

DEPARTMENT OF INFORMATION TECHNOLOGY

DIGITAL DISPATCH

January - June 2026
Volume 08, Issue 01

Faculty Coordinator :
K Madhuravani, Dept of IT.

Student Coordinators :
Ch Uday Sree - IV IT B
R Hema - IV IT A



TABLE OF CONTENTS

1. GUEST LECTURE -1
2. GUEST LECTURE -2
3. WORKSHOP
4. INDUSTRIAL VISIT
5. SPORTS MEET
6. FDPs ORGANIZED
7. FAREWELL 2026



BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN

Key Takeaways

The workshop on “Cloud Computing with AWS” provided students with a strong foundation in cloud computing concepts, including service models such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS), along with various cloud deployment models. Participants gained practical exposure to essential AWS services such as Amazon EC2, Amazon S3, and AWS IAM, enabling them to understand how cloud infrastructure is designed, managed, and secured. Through hands-on sessions, students learned how to deploy, monitor, and manage applications in a cloud environment. The workshop enhanced their understanding of scalability, resource optimization, cloud storage, and cost management in modern IT systems.

The sessions also strengthened students’ knowledge in cloud engineering and DevOps-related practices, improving their technical and industry-oriented skills. Overall, the workshop successfully bridged theoretical concepts with practical implementation, equipping participants with essential cloud computing competencies and enhancing their readiness for careers in cloud technologies.



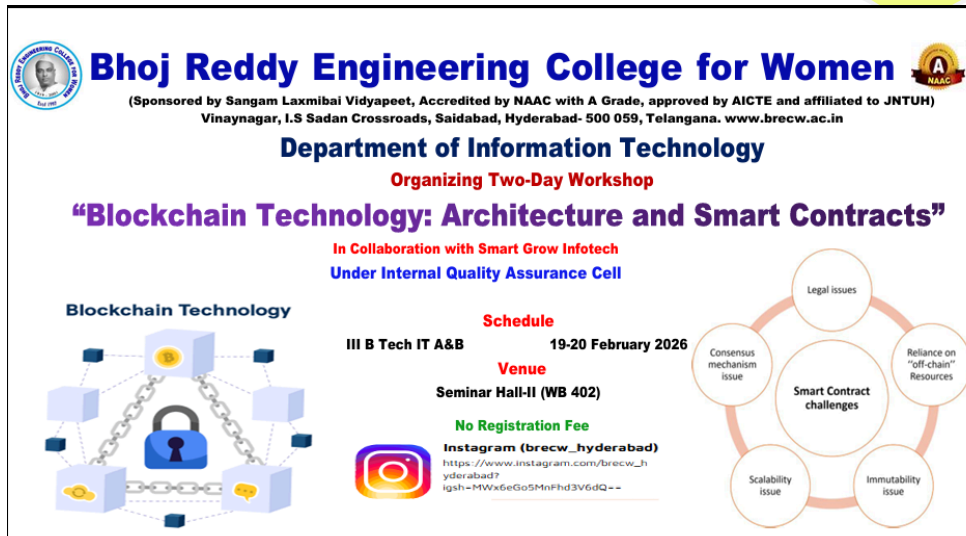
Follow-up Plan:

To reinforce the learning outcomes of the workshop on “Cloud Computing with AWS”, students will be encouraged to implement AWS services in their mini-projects and academic assignments.



Faculty members will guide students in deploying basic applications using AWS services such as Amazon EC2 and Amazon S3. Advanced hands-on sessions will be organized focusing on AWS topics including Identity and Access Management (IAM), cloud security, storage management, and deployment practices. Students will also be motivated to explore AWS Educate resources and pursue certification pathways such as AWS Certified Cloud Practitioner. Regular review sessions and technical discussions will be conducted to monitor students’ progress and address implementation challenges. Additionally, participants will be encouraged to take part in cloud-based hackathons, coding competitions, and real-time projects to enhance practical exposure and strengthen industry readiness in cloud computing technologies.


A Workshop on "Blockchain Technology: Architecture and Smart Contracts"



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

Department of Information Technology
Organizing Two-Day Workshop
"Blockchain Technology: Architecture and Smart Contracts"
 In Collaboration with Smart Grow Infotech
 Under Internal Quality Assurance Cell

Blockchain Technology




Schedule
 19-20 February 2026

Venue
 Seminar Hall-II (WB 402)

No Registration Fee

Instagram (brecw_hyderabad)
https://www.instagram.com/brecw_hyderabad/
 igsh=MWw6eGo5MnFh3V6dQ--



Type of Activity: Student Workshop

Title of the Activity: A Workshop on "Blockchain Technology: Architecture and Smart Contracts"

Date(s): 19 to 20 February 2026

Time: 9:30 AM – 4:30 PM

Venue: Seminar Hall – II (WB 402)

Collaboration/Sponsor: SLV

Resource Persons : Mr. Baji Babu and Ms. Keerthi Naidu

Designation : Technical Trainers

Organization : Smartgrow Infotech Pvt Ltd

Participants Profile : III B.Tech IT – A & B Students

Number of Participants : 146

Synopsis of the Activity : The Department of Information Technology organized a two-day workshop titled "Blockchain Technology: Architecture and Smart Contracts" on 19–20 February 2026 in the Seminar Hall (WB 402). The workshop was conducted for III B.Tech IT students with the objective of introducing them to the concepts, architecture, and practical implementation of blockchain technology. The sessions focused on the fundamentals of blockchain, including distributed ledger systems, consensus mechanisms, cryptographic principles, decentralization, and smart contracts. The resource persons explained how blockchain technology is transforming industries such as finance, cybersecurity, healthcare, and supply chain management.

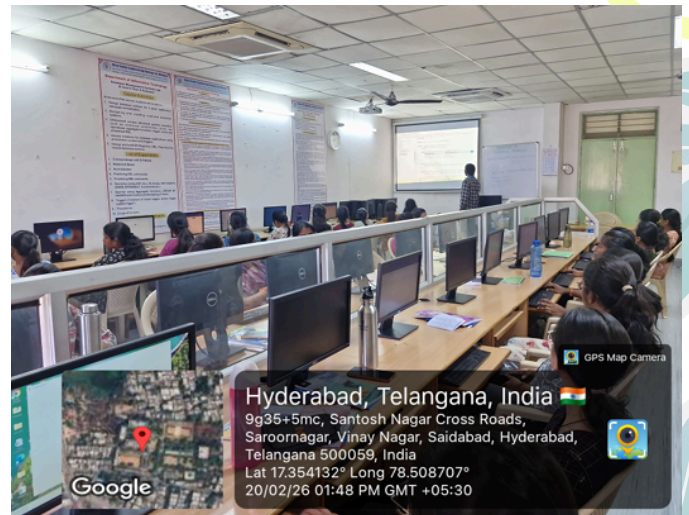
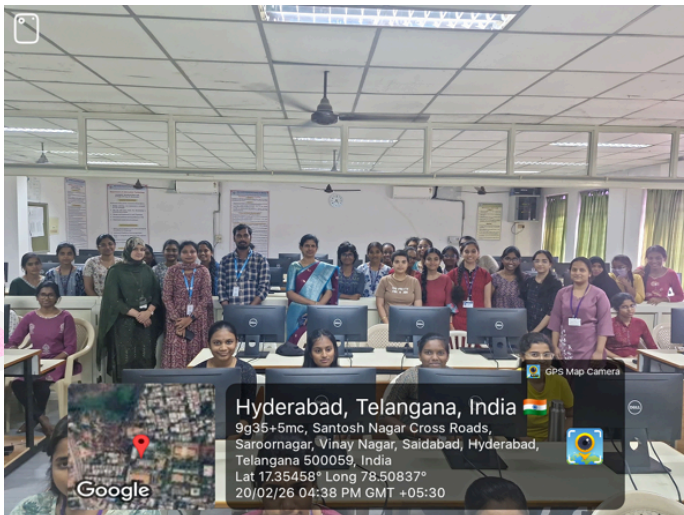
Students were introduced to smart contract development and decentralized applications (DApps) through practical demonstrations and hands-on activities. The workshop also highlighted the importance of security, transparency, and trust in blockchain-enabled systems. Interactive discussions, real-time examples, and practical exercises enabled participants to gain industry-oriented exposure and strengthen their understanding of emerging technologies. The workshop successfully enhanced students' technical knowledge and motivated them to explore blockchain-based innovations and career opportunities in the field.

Key Takeaways:

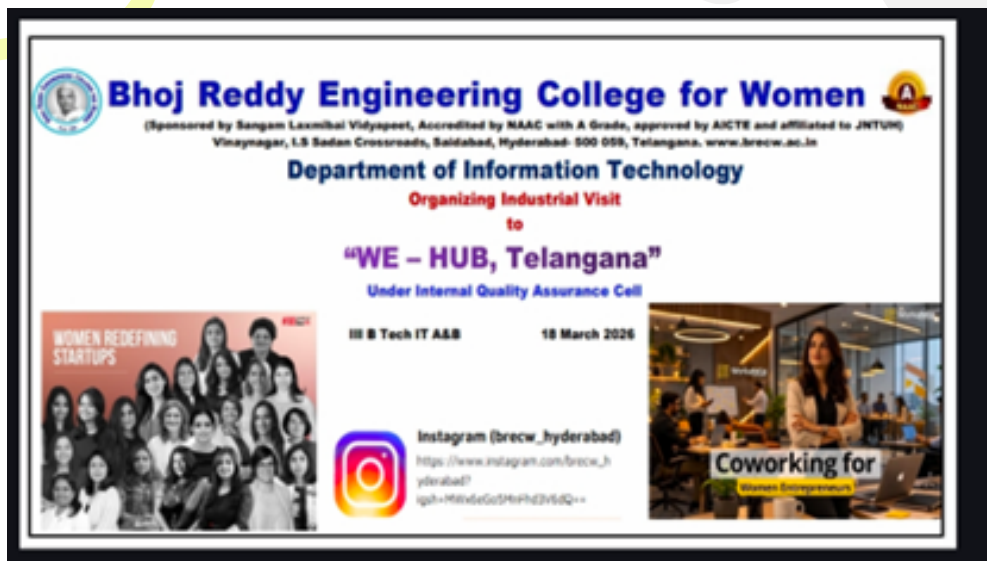
The two-day workshop on “Blockchain Technology: Architecture and Smart Contracts” provided students with a comprehensive understanding of blockchain fundamentals, including distributed ledger technology and consensus mechanisms. Participants gained clarity on how blockchain ensures transparency, security, and decentralization in modern digital systems.

Students developed practical knowledge of smart contract design, deployment, and associated security considerations. The hands-on sessions enabled them to explore decentralized application (DApp) development and understand real-world use cases across industries such as finance, supply chain, and cybersecurity. The workshop also strengthened students’ skills in cryptography, secure programming, and distributed systems. It enhanced their problem-solving abilities and exposed them to industry-relevant tools and practices.

Overall, the session bridged the gap between theoretical concepts and practical implementation, improving students’ readiness for careers and research in blockchain and emerging technologies.



INDUSTRIAL VISIT TO WE-HUB



An exposure visit to WE Hub was organized for students with the objective of providing awareness about the Telangana start-up ecosystem, entrepreneurship opportunities, and women-focused innovation initiatives. WE Hub, India's first state-led incubator for women entrepreneurs, actively supports women-led start-ups through incubation, mentorship, networking, financial guidance, and policy support. The visit aimed to inspire students to explore entrepreneurship, innovation, and start-up culture while understanding the role of incubation centers in nurturing ideas into successful ventures.

About WE Hub : WE Hub is India's first and only state-led incubator for women entrepreneurs established with the vision of promoting and fostering women entrepreneurship. The organization works towards enabling women entrepreneurs by providing access to technical, financial, governmental, and policy support required to start, scale, sustain, and accelerate businesses with global market access. WE Hub plays a significant role in strengthening the entrepreneurial ecosystem by supporting innovative ideas, start-ups, and leadership development initiatives among students and aspiring entrepreneurs.



Objectives of the Visit : The major objectives of the exposure visit were:

- To provide students with a clear understanding of the Telangana start-up ecosystem.
- To create awareness about the initiatives and programs offered by WE Hub.
- To introduce students to the WE Enable Program designed specifically for undergraduate girl students.
- To motivate students towards entrepreneurship and innovation-driven careers.
- To expose students to various career opportunities available in the start-up ecosystem.



Duration of the Visit : The duration of the exposure visit was 2 hours, conducted from 02:00 PM to 04:00 PM.

Agenda of the Visit :

- Student Welcome 02:00 PM – 02:05 PM
- Introduction to WE Hub 02:06 PM – 02:15 PM
- Activity: Think Tank 02:16 PM – 03:15 PM
- Brief on WE Enable Program 03:15 PM – 03:30 PM
- WE Hub Team Talks 03:31 PM – 03:41 PM
- Conclusion 03:42 PM – 03:47 PM
- Snacks and Photo Session 03:48 PM – 04:00 PM

The order and timings of the events were subject to change based on the availability of the WE Hub team.

Synopsis of the Activity

The exposure visit commenced with a warm welcome by the WE Hub team, followed by an introductory session explaining the mission, vision, and objectives of WE Hub. Students were introduced to the Telangana start-up ecosystem and the role of incubation centers in supporting innovative entrepreneurs.

An engaging “Think Tank” activity was conducted to encourage students to think creatively and collaboratively while solving real-world problems. The activity enhanced students’ innovation, communication, and teamwork skills.

The WE Hub team then presented details about the WE Enable Program, specially designed for undergraduate girl students to nurture entrepreneurial thinking, leadership, and innovation capabilities. Students gained awareness regarding available mentorship programs, networking opportunities, funding support, and entrepreneurship development initiatives.

Interactive talks by the WE Hub team provided valuable insights into start-up culture, entrepreneurship journeys, and career opportunities within the innovation ecosystem. The session inspired students to explore entrepreneurial pathways and understand the significance of creativity, leadership, and problem-solving in professional growth. The visit concluded with an interactive discussion, feedback session, refreshments, and group photographs.

Key Takeaways

1. Understanding WE Hub Programs and Initiatives

Students gained a comprehensive understanding of WE Hub's mission, entrepreneurial support systems, incubation programs, mentorship opportunities, and initiatives for empowering women entrepreneurs.

2. Awareness of the WE Enable Program

Participants received detailed information regarding the WE Enable Program, its objectives, benefits, and opportunities for undergraduate students, motivating them to participate in future entrepreneurial initiatives.

3. Innovative Thinking and Creativity

The Think Tank activity encouraged students to think innovatively, solve problems creatively, and develop collaborative approaches towards challenges.

4. Inspiration and Career Clarity

Students explored various career opportunities related to entrepreneurship, innovation, incubation centers, and the start-up ecosystem, helping them gain clarity regarding future career paths.

5. Improved Entrepreneurial Mindset

The visit enhanced students' confidence, leadership qualities, and entrepreneurial thinking by exposing them to real-world innovation and start-up environments.

Conclusion

The exposure visit to WE Hub was highly informative and inspiring for the students. The sessions provided valuable exposure to entrepreneurship, innovation, and the start-up ecosystem while motivating students to explore creative and career-oriented opportunities. The visit successfully bridged the gap between academic learning and practical entrepreneurial exposure, encouraging students to become future innovators and leaders.

SIX-DAY FACULTY DEVELOPMENT PROGRAM (FDP)

Mastering Cloud Computing and Deployment Strategies
Academic Year: 2025–26 (I Semester)
Organized by: Department of Information Technology
Duration: 10 November 2025 – 15 November 2025

The Department of Information Technology successfully organized a Six-Day Faculty Development Program (FDP) on “Mastering Cloud Computing and Deployment Strategies” from 10th November 2025 to 15th November 2025. The FDP was designed to enhance the knowledge and technical competencies of faculty members in modern cloud technologies, deployment methodologies, automation tools, and cloud security practices. The program provided a balanced combination of theoretical concepts and practical hands-on sessions, enabling participants to gain industry-relevant expertise in cloud computing environments.

Objectives of the FDP : The primary objectives of the FDP were:

- To provide a comprehensive understanding of cloud computing fundamentals and architectures.
- To familiarize participants with major cloud service models and cloud providers.
- To develop practical skills in cloud networking and storage management.
- To introduce containerization, orchestration, and serverless computing concepts.
- To explore deployment strategies, DevOps practices, and automation techniques.
- To create awareness about cloud security, compliance, and cost optimization.
- To enable participants to design and deploy cloud-native applications effectively.

Day 1: Cloud Fundamentals and Architecture
Date: 10-11-2025

The inaugural session introduced participants to the evolution of distributed computing and the fundamentals of cloud computing. Various deployment models, including Public Cloud, Private Cloud, and Hybrid Cloud, were discussed in detail. The session also covered virtualization technologies and their role in cloud infrastructure.

Activities Conducted:

- Introduction to cloud computing concepts.
- Understanding cloud deployment models.
- Demonstration of virtualization techniques.
- Creation and configuration of cloud accounts.

Learning Outcomes:

Participants gained a strong foundation in cloud architecture and deployment environments.

Faculty FDP

Day 2: Cloud Service Models and Providers

Date: 11-11-2025

The second day focused on cloud service models such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). Detailed overviews of leading cloud providers including Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform (GCP) were presented.

Activities Conducted:

- Exploration of cloud service models.
- Comparative study of major cloud platforms.
- Hands-on navigation of AWS, Azure, and GCP dashboards.

Learning Outcomes:

Participants acquired practical knowledge of cloud platforms and their service offerings.

Day 3: Storage and Networking in the Cloud

Date: 12-11-2025

The third day concentrated on cloud networking and storage solutions. Topics included Virtual Private Clouds (VPCs), subnet design, routing mechanisms, and cloud storage services such as Object Storage, Block Storage, and File Storage.

Activities Conducted:

- Configuration of Virtual Private Clouds.
- Setup of subnets and routing tables.
- Creation and management of cloud storage buckets.
- Networking and connectivity exercises.

Learning Outcomes:

Participants learned how to design secure and scalable cloud networking infrastructures and manage cloud-based storage resources.

Day 4: Containerization and Serverless Computing

Date: 13-11-2025

The fourth day introduced modern application deployment technologies, including Docker, Kubernetes, and Serverless Computing. The sessions emphasized container-based development and orchestration techniques used in contemporary cloud-native applications.

Activities Conducted:

- Building Docker container images.
- Deploying and managing containers.
- Introduction to Kubernetes orchestration.
- Demonstration of serverless application deployment.

Learning Outcomes:

Participants gained hands-on experience in containerization technologies and modern cloud deployment architectures.

Day 5: Deployment Strategies and Automation

Date: 14-11-2025

The fifth day focused on DevOps methodologies, Continuous Integration/Continuous Deployment (CI/CD), and Infrastructure as Code (IaC). Participants explored automated deployment workflows and best practices for application lifecycle management.

Activities Conducted:

- Designing CI/CD pipelines.
- Automated application deployment.
- Infrastructure provisioning using IaC tools.
- Auto-scaling and monitoring exercises.

Learning Outcomes:

Participants developed practical skills in automating cloud deployments and implementing DevOps workflows.

Day 6: Cloud Security and Capstone Project

Date: 15-11-2025

The final day emphasized cloud security principles, identity and access management, compliance frameworks, and cost optimization strategies. Participants presented capstone projects demonstrating the concepts learned throughout the FDP.

Activities Conducted:

- Cloud security best practices.
- Identity and Access Management (IAM) implementation.
- Cost optimization techniques.
- Capstone project presentations.
- Feedback and valedictory session.

Learning Outcomes:

Participants acquired knowledge of securing cloud environments and optimizing cloud resources while showcasing their practical skills through project presentations.

Outcomes of the FDP:

- At the end of the six-day program, participants were able to:
- Understand cloud computing architectures and deployment models.
- Work effectively with AWS, Azure, and GCP platforms.
- Configure cloud networking and storage solutions.
- Deploy applications using Docker and Kubernetes.

Participant Feedback : Participants appreciated the well-structured curriculum, practical demonstrations, and hands-on learning opportunities. The FDP successfully bridged the gap between theoretical concepts and real-world cloud deployment practices, enhancing the professional competencies of faculty members.

Conclusion : The Six-Day Faculty Development Program on “Mastering Cloud Computing and Deployment Strategies” was successfully conducted by the Department of Information Technology from 10th November 2025 to 15th November 2025. The program provided valuable insights into modern cloud technologies, deployment methodologies, automation practices, and security frameworks.

FAREWELL 2026



IT department celebrated Farewell day on 24 March 2026 for the students of IT -B, from 9:45 am to 4:30 pm. There were several events and 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.

Farewell Day was coordinated by HOD-IT Dr M SandhyaRani, Cultural coordinator S Revathi, Assistant Professor along with the staff and student coordinators from all classes and monitored by Dr G Shyama Chandra Prasad, Principal, Mr G Dayakar Reddy, Vice Principal. All the students of I, II, III, IV year of IT department have actively participated.



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



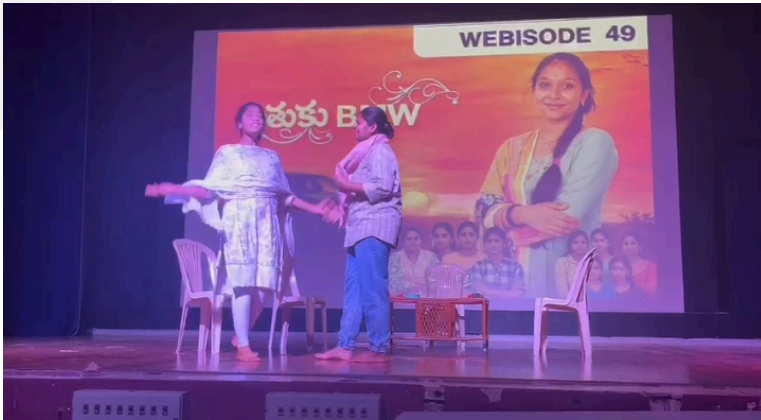
FAREWELL 2026



IT department has celebrated Farewell day on 25 March 2026 for the students of IT -A, from 9:45 am to 4:30 pm. There were several events and 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.

Farewell Day was coordinated by HOD-IT Dr M SandhyaRani, Cultural coordinator A Vasavi Sujatha, Assistant Professor along with the staff and student coordinators from all classes and monitored by Dr G Shyama Chandra Prasad, Principal, Mr G Dayakar Reddy, Vice Principal. All the students of I, II, III, IV year of IT department have actively participated. The list of programs for Farewell Day was Solo singing, Solo dance, Duet dance, Group dance, Special performances. Many students have participated enthusiastically in all the programs. The Cultural program started at 9:45 am at Indoor Auditorium, Ramdev Block with a Classical Dance and followed by the scheduled dances and songs. The Cultural program was completed around 4:30pm with prize distribution followed by a vote of thanks.





Annual Students Sports Meet

The Annual Students Sports Meet was successfully conducted on 26th and 27th February 2026 at our institution's main sports ground with great enthusiasm and active participation from students across all classes.

The event commenced with the inauguration ceremony on the morning of 26th February. The Chief Guest, along with the Principal and faculty members, formally declared the meet open by lighting the ceremonial torch, symbolizing the spirit of sportsmanship and unity. The students presented an impressive march-past representing their respective houses, followed by an oath-taking ceremony emphasizing fair play and discipline.


The second day, 27th February, witnessed the final rounds and championship events. The atmosphere was filled with excitement as students cheered for their houses. Tug of war and relay finals were among the most thrilling events, drawing loud applause from the audience.

The Principal appreciated the efforts of students, physical education staff, and organizers for the smooth conduct of the event. The Sports Meet concluded with the national anthem, leaving behind memories of teamwork, discipline, and sportsmanship.






FDP on "From Research to Publication: Best Practices and FDP Emerging Opportunities"



Bhoj Reddy Engineering College for Women
Sponsored by Sangam Laxmibai Vidyapeet, Approved by AICTE and Affiliated to JNTUH
Recognised by UGC under section 2(f) of the UGC Act, 1956, Accredited by NAAC with A Grade
Vinaynagar, IS Sadan Crossroads, Saidabad, Hyderabad – 500 059, Telangana.



Six-Day Online Faculty Development Programme
on
"From Research to Publication: Best Practices and Emerging Opportunities"
22 - 27 June 2026
6:00 PM – 8:00 PM
Organized by
Department of Information Technology
In collaboration with R&D Cell

Coordinator
Ms K Madhuravani

Co-coordinator
Ms Minhaj Begum

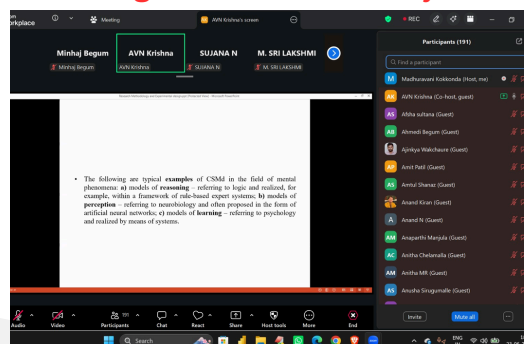
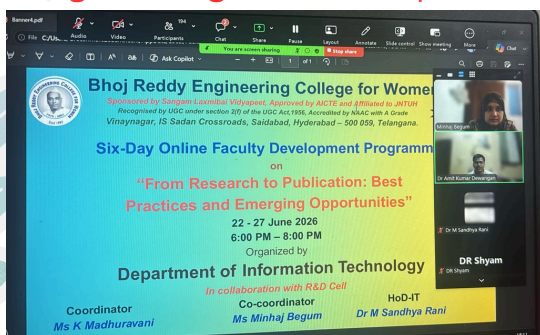
HoD-IT
Dr M Sandhya Rani

The Department of Information Technology, in collaboration with the Research & Development (R&D) Cell of Bhoj Reddy Engineering College for Women, Hyderabad, successfully organized an Online Six-Day Faculty Development Programme (FDP) titled "From Research to Publication: Best Practices and Emerging Opportunities" from 22 June 2026 to 27 June 2026. The FDP aimed to enhance the research knowledge, publication practices, and academic writing skills of faculty members, research scholars, and postgraduate students. The programme featured eminent academicians and research experts from reputed institutions across India who shared valuable insights into various stages of the research and publication process. The programme commenced on 22 June 2026 with the inaugural session delivered by Ms. Minhaj Begum, Assistant Professor, Department of Information Technology, Bhoj Reddy Engineering College for Women, Hyderabad.

Day 1 – 22.06.2026

The first technical session on "Research Ecosystem and Emerging Opportunities" was delivered by Dr. Amit Dewangan, Assistant Professor, Department of Information Technology, School of Studies, Guru Ghasidas Vishwavidyalaya (A Central University), Chhattisgarh. The speaker explained the evolving research landscape and emerging opportunities for researchers.

The second session on "Identifying Research Problems and Defining Research Objectives" was handled by Dr. Swathi Gowroju, Associate Professor and Head, Department of CSE (AIML), Sreyas Institute of Engineering and Technology, Hyderabad. The session focused on selecting meaningful research problems and framing clear research objectives.



Day 2 – 23.06.2026

The third session on “Research Methodology and Experimental Design” was delivered by Dr. Addepalli VN Krishna, Professor of Engineering, Department of Computer Science & Engineering, Christ University, Bangalore. The session provided detailed insights into research methodologies, hypothesis formulation, and experimental procedures.

The fourth session on “Literature Review and Bibliometric Analysis” was conducted by Dr. M. Sandhya Rani, Associate Professor and Head, Department of Information Technology, Bhoj Reddy Engineering College for Women, Hyderabad. The session emphasized systematic literature review techniques and bibliometric tools useful for research analysis.

Day 3 – 24.06.2026

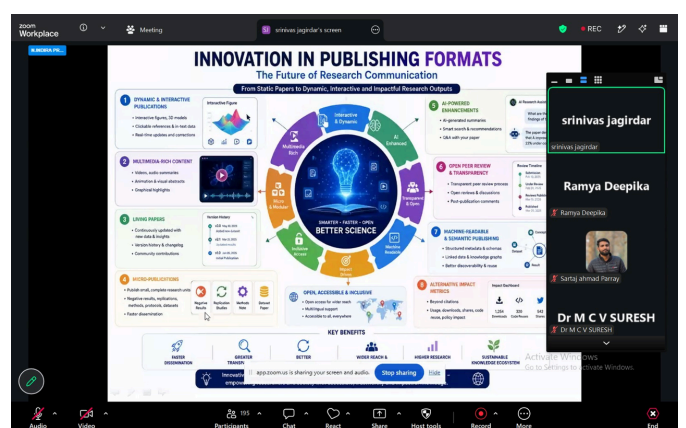
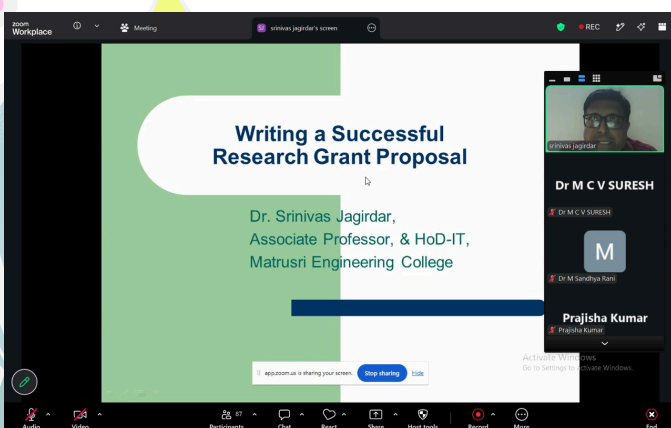
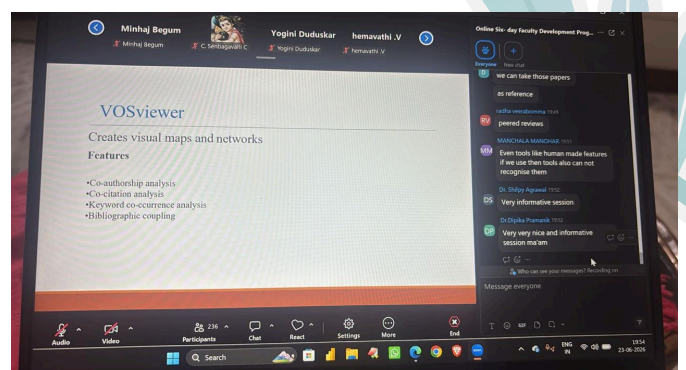
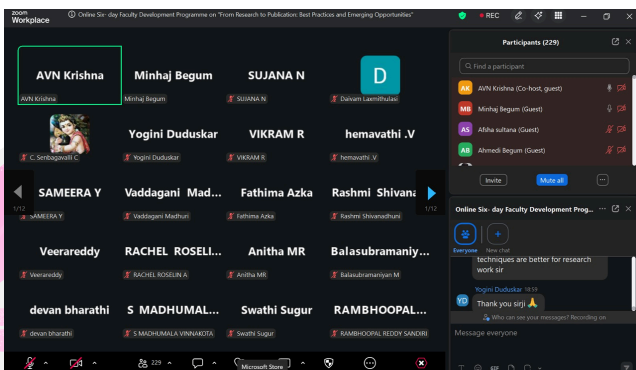
The fifth session on “Mastering the Art of Research Paper Writing” was delivered by Dr. R. Dinesh Kumar, Associate Professor, Department of Computer Science and Engineering, Bhoj Reddy Engineering College for Women, Hyderabad. The speaker explained the structure, formatting, and best practices involved in writing quality research papers.

The sixth session on “Journal Selection and Publication Strategies” was conducted by Dr. Nagarjuna Krishna Chaithanya, Associate Professor, Department of CSE, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad. The session guided participants in selecting appropriate journals and understanding publication ethics and indexing standards.

Day 4 – 25.06.2026

The seventh session on “Research Ethics and Academic Integrity” was delivered by Dr. Rohit Raja, Associate Professor, Department of Information Technology, School of Studies, Guru Ghasidas Vishwavidyalaya (A Central University), Chhattisgarh. The session focused on plagiarism prevention, ethical research practices, and responsible publication.

The eighth session on “Intellectual Property Rights and Patent Filing” was handled by Dr. Rohit Raja. The speaker explained patent filing procedures, intellectual property protection, and innovation management.



Day 5 – 26.06.2026

The ninth session on “Peer Review Process and Handling Reviewers’ Comments” was delivered by Dr. Vijaya Chandra Jadala, Associate Professor, School of Computer Science & Artificial Intelligence, SR University, Warangal. The session helped participants understand the peer-review system and effective ways to address reviewers’ comments. The tenth session on “Enhancing Research Visibility and Impact” was also conducted by Dr. Vijaya Chandra Jadala. The session highlighted methods to improve citation impact, researcher visibility, and academic networking.

Day 6 – 27.06.2026

The eleventh session on “Research Funding and Grant Proposal Writing” was delivered by Dr. Srinivas Jagirdar, Associate Professor and Head, Department of Information Technology, Matrusri Engineering College, Hyderabad. The session provided practical guidance on preparing effective grant proposals and identifying funding opportunities.

The twelfth session on “Future Directions in Research and Publication” was also conducted by Dr. Srinivas Jagirdar. The session discussed future trends in multidisciplinary research, collaborative projects, and publication opportunities.

The programme concluded with a Feedback and Valedictory Session coordinated by Ms. K. Madhuravani, Department of Information Technology, Bhoj Reddy Engineering College for Women, Hyderabad. Participants shared positive feedback regarding the quality of sessions, expert guidance, and overall organization of the FDP.

The six-day FDP received an overwhelming response from participants across various institutions. The sessions were highly interactive, informative, and beneficial in strengthening the research and publication skills of the attendees. The Department of Information Technology and R&D Cell expressed sincere gratitude to all the resource persons, participants, organizing committee members, and management for their support and contribution towards the successful completion of the programme.

