



DIGITAL DISPATCH



JULY - DECEMBER, 2024 VOLUME 6 ISSUE 2

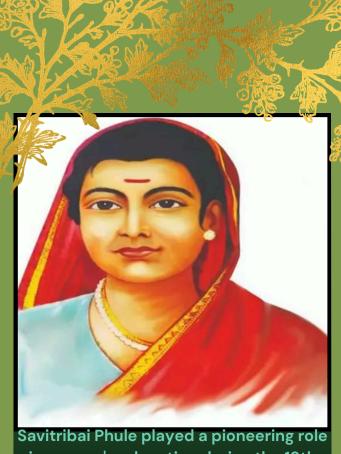
BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN



Chandraprava Saikiani was an Assamese freedom fighter, activist, writer, and social reformer considered to be the pionee of the feminist movement in Assam

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Savitribai Phule played a pioneering role in women's education during the 19th century in India....

ATAL FDP on "Innovative Approaches to Cyber Security and Digital Forensics: Tools, Techniques and Best Practices"



Department of IT conducted Faculty Development Program on" Innovative Approaches to Cyber Security and Digital Forensics: Tools, Techniques and Best Practices" which is aimed to equip educators with up-to-date knowledge and practical skills in cyber security and digital forensics. The program will deepen understanding of current cyber threats, enhance awareness, and provide hands-on experience with modern tools and techniques. Topics in this FDP include advanced cyber security threats, forensic analysis, and integrating these concepts into education and research. Participants will gain skills to improve teaching, research, and student awareness of evolving digital security challenges.

Topics Covered as a Part of FDP:

Basic concepts of Cyber Security and Digital Forensics
☐ Cyber Landscape: Key trends, threats and strategies for protection
☐ Advanced Cyber Security Tools
☐ Methods and Approaches in Cyber Security
☐ Forensic Investigation in Cyber Security
☐ Computer Forensics Tools and Techniques
☐ Analyze and Validating the Forensic Data
☐ Forensic Implications on Block chain Technology
☐ Best Practices and Standards in Cyber Security and Digital Forensics
☐ Privacy Issues and Data Protection☐

ATAL FDP on "Innovative Approaches to Cyber Security and Digital Forensics: Tools, Techniques and Best Practices"

Inaugural session

INAUGURAL SCHEDULE

Date: 16th December 2024 (Monday)

Time 06:00 PM

Joining of online inaugural session by

Dr K Gracy Saila Sree, Director, Academics & HR, SLV

Dr J Madhavan, Principal, BRECW,

Mr G Dayakar Reddy, Vice Principal, BRECW,

Dr C Murugamani, Head of Department, Department of IT,

Dr M Sandhya Rani, Coordinator, ATAL FDP Online and

Mr G Sudhakar Raju, Co-Coordinator, ATAL FDP Online

06:05 PM Opening Address by Coordinator

06:10 PM Address by Head of the Department, Department of IT

06:15 PM Address by Principal, BRECW

06:20 PM Inaugural Address by Director

06:27 PM Proposed Vote of Thanks by Co-Coordinator

Outcome of the FDP

The outcome of this 6-Day FDP will be the development of a comprehensive skill set in Cyber Security and Digital Forensics for educators. Participants will gain practical knowledge of key trends, advanced tools, and methods for securing digital systems and investigating cybercrimes. They will learn to apply forensic techniques, analyze and validate data, address privacy issues, and understand best practices and standards. Additionally, insights into emerging technologies like block chain and innovations in both fields will be explored.



ATAL FDP on "Innovative Approaches to Cyber Security and Digital Forensics: Tools, Techniques and Best Practices"

Resource persons and their Topics covered in FDP



Resource Person



Mr Sandeen Mudalkar CEO Sytech Labs, Hyderabad

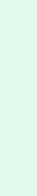
Topicscoveredinthissessionare:

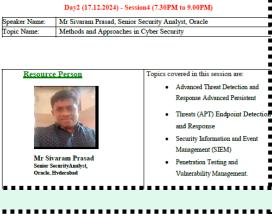
- · Digital Forensics in real time
- Concepts of Threats and real world Cyber Crime
- Basics of Forensic Investigations

	Dayl (16.12.2024) - Sess	sion2 (8PM to 9.30PM)
Speaker Name: Topic Name:	Mr Pavan Kumar Bandaru, Vice Navigating the Cyber Landscap	President, Wissen Infotech e: Key trends, threats and strategies for protecti
Mr Pa	e Person avan Kumar Bandaru aident, Wissen Infotech, Hyderabad	Topics covered in this session are: Cyber Security Threats Key Trends and real world examples Cloud Security Data Protection Policies

aker Name:	Mr Srinivas Lakkapragada, Solution Architect, NCS, Singapore		
c Name:	Advanced Cyber Security Tools		
Resource Person			
	1	Topics covered in this session are: Cyber Security Standards Intrusion Detection Systems (IDS) & Intrusion Prevention Systems (IPS)	
1		Endpoint Detection and Response Cyber Security Procedures and	

Solution Architect,NCS,Singapore Laws in India and International.	Resource Person Mr Strinivas Lakkapragada Solution Architect,NCS,Singapore	Topics covered in this session are: Cyber Security Standards Intrusion Detection Systems (IDS) & Intrusion Prevention Systems (IPS) Endpoint Detection and Response Cyber Security Procedures and Laws in India and International.
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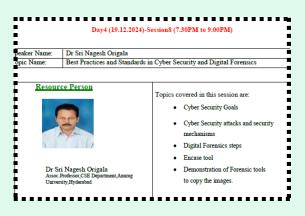








Topic Name: Anal	ai Sateesh yze and Validating t	he Forensic Data
Mr Sai Sateeth CEO, Indian Server		Topics covered in this session are: • Analyzing Forensic Data • Demonstration of Wireshark Tool to trace the data Packets • Hands on session for retrieving deleted data • Command line Tools to know Protection of Data



ATAL FDP on "Innovative Approaches to Cyber Security and Digital Forensics: Tools, Techniques and Best Practices"





valedictory

The session concluded with a vote of thanks by Ms G Jyothi, organizing committee member, who expressed heartfelt gratitude to the management, Principal, Vice Principal of BRECW for their continuous support, AICTE Training and Learning (ATAL) Academy for their collaboration, and the resource persons for sharing their expertise.

Annual Students Sports & Games Meet 2024-25 at Bhoj Reddy Engineering College for Women

Hyderabad, December 2, 2024: Bhoj Reddy Engineering College for Women held its "Annual Students Sports & Games Meet 2024-25" on November 30 and December 2, 2024, with great excitement and energy. Students from all B.Tech years participated in various sports like Volleyball, Basketball, Running, Relay, Chess, Carrom, and Table Tennis, held across different college grounds.

The event was graced by Chief Operational Officer Dr. Sujatha Gangadhar, Director of HR and Academics Dr.GracySailaSree, Principal Dr. J Madhavan, Vice Principal Mr. G Dayakar Reddy and Conducted by Sports & Games Committee under the Guidance of Dr Samit Kumar Singh, Coordinator of Sports & Games Committee.



They praised and encouraged the students, highlighting the importance of sports in building teamwork, discipline, and confidence. Dr.Madhavan, Principal stated, "This event is not just about winning but about growing together as a community."

The finals on December 2 saw thrilling matches, with students giving their best performances. The event showcased the college's dedication to promoting all-round development and left students eagerly waiting for next year's edition.



Annual Students Sports & Games Meet 2024-25 at Bhoj Reddy Engineering College for Women



GLIMPSES

- HANDBALL
- THROWBALL
- VOLLEYBALL
- BASKETBALL
- KHO KHO
- RELAY RACE
- TENNIKOIT DOUBLES
- RUNNING
- CHESS
- CARROMS DOUBLES
- CARROMS DOUBLES





Annual Students Sports & Games Meet 2024-25 at Bhoj Reddy Engineering College for Women

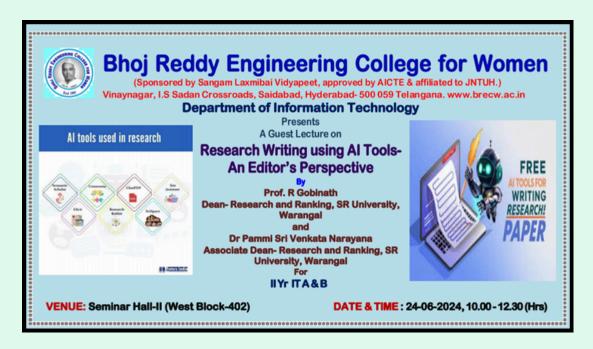


Sport Name	NAME	Roll No	Section & Year
THROWBALL	D Pranathi	21321A1266	IV IT B
THROWBALL	V Saisri	21321A1284	IV IT B
THROWBALL	C Sharvani	21321A1294	IV IT B
THROWBALL	V Shruthi	22321A12B5	III IT B
THROWBALL	R Preethi	22321A1267	III IT B
THROWBALL	P Varshitha	22321A12C3	III IT B
THROWBALL	S Sravya	23321A12A3	II IT B
THROWBALL	V Rishitha	24321A1275	I IT B
THROWBALL	R Sahasra	24321A1281	IITB
THROWBALL	J Soumya	24321A12A8	IITB
TENNIKOIT	D Sathvika	21321A1289	IV IT B
TENNIKOIT	P Varshitha	22321A12C3	III IT B
RUNNING	K Rakshitha Reddy	23321A1268	II IT B

Sport Name	NAME	Roll No	Section & Year
BASKETBALL	S Lovkya	21321A1245	IV IT A
BASKETBALL	K Amulya	21321A1209	IV IT A
BASKETBALL	K Nandini	22321A1255	III IT A
BASKETBALL	Mansha Guptha	23321A1250	II IT A
BASKETBALL	Ch Neha	24321A1255	I IT A
BASKETBALL	P Nishitha	22321A1259	III IT A
BASKETBALL	G Ansika	21321A1214	IV IT A
BASKETBALL	J Madhu Sree	24321A1241	IITA
CHESS	B Sravya	24321A12B2	I IT B



Guest Lecture on "Research Writing using AI Tools".



The IT department has conducted a guest lecture on "Research Writing using AI Tools" for II IT A and B students on 24th June 2024. A total of 140 students have participated in this guest lecture. The lecture was scheduled from 10:00 to 12:30 Hrs. It is conducted by Prof R Gobinath, DeanOResearch&Ranking, SR University, Warangal and Dr Pammi Sri Venkata Narayana, Associate Dean-Research&Ranking, SR University, Warangal.



Ms Likitha Konam(II IT A) presenting welcome note

The objective of this lecture:

- 1. Introduction to AI Tools for Research Writing
- 2. Editorial Insights and Best Practices
- 3. Ethical Considerations
- 4. Case Studies and Examples
- 5. Interactive Session and Q&A
- 6. Future Trends

Guest Lecture on "Research Writing using AI Tools".





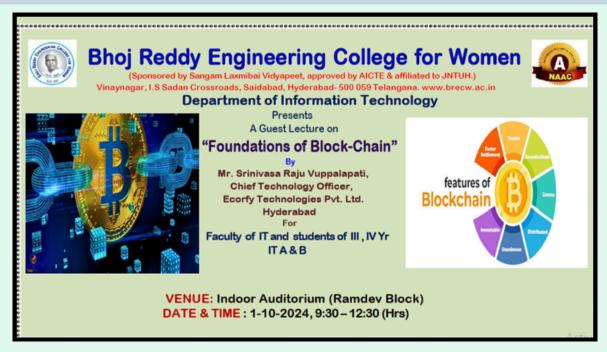
Dr C Murugamani giving a bouquet to Dr Pammi Sri Venkata Narayana(Left) and Dr C Murugamani giving resourceful information about Research Writing(Right).



Faculty and Students of II year A and B section are seen attending the session

The IT department is really thankful to the speaker, Mr R Gobinath for taking to the session and sharing his valuable knowledge. Also, a big thanks to BRECW Management for making the necessary arrangements in time to make this session a huge success.

Guest Lecture on "Foundations of Block-chain"



The IT department has hosted a guest lecture on "Foundations of Blockchain" for III, IV B Tech IT –A, B students on 1 October 2024. The guest lecture is scheduled from 10:00 to 12:30 Hrs. at Indoor Auditorium (Ramdev Block).

The objective of this lecture would be:

- 1. Understanding Core Blockchain Concepts
- 2. Comprehending Blockchain Mechanics
- 3. Introducing Cryptographic Foundations
- 4. Explaining Smart Contracts and dApps
- 5. Exploring Blockchain Platforms and Use Cases
- 6. Identifying Blockchain's Challenges and Limitations
- 7. Exploring Emerging Trends and Future Directions
- 8. Encouraging Critical Thinking and Q&A

The lecture covered a wide range of topics, including but not limited to:

- Introduction to Blockchain: The guest speaker began by explaining the basic concept of blockchain as a decentralized and distributed ledger technology.
- **Components of Blockchain**: Detailed discussions were held on blocks, chains, miners, consensus algorithms, and the importance of cryptographic security.
- **Blockchain Types**: A comparison of public, private, and consortium blockchains was made to help students understand the different types of blockchains and their use cases.

Guest Lecture on "Foundations of Block-chain"



The lecture was highly interactive, students engaging discussions and asking insightful questions. The guest speaker encouraged students to explore further by providing them with recommended resources for selfstudy and research. The Q&A session at the end of the lecture gave students an opportunity to clarify doubts and gain a deeper understanding of blockchain technology.

The guest lecture on the "Foundations of Blockchain" was a successful event that provided valuable learning to the students of III and IV B Tech IT. It was an engaging session that not only covered the theoretical aspects of blockchain but also its practical applications in various domains. Students left the lecture with a clearer understanding of blockchain and its potential to revolutionize industries.





The event also fostered curiosity among students, motivating them to explore the field of blockchain further.

Workshop on "Salesforce Cloud Technology"

The IT department is planning hosted a Two-day Workshop on "Salesforce Cloud Technology" for III B Tech IT A & B students during 29 to 30 November 2024 and 6 to 7 December 2024.

The workshop aimed to introduce students to Salesforce Cloud Technology, covering foundational topics like the Salesforce user interface, automation tools, and Lightning app builder. Through hands-on sessions, students will learn error handling, debugging, data management, and analytics. The program also explores advanced concepts such as Apex programming, lightning components, integration, and Generative AI. Practical projects will provide real-world experience, while guidance on certification exams and career opportunities in Salesforce offers students a pathway to industry readiness.



Day 1 - 29th November 2024 & 6th December 2024

Session 1: Introduction to Salesforce Cloud Technology The workshop began with an introduction to Salesforce, explaining its significance in the world of cloud computing and CRM with Explanation of the Salesforce architecture and components

The session highlighted how Salesforce integrates various services such as Sales Cloud, Service Cloud, Marketing Cloud, and others. Key features of Salesforce such as automation, reporting.

Activity:

The students were given a handson demo on logging into Salesforce, navigating the platform, and using basic tools such as creating a user profile and understanding dashboards.



Workshop on "Salesforce Cloud Technology"



Day 2 – 30th November 2024 & 7th December 2024.

Session 2: Advanced Salesforce Features and Customization

On the second day, the workshop focused on the more advanced features of Salesforce, including automation tools like Flow Builder, creating reports.

The session demonstrated how to create custom fields, objects, and automation to enhance business processes.

The workshop concluded with an interactive Q&A session where students clarified doubts and received further guidance on pursuing Salesforce certifications. The students were also introduced to various online resources to continue learning about Salesforce Cloud Technology on their own.

The participants expressed satisfaction with the content and delivery of the workshop. Many students mentioned that they gained valuable knowledge that would assist them in their future IT careers. The practical, hands-on experience helped reinforce the theoretical knowledge shared during the sessions.





Workshop on "R Programming & Power BI"



The IT department has conducted a Two-day Workshop on "R Programming & Power BI" for II B Tech IT A & B students during 6 to 7 November 2024.

From this Workshop, students will learn essential skills in data analysis, visualization, and business intelligence. Through R Programming, they will be introduced to the basics of the R language, including data structures, scripting, and manipulation techniques. They will explore data cleaning, transformation, and visualization using libraries like ggplot2, and apply statistical analysis to gain insights from data. Additionally, students will learn to import/export datasets and work with basic machine learning models. In Power BI, participants will understand how to connect and integrate various data sources, clean data using Power Query, and create interactive dashboards with dynamic visualizations. This workshop will provide students with practical experience to harness the power of data for real-world applications.



Workshop on "R Programming & Power BI"

The Workshop will be conducted in collaboration with Computer Society of India (CSI) in IT Lab-I(A),IT Lab-I(B), Lab-II & Lab-III (SB 216A, SB 216B, SB 212, SB 213). The workshop is scheduled between 09:30 – 16:30 Hrs on 6 to 7 November2024. All the sessions are hands-on sessions. The resource person for the workshop is Mr B Kumar, System Application Manager, Perfexion Information Technologies Pvt. Ltd., Hyderabad.



Session 1: Introduction to R Programming

The first session provided an introduction to R Programming, widely for which is used statistical computing and data analysis. The instructor explained the fundamentals of R, including its syntax, data types, functions, and libraries. Basic operations and data manipulations were demonstrated, followed by an overview of R's capabilities in data analysis.

Session 2: Introduction to Power BI - The second day focused on Power BI, a leading tool for data visualization and business intelligence. Students were introduced to the Power BI interface, including how to import data from various sources, create interactive visualizations, and design dashboards for business insights.



Students engaged in a hands-on session where they used Power BI to connect to a dataset, clean it, and create visualizations such as bar charts, pie charts, and maps. They were also encouraged to create their first Power BI report and explore features like filtering and slicers.

Workshop on "R Programming & Power BI"





The workshop concluded with a brief discussion on the real-world applications of Reproperties and Power BI in data science, analytics, and business intelligence. Students were encouraged to explore further and practice the tools to gain proficiency.

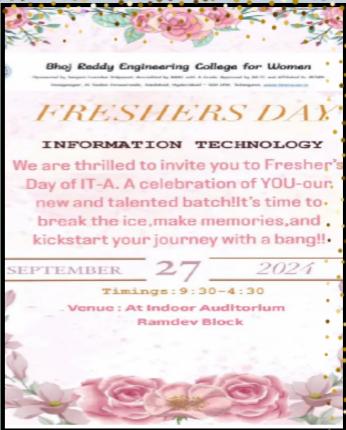
The feedback collected from students was overwhelmingly positive. Participants appreciated the hands-on approach and the practical skills they gained. Many students expressed an interest in further exploring both R Programming and Power BI for their future projects and internships.



Overall, the workshop successfully introduced II B Tech IT students to the powerful tools of R
Programming and Power BI, equipping them with essential skills for data analysis and
visualization that will be valuable in their academic and professional careers.

Fresher's Day 2024





IT department has celebrated fresher's day on 25, 27 September 2024, from 9:45 am to 4:30 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, and many students performed different activities. Freshers Day was co-ordinated by the department cultural co-ordinators Mrs A Vasavi Sujatha, Assistant professor (IT-A) and Mrs D Navaneetha, Associate Professor (IT-B) along with the staff and student cultural coordinators from all classes and monitored by C.Murugamani, HOD, Dr J Madhavan, Principal, G Dayakar Reddy, Vice Principal. All the students of I, II, III, IV year have actively participated.

The list of programs for Freshers Day were Solo singing, Solo dance, Duet dance, Group dance, Skit, Many students have participated enthusiastically in all the programmes. The Cultural program started at 9:45 am at Indoor Auditorium, Ramdev Block with a song and followed by the scheduled dances and songs. The Cultural program was completed around 4:30pm with vote of thanks.

Freshers Day 2024



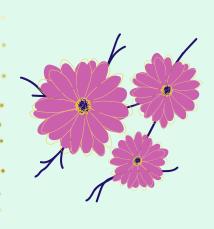




Freshers Day 2024



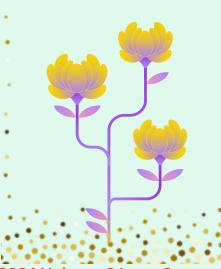






















Industrial Visit

The IT department planned for an Industrial visit to National Remote Sensing Centre, Indian Space Research Organisation, Medak Rd, Chinthal, Jeedimetla, Hyderabad, for III B Tech IT A & B students on 26 July 2024.



The visit aims to provide students with practical exposure to remote sensing technology and its applications. The visit will allow students to understand the role of NRSC in space research, data collection, and analysis with Latest advancements and applications in space technology.

Highlights & Summary of the Activity: The program featured discussions on ISRO's various missions and accomplishments, highlighting the role of rockets, launchers, and satellites in space exploration. Ms. Tandon provided insights into the scientific research and development activities undertaken by ISRO, emphasizing their importance in advancing space applications. This included practical applications of space technology in fields like disaster management, agriculture, and urban planning, showcasing the broader impact of space research on societal development.



The event was part of NRSC's broader outreach initiatives, which aim to build capacity in remote sensing and geospatial technologies. These programs are designed to enhance understanding among students and professionals, encouraging them to harness these technologies for various applications. NRSC's outreach activities often include lectures, exhibitions, and interactive sessions, making them a vital platform for knowledge dissemination and public engagement in space sciences (NRSC) (NRSC) (NRSC).

Industrial Visit









Dandiya 2024

The Dandiya celebrations held on 4 October 2024, at Bhoj Reddy Engineering College for Women were a remarkable fusion of vibrant traditions and cultural festivities. As part of the Dussehra celebrations, this unique event brought together the lively spirit of Dandiya, a traditional dance form, celebrating the rich cultural heritage of India. Organized by the Cultural Coordinator, D Navaneetha, along with her dedicated team, the celebrations were designed to foster community and joy among students and staff.





The event featured a meticulously planned program that highlighted both Dandiya .The celebration was coordinated by cultural team members, including R. Manju Bhargavi, S. Revathi, A. Vasavi Sujatha, G. Ranjitha, B. Pravalika, Shaguftha, Maheshwari, A. V. Radhika, and N. Soni. Their efforts ensured a seamless flow of activities, contributing significantly to the festive atmosphere and making enjoyable for everyone involved. the event Participants adorned themselves colorful traditional attire, creating a visually atmosphere.



In conclusion, the Dandiya Celebrations 2024 at Bhoj Reddy Engineering College for Women were a resounding success, showcasing the rich tapestry of Indian culture. The event fostered a sense of community and celebration, allowing participants to immerse themselves in the joyous spirit of the festivities. We extend our heartfelt gratitude to the organizing team and all participants for making this occasion a memorable and vibrant celebration of tradition.