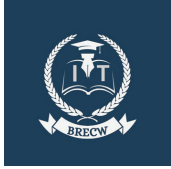


Department of Information Technology



NEWS LETTER

Digital Dispatch

Year 2023 Volume 5 Issue 1



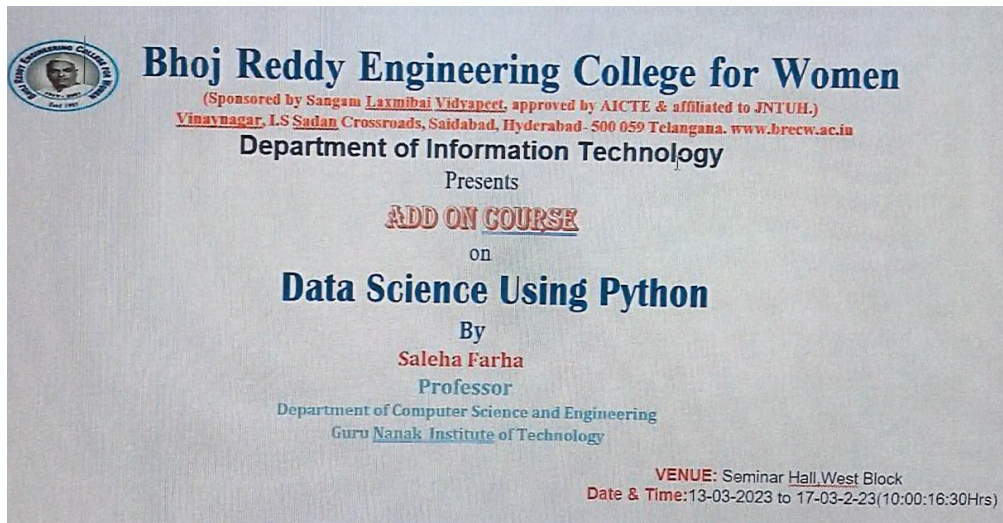
Bhoj Reddy Engineering College for Women



TABLE OF CONTENTS

- Add on course
- Faculty FDPs
- Guest lecture
- Workshop
- Sports
- Women's day
- Faculty sports and cultural

Add - on Course on “DATA SCIENCE USING PYTHON”



The IT Department conducted an add-on course on "Data Science using Python" for the II and III year IT - A and B sections from March 13, 2023, to March 17, 2023. A total of 260 students participated in the program. The lectures were scheduled daily from 09:30 to 16:30 hours, with a one-hour lunch break from 12:30 to 13:30 hours.

The course was designed to provide students with a comprehensive understanding of data science principles and practical skills using Python. The curriculum covered essential topics such as data manipulation, visualization, statistical analysis, machine learning, and the use of popular Python libraries like Pandas, NumPy, Matplotlib, and Scikit-learn.

Mrs. Saleha Farha, a Professor in the Department of Computer Science and Engineering at GNIT, served as the resource person. With her extensive experience in data science and a passion for teaching, Mrs. Farha delivered engaging lectures and hands-on sessions that enabled students to apply theoretical knowledge to real-world data problems.

Throughout the course, students were involved in various activities, including interactive coding sessions, group projects, and problem-solving exercises. They also had the opportunity to work on mini-projects focusing on real-life datasets, allowing them to gain practical experience and build their portfolios.



Students in the lab to attend the course

Faculty FDs, Workshops, Conferences attended

S.No	Name of the participant	Title of the FDP / professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)
1	C.Murugamani	Boot camp and I day hackathon on "Amazon Web Services"	23 Feb 2023 - 25 Feb 2023
2	M Sandhya Rani	AIML applications in Engineering by NIT,warangal	20th Feb 2023- 1 March 2023
3	D Navaneetha	AIML applications in Engineering by NIT,warangal	20th Feb 2023- 1 March 2023
4	G Jyothi	AIML applications in Engineering by NIT,warangal	20th Feb 2023- 1 March 2023
5	Mehveen M K	AIML applications in Engineering by NIT,warangal	20th Feb 2023- 1 March 2023
6	TasneemRahath	AIML applications in Engineering by NIT,warangal	20th Feb 2023- 1 March 2023
7	T Santosh	AIML applications in Engineering by NIT,warangal	20th Feb 2023- 1 March 2023
		NPTEL on "Introduction to Artificial Intelligence"	Jan -April 2023
8	Minhaj Begum	AIML applications in Engineering by NIT,warangal	20th Feb 2023- 1 March 2023
		AI Applications for Engineers	23rd Jan - 1st Feb 2023
9	M Sravanthi	IOT with Raspberry Pi workshop	27 Feb 2023 to 03 Mar 2023
		Boot camp and I day hackathon on "Amazon Web Services"	23 Feb 2023 - 25 Feb 2023
		AIML applications in Engineering by NIT,warangal	20th Feb 2023- 1 March 2023

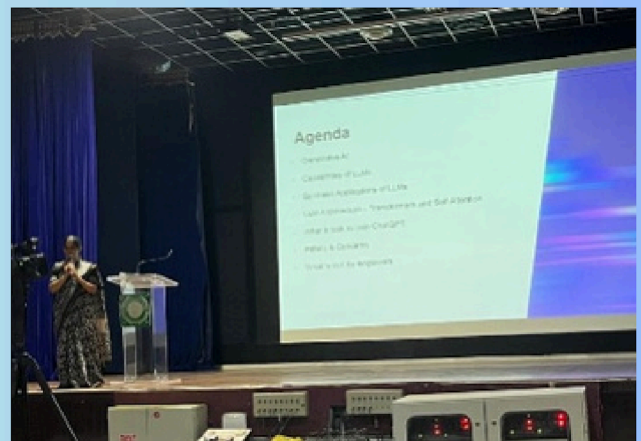
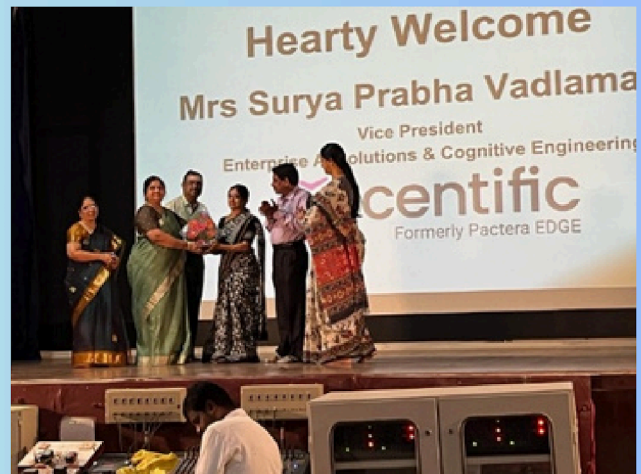
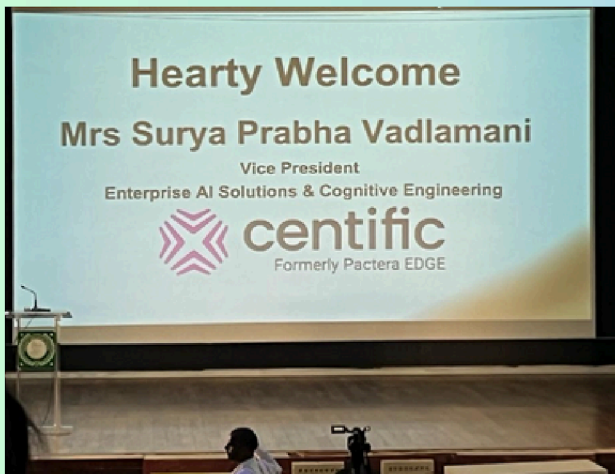
Faculty FDs, Workshops, Conferences attended

10	S Revathi	AIML applications in Engineering by NIT,warangal	20th Feb 2023- 1 March 2023
11	T Sudha Rani	Boot camp and 1 day hackathon on “Amazon Web Services”	23 Feb 2023 - 25 Feb 2023
		AIML applications in Engineering by NIT,warangal	20th Feb 2023- 1 March 2023
12	IshrathNousheen	Microsoft System Center Configuration Management	21 & 22 June 2023
		Master Class on Data Science	13 Mar 2023 to 13 Apr 2023
		AIML applications in Engineering by NIT,warangal	20th Feb 2023- 1 March 2023
13	G Geetha Devi	AIML applications in Engineering by NIT,warangal	20th Feb 2023- 1 March 2023
		AIML applications in Engineering by NIT,warangal	20th Feb 2023- 1 March 2023
14	ShaistaSayeed	AIML applications in Engineering by NIT,warangal	20th Feb 2023- 1 March 2023

GUEST LECTURE on “Artificial Intelligence and ChatGPT”

A session on “Artificial Intelligence and ChatGPT” is being organised for all the SLV associated college faculty members of BRECW on 13 May 2023 (Saturday).

The guest speaker for the session,
Mrs Surya Prabha Vadlamani
Vice President
Enterprise AI Solutions & Cognitive Engineering.
Hyderabad.



Workshop IoT Using Raspberry Pi



The poster is for a 5-day workshop titled "IoT Using Raspberry Pi" held from February 27th to March 3rd, 2023. It is organized by the Department of Information Technology and the Department of Computer Science and Engineering at Bhoj Reddy Engineering College for Women. The college is sponsored by Sangam Laxmibai Vidyapeet, approved by AICTE, and affiliated to JNTUH. The location is Vinaynagar, I.S. Sadan Crossroads, Saidabad, Hyderabad-500 059, Telangana. The website www.brecw.ac.in is provided. The poster also mentions an association with the Center for Continuing Education (CCE) and the Department of Computer Science & Engineering at NIT-Warangal. The venue is Seminar Hall (West block, 402). The poster includes logos for the college, the institute, and various IoT-related icons like a Wi-Fi symbol, a Raspberry Pi, a network diagram, and a laptop.

Bhoj Reddy Engineering College for Women
(Sponsored by Sangam Laxmibai Vidyapeet, approved by AICTE & affiliated to JNTUH.)
Vinaynagar, I.S. Sadan Crossroads, Saidabad, Hyderabad- 500 059 Telangana. www.brecw.ac.in

**Department of Information Technology &
Department of Computer Science and Engineering**

A 5-day Workshop on
IoT Using Raspberry Pi
From 27th February to 3rd March, 2023

In association with
**Center for Continuing Education(CCE) &
Department of Computer Science & Engg, NIT-Warangal**

VENUE : Seminar Hall(West block, 402)
DATE : 27-02-2023 TO 03-03-2023

Workshop Title: IoT Using Raspberry Pi

Date: 27th February to 3rd March 2023

Organized by: Center for continuing education(CCE) & Department of Computer Science & Engineering, NIT-Warangal

Objectives:

- Introduce participants to the fundamentals of Internet of Things (IoT) and its applications.
- Teach participants how to use Raspberry Pi as a platform for IoT projects.
- Provide hands-on experience in setting up and configuring Raspberry Pi.
- Demonstrate practical applications of IoT using sensors and actuators.

Topics Covered:

1.Introduction to IoT:

- Definition and scope of IoT.
- Applications and use cases in various industries.

2.Introduction to Raspberry Pi:

- Overview of Raspberry Pi hardware and software.
- Installation and setup of Raspberry Pi.

3.Basic Electronics with Raspberry Pi:

Working with LEDs, buttons, buzzers, and sensors (e.g., DHT, Ultrasonic).

Workshop IOT Using Raspberry Pi

4. IoT Project Development:

- Creating a weather monitoring system using Raspberry Pi and sensors.
- Building a smart agriculture system with soil moisture and temperature sensors.
- Developing a smart city application for monitoring and alerting using cloud services.

5. Integration with Cloud Services:

- Overview of cloud platforms for IoT (e.g., AWS IoT, Google Cloud IoT).
- Setting up data communication between Raspberry Pi and cloud servers.
- Implementing data analytics and visualization for IoT data.

6. Advanced Topics:

- Using Raspberry Pi for home automation and smart devices.
- Security considerations in IoT applications.
- Integration of IoT with other emerging technologies (e.g., AI, Machine Learning).

Methodology:

- The workshop typically includes lectures, demonstrations, hands-on lab sessions, and project work.
- Participants are encouraged to work in teams to complete practical assignments and projects.
- Guest lectures or industry experts may be invited to share insights into real-world IoT applications.



Inter College Competitions

Students have enthusiastically participated in various outdoor games such as basketball, volleyball, and throwball.

CVR College Visit: held on 3rd February 2023.



VJIT College Visit: held on 2nd March, 2023.



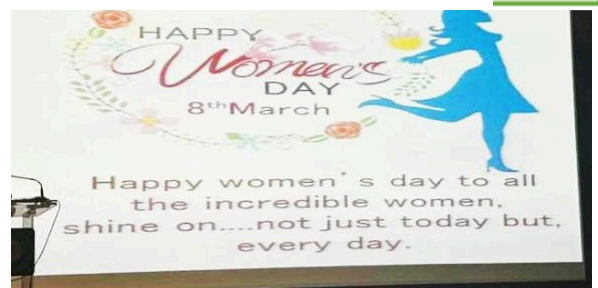
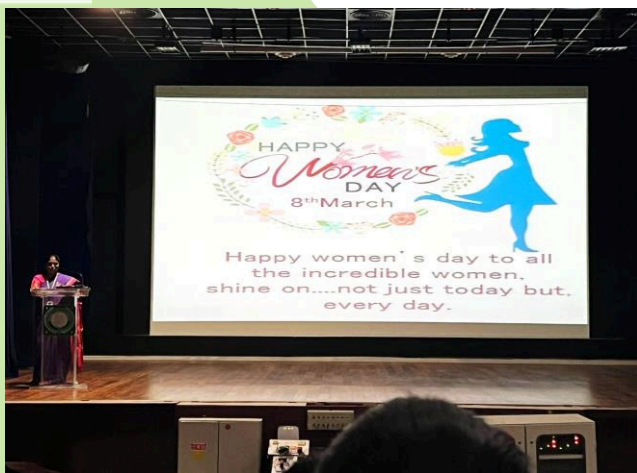
Anurag University Visit: held on 9th March, 2023.



Women's Day Celebrations held on 8th March, 2023.

International Women's Day is a global celebration of the social, economic, cultural, and political achievements of women. It also serves as a call to action for advancing gender equality. Around the world, various groups come together to commemorate women's accomplishments and advocate for gender parity.

At our college, the management took a wonderful initiative to celebrate Women's Day, recognizing and honoring the dedication, hard work, and contributions of women in their respective roles. The event highlighted their achievements and underscored the importance of gender equality in all aspects of life and work. It was a meaningful occasion that brought together the college community to appreciate and empower women's roles and achievements.



IT Women actively participated in women's day celebrations

Faculty Sports Day

Faculty members enthusiastically participated in various outdoor sports activities including volleyball, throwball, tennicoit, and basketball held on March 11, 2023. The event was marked by spirited competition and camaraderie among the participants. It provided a refreshing break from academic routines and allowed faculty members to engage in healthy physical activities together. The sports day fostered team spirit, fitness, and mutual support among the faculty, contributing to a vibrant and active community within the institution.



Faculty participation at the sports ground

Staff Cultural Event

Date: February 25, 2023

Venue: Bhoj Reddy Engineering College for Women

Introduction

On February 25, 2023, a vibrant and engaging cultural event was held for the staff members of Bhoj Reddy Engineering College for Women. The event aimed to foster a sense of community, celebrate the diverse talents of the staff, and provide a platform for relaxation and enjoyment outside of the regular work environment.

Objectives

- **Community Building:** To strengthen the bonds among staff members through shared cultural experiences.
- **Talent Showcase:** To provide an opportunity for staff to display their talents and hobbies.
- **Recreation and Enjoyment:** To offer a break from the routine and promote overall well-being and morale.

Event Highlights

Inaugural Session

- **Welcome Address:** Highlighted the importance of cultural events in promoting unity and enhancing workplace culture.
- **Opening Performance:** A traditional dance performed by a group of staff members, setting the tone for the event.



Talent Show

- **Music Performances:**
 - Solo singing by [Name], who performed a medley of popular songs.
 - Instrumental performances, including a captivating violin solo by [Name] and a piano piece by [Name].
- **Dance Performances:**

A classical dance performance by [Name], showcasing intricate footwork and expressive storytelling.



Staff Cultural Event held on 25th February,2023.

With lively stage performances showcasing a variety of talents, the faculty celebrated a cultural event where they recognized outstanding contributions and distributed awards. The event featured diverse cultural performances, ranging from music and dance to drama and poetry recitations. It provided a platform for faculty members to showcase their artistic skills and fostered a sense of community among colleagues. Awards were presented to acknowledge achievements in teaching, research, and overall contributions to the institution, creating a vibrant and celebratory atmosphere among participants.



IEEE Xplore Digital Library

**IEEE Xplore®
Digital Library**

The Institute of Electrical and Electronics Engineers (IEEE) is a professional organization that promotes the advancement of technology. The awareness program is an initiative aimed at increasing awareness of the organization's benefits and resources among engineering students.

Date: 20 March 2023
Venue: Ramdev Indoor Auditorium (RIA).

Time (Hrs.)	Class-Section
10:30-11:30	III ECE-A, B, C & EEE
11:40-12:40	III CSE A, B & IT A, B

**Get in Touch with
Coordinator**
Ms. R Manju Bhargavi

MOBILE NUMBER:
9849867986

EMAIL ADDRESS:
**Manjubhargavi.rach
arla@slv-edu.in**

WEBSITE:
www.brecw.ac.in




**Bhoj Reddy
Engineering
College for Women**

Presents

IEEE User Awareness
Programme on

**"IEEE Explore New Features
for Research Efficiency"**

Conducted by

Mr. M S Srinivas
IEEE Training Manager
Telangana & Karnataka

IEEE Xplore Digital Library: An Overview

The IEEE Xplore Digital Library is a premier research database for discovering and accessing scientific and technical content published by the Institute of Electrical and Electronics Engineers (IEEE) and its publishing partners. Here is a detailed overview of its key features, content, and benefits:

Key Features

1.Comprehensive Coverage:

- **Journals and Magazines:** IEEE Xplore provides access to over 200 top-cited journals and magazines in various technology fields.
- **Conferences:** The platform includes papers from more than 1,800 annual conferences, making it a significant resource for the latest research and developments.
- **Standards:** IEEE Xplore houses a vast collection of IEEE standards, which are critical for the development and deployment of technology.
- **eBooks:** A wide range of eBooks from IEEE-Wiley and MIT Press are available, covering emerging technologies and foundational topics.

2.Advanced Search Capabilities:

- Users can perform advanced searches using specific keywords, authors, publication titles, and date ranges.
- Filters and search refinements help narrow down results to the most relevant content.

3.Personalization and Alerts:

- Users can set up personalized alerts to stay updated on the latest research in their areas of interest.
- Customizable dashboards and saved searches enhance user experience and efficiency.

IEEE Xplore Digital Library

4. Citation and Reference Tools:

- IEEE Xplore provides tools for easy citation management and exporting references in various formats.
- Integration with reference management software helps streamline the research process.

Content and Access

1. Technical Papers and Articles:

- IEEE Xplore includes millions of articles from a wide range of engineering and technology disciplines, including electrical engineering, computer science, biomedical engineering, and telecommunications.

2. Global Collaboration:

- The platform supports global collaboration by providing access to a diverse range of content from international authors and researchers.

3. Accessibility:

- IEEE Xplore offers institutional subscriptions, making it accessible to universities, corporations, and research organizations worldwide.
- Individual subscriptions and pay-per-view options are also available for independent researchers and professionals.

Benefits for Researchers and Professionals

1. Cutting-Edge Research:

- Users have access to the latest advancements and cutting-edge research in technology and engineering.
- High-impact articles and influential conference papers provide insights into emerging trends and future directions.

2. Innovation and Development:

- Access to IEEE standards and best practices supports innovation and development in various industries.
- Researchers can leverage IEEE Xplore for literature reviews, hypothesis formulation, and experimental design.

3. Academic and Professional Growth:

- IEEE Xplore serves as a valuable resource for academic coursework, thesis work, and dissertation research.
- Professionals can stay updated with continuing education materials and resources to enhance their skills and knowledge.

Conclusion:

The IEEE Xplore Digital Library is an indispensable resource for researchers, academics, and professionals in engineering and technology. Its extensive collection of journals, conference papers, standards, and eBooks provides a comprehensive platform for discovering, accessing, and utilizing high-quality technical content.

2-Day Free Workshop on How to Get Placements in MNCs

Organized by: IIT Bombay

For: IV B Students (CSE, IT, EEE, ECE)

Date: 6th and 7th May, 2023

Introduction:

A two-day free workshop on "How to Get Placements in MNCs" was organized by IIT Bombay for final year students of Computer Science and Engineering (CSE), Information Technology (IT), Electrical and Electronics Engineering (EEE), and Electronics and Communication Engineering (ECE) departments. The workshop aimed to provide students with valuable insights, practical tips, and strategies to enhance their employability and secure placements in multinational companies (MNCs).

Bhoj Reddy Engineering College for Women

In association with
IIT Bombay
Present's

A 2 days of Free workshop on
How to get a Placement in MNC
For IV B Tech students (CSE, IT, EEE, ECE)
Date(s): 6 and 7 May 2023
Speaker: Mr. Umesh Yadav

What you will learn (Highlight):

1. Why 80% Engineer's are unemployed (Paid less)
2. How to get minimum 10LPA + package
3. What are 3 criteria company uses to shortlist your profile
4. What is ATS & Why top 500 companies uses it to shortlist candidate
5. How to secure your job from ChatGPT, Robotics & Automation
6. How recruitment will happen in future & How to survive recession
7. Roadmap of top Institute students like IIT, Stanford, Harvard etc. on how they get early & high paying job

Free Bonuses:

1. Certificate from Abhyuday IIT Bombay which can be used during placement
2. 50 companies question paper to get job
3. Free course by corporate leaders (HR of LinkedIn, Oracle, etc.) on what's working now in Industry
4. 7 E-books on communication hacks to interact with your target company
5. A session on what to do if you have a backlog or low percentage.

Saturday 7PM in Evening & Sunday 11AM in Morning:

Price ~~Rs. 1999~~
Free

Workshop Objectives

- **Understanding the Placement Process:** To familiarize students with the typical recruitment process followed by MNCs, including resume shortlisting, aptitude tests, technical interviews, and HR interviews.
- **Resume Building:** To teach students how to create a compelling resume that highlights their skills, experiences, and achievements.
- **Aptitude Test Preparation:** To provide strategies and practice sessions for aptitude tests commonly used in campus placements.
- **Technical Skills Enhancement:** To offer tips on preparing for technical interviews, including subject-specific guidance for different engineering streams.
- **Soft Skills Development:** To focus on communication skills, group discussions, and personal interviews to build confidence and professionalism.
- **Mock Interviews:** To conduct mock interviews to simulate real-life interview scenarios and provide constructive feedback.

Day 1: Workshop Agenda

Inaugural Session

- **Welcome Address:** Opening remarks by the workshop coordinator from IIT Bombay.
- **Keynote Speech:** Delivered by a senior HR executive from a leading MNC, discussing the importance of preparation and the expectations of recruiters.

2-Day Free Workshop on How to Get Placements in MNCs

Session 1: Resume Building

- **Speaker:** Industry expert with experience in recruitment.
- **Content:**
 - Importance of a well-structured resume.
 - Key components of an effective resume.
 - Common mistakes to avoid.
 - Tailoring the resume for specific job roles.

Activity: Interactive session where students worked on their resumes with real-time feedback.

Session 2: Aptitude Test Preparation

- **Speaker:** Renowned aptitude trainer.
- **Content:**
 - Overview of different types of aptitude tests.
 - Tips and tricks to solve quantitative, logical reasoning, and verbal ability questions.
 - Time management strategies during tests.

Activity: Practice test sessions with sample questions and solutions.

Day 2: Workshop Agenda

Session 3: Technical Skills Enhancement

- **Speaker:** Faculty members from IIT Bombay and industry professionals.
- **Content:**
 - Core subject knowledge for CSE, IT, EEE, and ECE.
 - Important topics and frequently asked questions in technical interviews.
 - Coding practice and problem-solving techniques for CSE and IT students.
 - Circuit design and analysis tips for EEE and ECE students.

Activity: Hands-on coding sessions and technical problem-solving exercises.

Session 4: Soft Skills Development

- **Speaker:** Communication skills trainer.
- **Content:**
 - Importance of effective communication in interviews and workplace.
 - Techniques for participating in group discussions.
 - Body language and professional etiquette.

Activity: Group discussion practice and personal interview role-plays.

Session 5: Mock Interviews

- **Panel:** Experienced HR professionals and faculty members.
- **Content:**
 - Conducting mock interviews in a realistic setting.
 - Providing individualized feedback to each student.
 - Identifying strengths and areas for improvement.