



BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN

(Sponsored by Sangam Laxmibai Vidyapeet, Accredited by NAAC with A Grade approved by AICTE and affiliated to JNTUH)

Recognized by UGC under section 2(f) of the UGC Act, 1956

Vinaynagar, IS Sadan Crossroads, Saidabad, Hyderabad – 500 059, Telangana.

www.brecw.ac.in



PRAGATHI 2024

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Department of
Computer Science and Engineering



NEWSLETTER

July – December 2024

INDEX

1. Vision & Mission	2
2. Guest Lecture	3
3. Workshops	7
4. FDP Program	9
5. Freshers Day Celebrations	14
6. Dandiya Celebrations	17
7. Breast Cancer Awareness Programme	18
8. PCOS Awareness Programme	19

Vision & Mission



Vision:

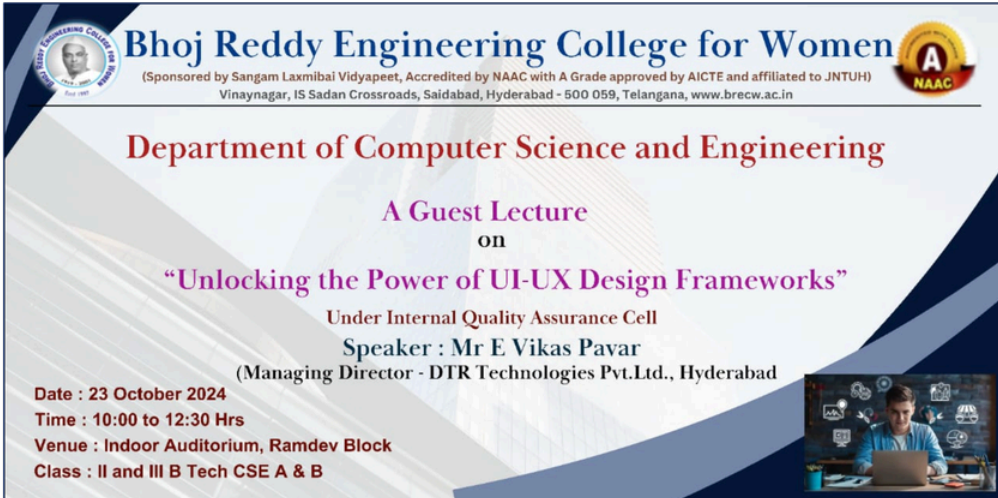
To become a world-class technical center for making women into dynamic Computer Science Engineers of tomorrow.

Mission:

- To impart high quality professional training in a challenging and safe environment with an emphasis on noble values.
- To encourage women engineers to upgrade their programming, analyzing, and developing skills in building computing algorithms for leading meaningful lives.
- To make learning process exciting and interesting through curricular and co-curricular program with staff moulding them into leaders and entrepreneurs.
- To nurture the students with the required skills to solve technical problems of modern society with courage and confidence.

GUEST LECTURE: UI-UX DESIGN FRAMEWORKS

The Guest Lecture titled “**Unlocking the Power of UI-UX Design Frameworks**” was conducted on 23rd October 2024 from 10:00 AM to 12:30 PM for the II and III B.Tech CSE students at Bhoj Reddy Engineering College for Women. The session was delivered by **Mr. E. Vikas Pavar**, Managing Director of **DTR Technologies Pvt. Ltd.**, Hyderabad, who has extensive experience in UI-UX design and digital product development. The lecture began with an introduction to the importance of user-centered design and its growing relevance in modern software and web application development.




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Department of Computer Science and Engineering

A Guest Lecture
on
“Unlocking the Power of UI-UX Design Frameworks”

Under Internal Quality Assurance Cell
Speaker : Mr E Vikas Pavar
(Managing Director - DTR Technologies Pvt.Ltd., Hyderabad)

Date : 23 October 2024
Time : 10:00 to 12:30 Hrs
Venue : Indoor Auditorium, Ramdev Block
Class : II and III B Tech CSE A & B



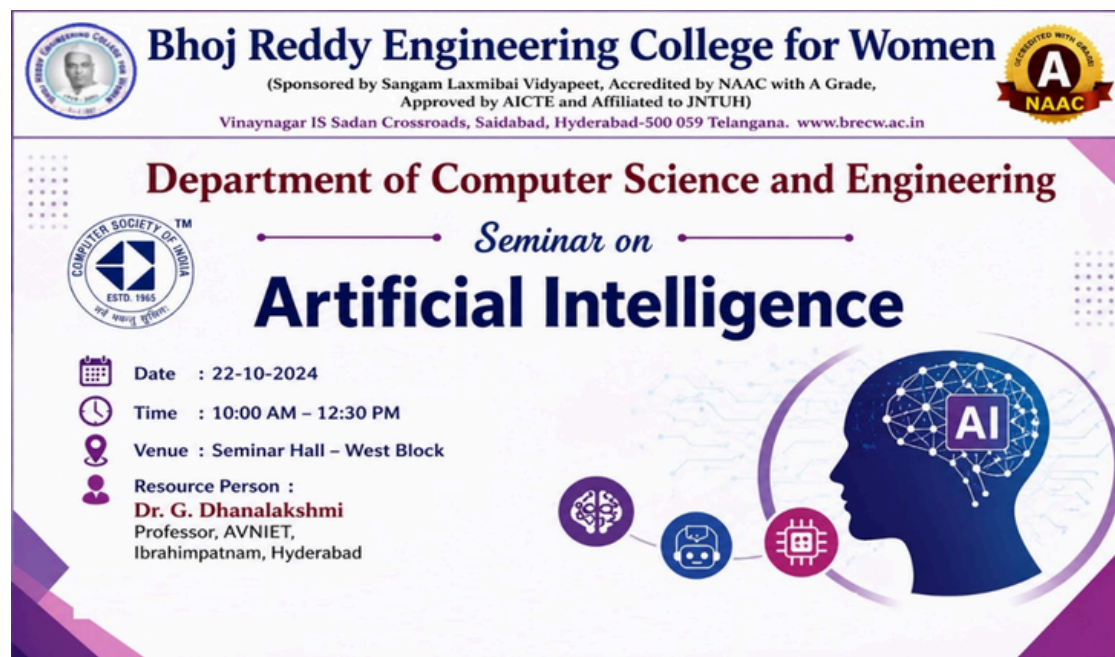
GUEST LECTURE: UI-UX DESIGN FRAMEWORKS

During the session, Mr. Vikas Pavar provided valuable insights into the fundamentals of User Interface (UI) and User Experience (UX) design, highlighting their role in creating intuitive, accessible, and engaging digital products. He discussed various UI-UX design frameworks, design thinking principles, wireframing, prototyping techniques, and usability testing methods. The speaker also introduced industry-standard tools such as **Adobe XD, Figma, and Sketch**, explaining their features and practical applications in the design process. Through real-world examples and interactive discussions, students gained a deeper understanding of current design trends, best practices, and career opportunities in the field of UI-UX design.



GUEST LECTURE: AI

The Department of Computer Science and Engineering organized a Seminar on “**Artificial Intelligence**” on 22-10-2024 at the Seminar Hall – West Block. The session was delivered by **Dr. G. Dhanalakshmi**, a distinguished academician and expert in Artificial Intelligence and Machine Learning with extensive teaching and research experience. The seminar commenced with a welcome address, followed by the HoD’s remarks emphasizing the transformative role of Artificial Intelligence in shaping modern industries and technological advancements. The speaker highlighted the growing demand for AI professionals and the increasing adoption of AI-driven solutions across sectors such as healthcare, finance, manufacturing, education, and automation.



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Department of Computer Science and Engineering
Seminar on
Artificial Intelligence

COMPUTER SOCIETY OF INDIA
ESTD. 1965

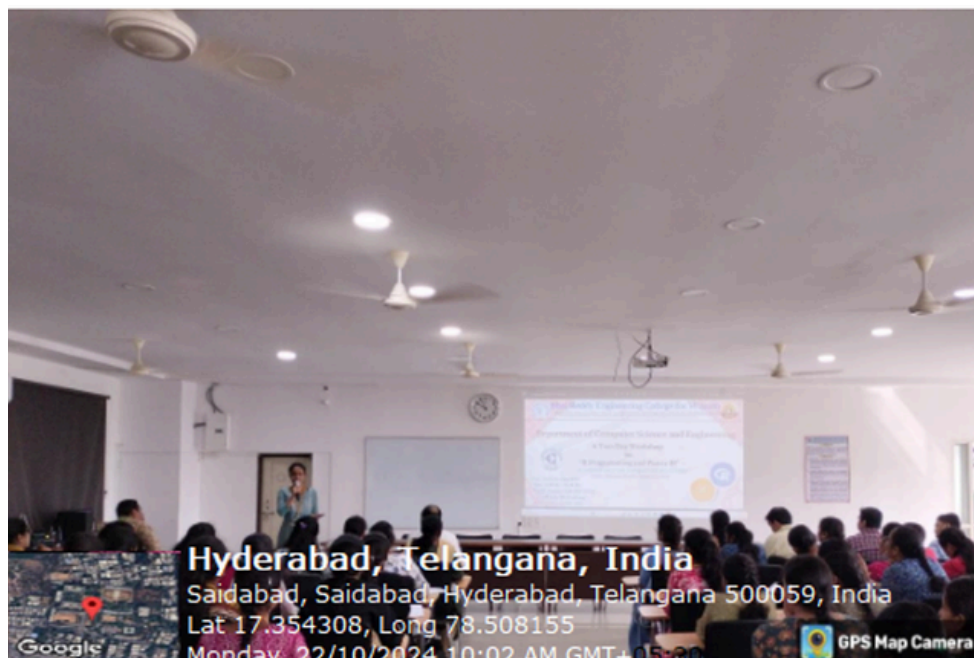
Date : 22-10-2024
Time : 10:00 AM – 12:30 PM
Venue : Seminar Hall – West Block
Resource Person :
Dr. G. Dhanalakshmi
Professor, AVNIET,
Ibrahimpattam, Hyderabad

AI

GUEST LECTURE: AI

Dr. G. Dhanalakshmi explained the real-world applications of Artificial Intelligence across various sectors such as healthcare, finance, education, automation, and data analytics. She emphasized the importance of developing practical skills, working on real-time projects, and continuously upgrading knowledge to keep pace with rapidly evolving AI technologies. The session covered emerging trends in **Machine Learning, Deep Learning, Natural Language Processing, and Computer Vision**, highlighting their impact on industry and society.

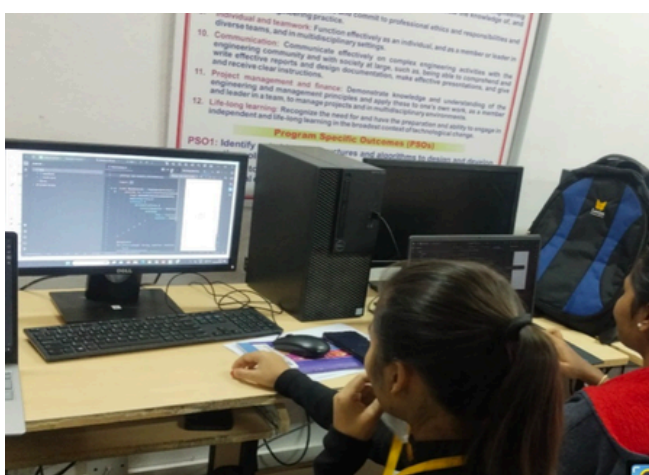
The seminar included several case studies, real-time examples, and an interactive Q&A session that encouraged active student participation and knowledge sharing. Students gained valuable insights into AI-driven innovations, current industry requirements, research opportunities, and the ethical aspects of AI development. The event significantly enhanced their understanding of Artificial Intelligence concepts and inspired them to explore AI-based projects, higher studies, and career opportunities in AI and Data Science.



WORKSHOP: ANDROID BASICS

The two-day workshop titled “**Android Basics: Build Your First Mobile App**” took place on November 26–27, 2024, from 9:30 AM to 4:30 PM specifically for the III B.Tech CSE students at Bhoj Reddy Engineering College for Women. The session was led by **Mr. D. Obulaiah**, a Software Developer at **Madtech Solutions**, Hyderabad.

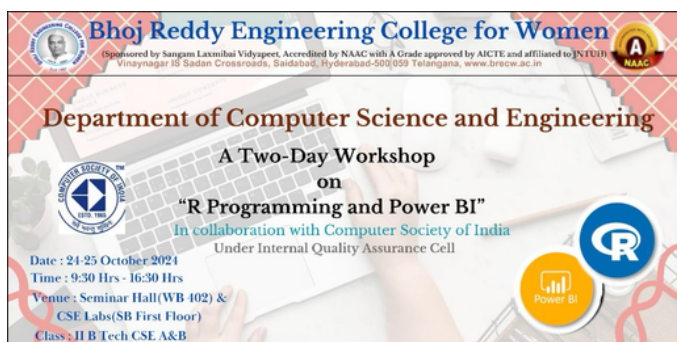
During the workshop, the speaker provided comprehensive coverage of core subjects, including Android fundamentals, Android Studio, interface design, application components, data management, and debugging practices. Furthermore, The speaker also guided the students in creating and refining a simple mobile application through interactive, hands-on sessions.



WORKSHOP: R PROGRAMMING

The two-day workshop on “**R Programming & Power BI**” took place on October 24–25, 2024, from 9:30 AM to 4:30 PM catering to the II B.Tech CSE (A & B) students of Bhoj Reddy Engineering College for Women. The session was led by **Mr. B. Kumar**, System Application Manager at **Perfexion Information Technologies Pvt. Ltd.**, Hyderabad.

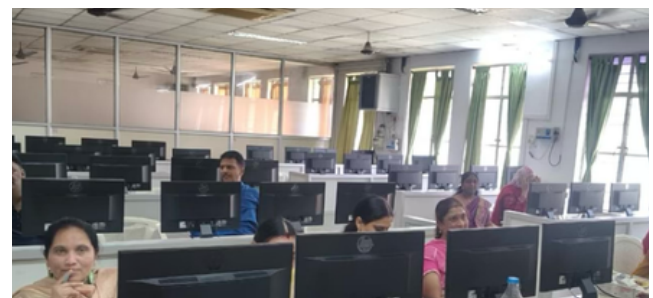
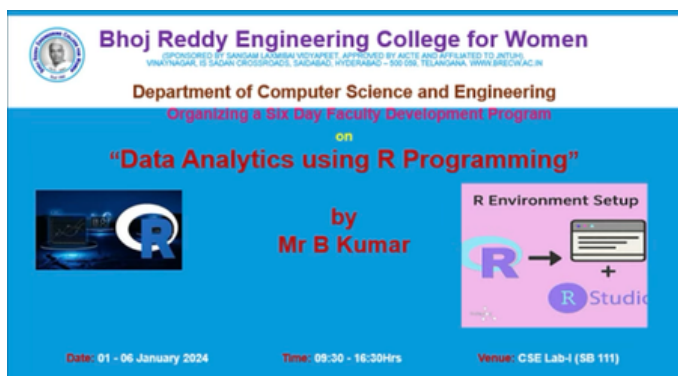
The speaker covered essential topics including the fundamentals of R programming, data manipulation and visualization, statistical analysis, as well as concepts related to Power BI such as data modeling, DAX, interactive dashboards, reporting, and sharing.



FACULTY DEVELOPMENT PROGRAM: DATA ANALYTICS

The Six-Day Faculty Development Program on “**Data Analytics using R Programming**” was conducted from January 01–06, 2024 between 9:30 AM to 4:30 PM at CSE Lab-I (SB 111), Bhoj Reddy Engineering College for Women under the Internal Quality Assurance Cell (IQAC). The sessions were led by Mr. B. Kumar, System Application Manager at Perfexion Information Technologies Pvt. Ltd., Hyderabad.

The resource person covered essential topics including fundamentals of R programming, data preprocessing and manipulation, statistical analysis, data visualization techniques, and real-world applications of data analytics. Hands-on sessions were conducted on implementing data analytics models using R tools and packages, enabling faculty members to gain practical exposure to data-driven applications.



FACULTY DEVELOPMENT PROGRAM: ADVANCE RESEARCH EXCELLENCE

We are pleased to announce that Internal Quality Assurance Cell is organizing Five-day Faculty Development Program (FDP) on **“Advancing Research Excellence: Exploring Latest Trends, Intellectual Property Rights, and Pathways to Successful Publications”**. It is scheduled to be held from 05 - 09 August 2024 at Seminar Hall WB 402.

Time	Day 1 (05.08.2024)	Day 2 (06.08.2024)	Day 3 (07.08.2024)	Day 4 (08.08.2024)	Day 5 (09.08.2024)
9:00 – 9:30	Inauguration				
9:30 – 16.30	Dr. B. Raveendranadh Singh Professor, Department of CSE, BRECW, Hyderabad Topic: The Importance of Research Work in Latest Trends at UG Level	Dr. G. Srinivas Ph.D (NITW), M.Tech (IIT BHU) Associate Professor, Department of Chemical Engineering, B V Raju Institute of Technology, Narsapur, Medak, Telangana Topic : Intellectual Property Rights (IPR): Scope and Process of Patent Filing	Dr J Madhavan , Professor, Department of ECE, BRECW, Hyderabad Topic: Ethics in Research and Plagiarism, Best Practices for Quality Publications	Dr. S. Asha Kiranmai Associate Professor, Department of EEE, BRECW, Hyderabad Topic : Mastering the Art of Research Paper Writing: A Step-by-Step Approach	Dr. K Sandhya Rani Associate Professor, Department of IT, BRECW, Hyderabad Topic: Funding Opportunities and Proposal Writing for Research Projects
16.00-16.30					Valedictory

Day 1 (05.08.2024): Emerging Trends in Research and Innovation

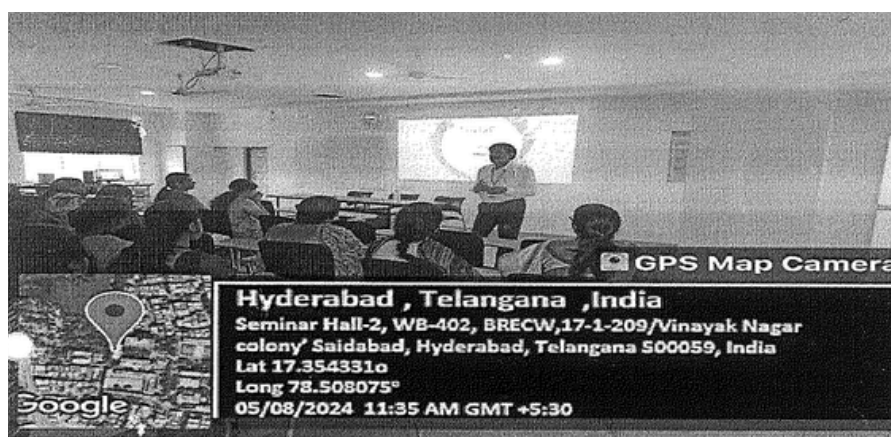
The first day of the Faculty Development Program featured a session on **“Emerging Trends in Research and Innovation”** by Dr. B. Raveendranadh Singh, Professor, Department of CSE, Bhoj Reddy Engineering College for Women, Hyderabad. The session emphasized the importance of interdisciplinary research and collaboration across diverse fields. Participants gained insights into emerging technologies such as AI, IoT, Data Analytics, and Sustainable Technologies, along with key innovation drivers including creativity, problem-solving, and real-world impact.



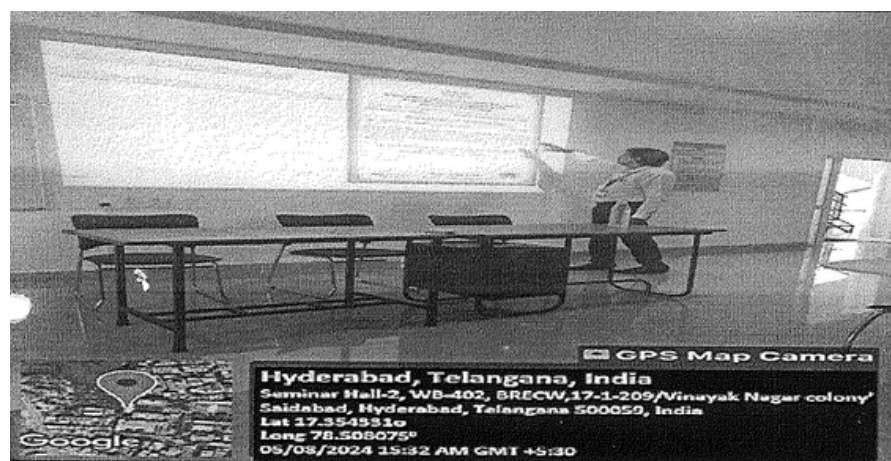
Dr. B. Raveendranadh Singh
HOD - CSE

FACULTY DEVELOPMENT PROGRAM: ADVANCE RESEARCH EXCELLENCE

The session further explored various research methodologies and provided insights into adapting research methods to suit evolving technological landscapes. Emphasis was placed on translational research, which bridges the gap between theoretical concepts and practical applications. Researchers were encouraged to adopt flexible and innovative approaches to enhance the relevance and effectiveness of their work.



Participants gained awareness of recent advancements in interdisciplinary research and emerging technologies such as AI, IoT, Data Analytics, Robotics, 5G/6G, and Renewable Energy. The session highlighted the role of innovation, industry collaboration, and evidence-based research in solving real-world problems. Faculty members also learned about research funding opportunities, technology transfer, and strategies for identifying research gaps to improve publication quality and project relevance.



FACULTY DEVELOPMENT PROGRAM - ANDROID BASICS

The Six-Day Faculty Development Program on “**Android Basics: Build Your First Mobile App**” was conducted from November 25–30, 2024 from 9:30 AM to 4:30 PM at Seminar Hall – II (WB 402), Bhoj Reddy Engineering College for Women, under the Internal Quality Assurance Cell (IQAC). The sessions were led by Mr. D. Obulaiah, Software Developer at Madtech Solutions, Hyderabad.

The resource person covered essential topics including Android fundamentals, Android Studio, user interface design, activity lifecycle, event handling, navigation between activities, data storage techniques using SQLite and shared preferences, debugging methods, and mobile application development practices. Hands-on sessions enabled faculty members to design and develop simple Android applications using practical approaches and modern development tools.

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Department of Computer Science and Engineering
 Organizing a
Six Day
 Faculty Development Program
 on
"Android Basics: Build Your First Mobile App"
 under Internal Quality Assurance Cell

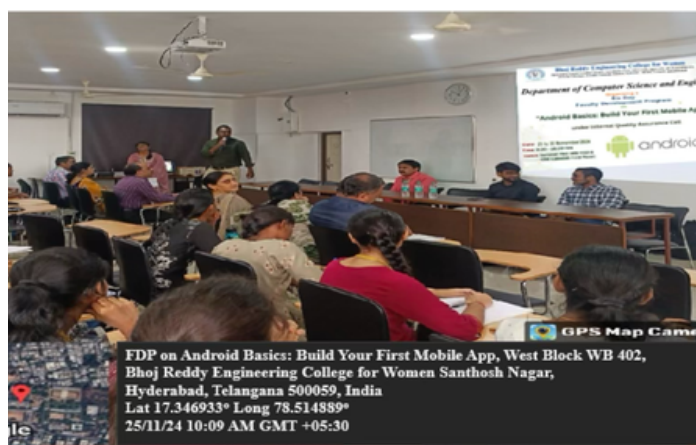
Date: 25 to 30 November 2024
Time: 9:30 - 16:30 Hrs
Venue: Seminar Hall (WB 402) & CSE Labs(SB First floor)

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Department of Computer Science and Engineering
 Organizing a Six Day Faculty Development Program
 on
"Android Basics: Build Your First Mobile App"
Date: 25 to 30 November 2024 **Time:** 09:30 to 16:30Hrs **Venue:** Seminar Hall – II (WB 402) & CSE Labs(SB First Floor)

About Bhoj Reddy Engineering College for Women
 Bhoj Reddy Engineering College for Women is sponsored and managed 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 70 years of experience in the field of education. The College has well experienced and committed faculty. The faculty development is actively pursued on a continuous basis.

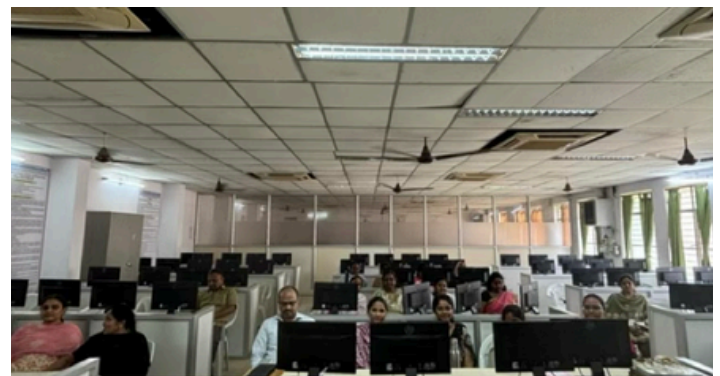
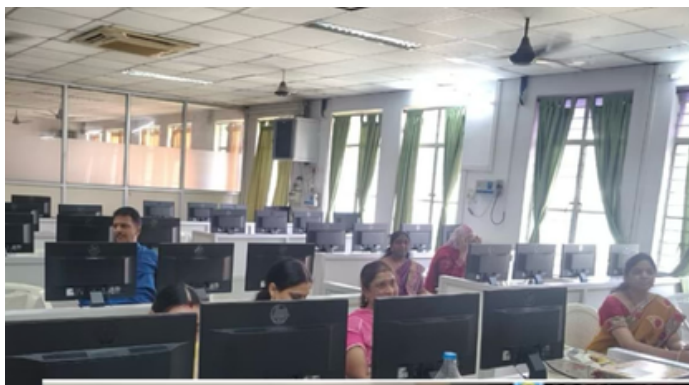
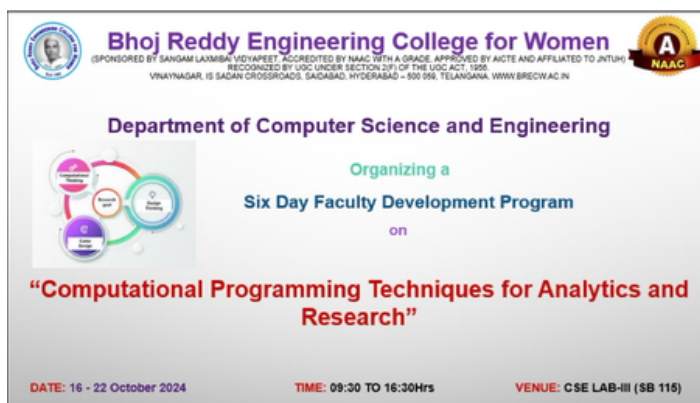
About CSE Department:
 The CSE department have well experienced faculty and well-established computer laboratories with high-speed interconnections. The department have an intake of 120 seats. The departments motive is to provide students with skills and knowledge to take on appropriate professional positions upon graduation and grow into leadership positions.



FACULTY DEVELOPMENT PROGRAM - COMPUTATIONAL PROGRAMMING

The Six-Day Faculty Development Program on “**Computational Programming Techniques for Analytics and Research**” was conducted from October 16–22, 2024, from 9:30 AM to 4:30 PM at CSE Lab-III (SB 115), Bhoj Reddy Engineering College for Women, under the Internal Quality Assurance Cell (IQAC). The sessions were delivered by Dr. Y. V. K. Ravi Kumar from BITS Pilani, Hyderabad.

The resource person covered essential topics including computational programming fundamentals, programming techniques for data analysis, data processing and visualization methods, advanced computational approaches for research applications, and practical case studies in analytics. Interactive sessions and hands-on demonstrations enabled faculty members to gain practical exposure to computational tools and modern analytical techniques useful for teaching and research activities.



FRESHERS DAY CELEBRATIONS

The Department of Computer Science and Engineering (CSE) at Bhoj Reddy Engineering College for Women successfully organized the **Freshers Day 2024–25** celebrations on **28th September 2024** at the Indoor Auditorium, Ramdev Block, from 9:45 AM to 4:30 PM. The event was conducted with the objective of extending a warm welcome to the newly admitted first-year students and helping them feel comfortable and connected with their seniors, faculty members, and the department. The program commenced with a formal welcome address that highlighted the importance of building friendships, developing confidence, and actively participating in both academic and extracurricular activities throughout their engineering journey.



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It is our pleasure to invite you all to the

Freshers Day-2024

19.09.2024 (Thursday)	- ECE B	26.09.2024 (Thursday)	- IT B
20.09.2024 (Friday)	- ECE A	27.09.2024 (Friday)	- CSE B
24.09.2024 (Monday)	- EEE	28.09.2024 (Saturday)	- CSE A
25.09.2024 (Wednesday)	- IT B	30.09.2024 (Monday)	- CSM

Venue : Indoor Auditorium, Ramdev Block.

Timings: 09:45 – 16:30 Hrs



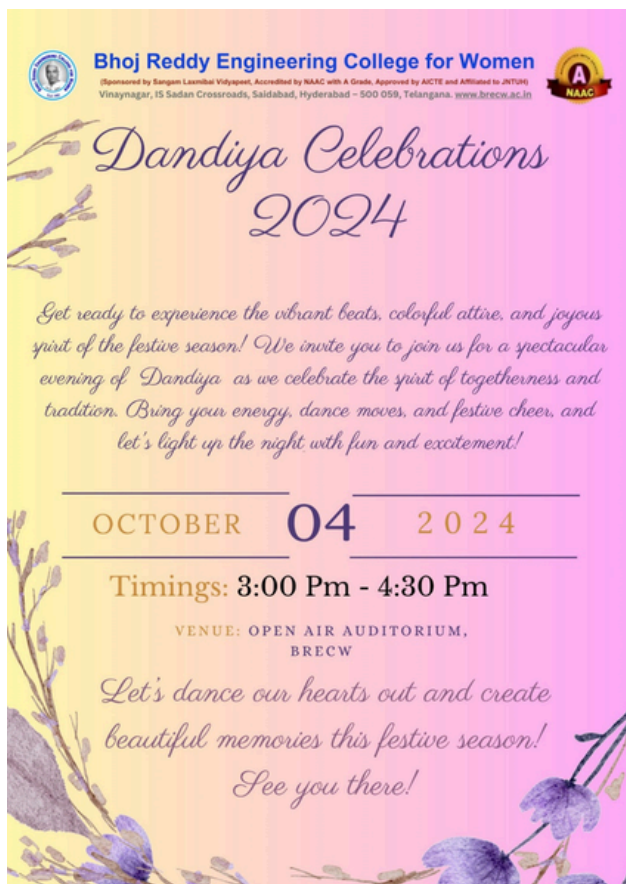
FRESHERS DAY CELEBRATIONS

The performances received tremendous appreciation from students, faculty members, and guests, making the event entertaining and memorable for everyone present. The enthusiasm displayed by the participants reflected their dedication and passion for extracurricular activities. Various titles and prizes were awarded to the winners in recognition of their outstanding performances and contributions to the success of the event. The entire program was efficiently coordinated by B. Pravalika, Assistant Professor, under the guidance of Dr. B. Raveendranadh Singh, Head of the Department, CSE, with valuable support from faculty members and student cultural coordinators. The event was closely monitored by Dr. J. Madhavan, Principal, and Mr. G. Dayakar Reddy, Vice Principal, whose encouragement and support greatly contributed to its smooth execution. Students from the I, II, III, and IV years of the CSE department actively participated in the festivities, strengthening bonds across batches and fostering a spirit of unity and teamwork. Beyond entertainment, the Freshers Day celebration provided a welcoming environment for the newly admitted students, helping them interact with their seniors and faculty members while creating lasting memories of their first major college event.



DANDIYA CELEBRATIONS

The “**Dandiya Celebrations 2024**”, held on 4 October 2024 at Bhoj Reddy Engineering College for Women as part of the Dussehra festivities, showcased a vibrant blend of tradition, culture, and community spirit. Organized by the Cultural Coordinator, D. Navaneetha, along with her dedicated team comprising R. Manju Bhargavi, S. Revathi, A. Vasavi Sujatha, G. Ranjitha, B. Pravalika, Shaguftha, S. Uma Maheshwari, A. V. Radhika, and N. Sony, the event was meticulously planned to celebrate India's rich cultural heritage while fostering joy and togetherness among students and staff. Held at the Open Air Auditorium, the celebration featured energetic Dandiya performances accompanied by lively music, creating an atmosphere filled with enthusiasm and festive cheer. Participants dressed in colorful traditional attire added to the visual grandeur of the event, while the rhythmic dance movements encouraged active participation from everyone present. The seamless coordination of the organizing team ensured the success of the program, making it a memorable occasion that strengthened bonds within the college community and reflected the true spirit of Dussehra.



DANDIYA CELEBRATIONS

The Dandiya Celebrations 2024 witnessed enthusiastic participation from students, faculty, and distinguished members of the college administration, including Dr. Ch. Sujatha Gangadhar, Chief Operating Officer; Dr. Gracy Shila Sree, Director of Academics & HR; Dr. J. Madhavan, Principal; Shri G. Dayakar Reddy, Vice Principal; Heads of various departments; and non-teaching staff members. The event commenced at 3:30 PM in the Open Air Auditorium, where participants dressed in colorful traditional attire gathered to celebrate the festive spirit of Dussehra through energetic Dandiya performances. The lively music, vibrant atmosphere, and active participation fostered a strong sense of unity, joy, and togetherness among all attendees. The celebration was a grand success, reflecting the rich cultural heritage of India and creating memorable moments for the entire college community.



BREAST CANCER AWARENESS PROGRAMME

The NSS Unit of Bhoj Reddy Engineering College for Women successfully organized a “**Breast Cancer Awareness Programme**” at the Ramdev Convention Centre (RCC) for B.Tech III year students. The program was conducted with the objective of creating awareness about breast cancer, its causes, symptoms, and the importance of early detection.

The session was delivered by Dr. D. Shirisha from Medicover Hospital, Hyderabad, who explained about breast cancer, its risk factors, genetic causes such as BRCA1 and BRCA2, and the importance of regular screening for early diagnosis. She also discussed preventive measures and encouraged students to adopt healthy lifestyle practices to reduce risks.

The program witnessed active participation from students and faculty members. The students were attentive and gained valuable knowledge about breast cancer awareness and the importance of early detection, making the event informative and successful.



PCOS AWARENESS PROGRAMME

The NSS Unit of Bhoj Reddy Engineering College for Women successfully organized a Guest Lecture on “**Polycystic Ovarian Syndrome (PCOS)**” at the Ramdev Indoor Auditorium for II B.Tech students. The program aimed to create awareness about **PCOS**, a common hormonal disorder affecting women of reproductive age.

The lecture was delivered by Dr. Poornima Durga, Chief Consultant at MOM IVF, who explained the symptoms, causes, and health complications associated with PCOS. She also discussed diagnosis methods, treatment options, and the importance of maintaining a healthy lifestyle through proper diet, exercise, and stress management.

The session was highly informative and interactive, where students actively participated and clarified their doubts. The program helped students gain awareness about women’s health issues and the importance of early diagnosis and preventive care.



