staking, cyber terrorism and how to secure oneself and take precautions against such crimes which are at their peak these days Further he emphasized to follow safety rules while browsing or during internet transactions. Precautions such as

- Keeping personal information professional and limited
- Be careful on what you are downloading.
- Choosing of strong passwords
- Making online purchases or transactions from secure sites

He discussed some cases related to social media impacts and also provision of court proceedings for Cybercrimes. The seminar ended with students being full of Information and vision of being safe and secure in the virtual world. The number of students who participated were 192 in the morning session and 185 in the evening session.



Secure Your Digital Life: Cybercrime Prevention Starts with You!



Zooming In: The Evolution of Remote Education" Zoom classes have reshaped the educational landscape providing students with the flexibility to learn from anywhere. Despite initial hurdles like technical glitches and distractions, educators have embraced innovative approaches to ensure effective teaching and engagement.

However, the transition to online learning hasn't been without challenges. Technical glitches, internet connectivity issues, and distractions from home environments can disrupt the learning experience. Moreover, maintaining student engagement and participation can be more difficult in a virtual setting compared to traditional classrooms. Despite these hurdles, Zoom classes have demonstrated their potential to facilitate learning in unprecedented times. By embracing innovative teaching methods and leveraging technology, educators continue to adapt and ensure that students receive a quality education, even from a distance





ZOOM INTO LEARNING!

Online classes conducted via Zoom have revolutionized the landscape of education, providing a dynamic and interactive learning experience that transcends traditional boundaries. Utilizing Zoom's platform, educators can seamlessly deliver lectures, conduct discussions, and engage students through live video sessions. This virtual classroom environment fosters active participation and real-time interaction, allowing students to ask questions, collaborate on projects, and receive immediate feedback from instructors.

Moreover, Zoom's array of features enhances the educational experience. Tools like screen sharing enable educators to present slides, videos, and other multimedia content, enriching lessons with visual aids. Breakout rooms facilitate group work and discussions, promoting collaborative learning among students. The platform's chat feature encourages real-time communication, enabling students to ask clarifying questions or share insights without interrupting the flow of the class.

For flexibility, Zoom accommodates various learning styles and schedules, as students can join classes from the comfort of their homes or any location with internet access. Sessions can also be recorded, allowing learners to review lectures and discussions at their convenience, supporting both synchronous and asynchronous learning approaches. Security and privacy are paramount in Zoom's design, with features such as meeting passwords, waiting rooms, and encryption ensuring a secure learning environment. Technical support is readily available to assist both educators and students, ensuring smooth operation and addressing any issues promptly.

Overall, Zoom has emerged as a pivotal tool in modern education, facilitating effective online teaching and learning experiences that empower students to achieve academic success regardless of physical distance or logistical constraints.

