



ELECTRON EDGE

2025 Volume 7 Issue 2



Bhoj Reddy Engineering College for Women

Department of Electronics and Communication Engineering

JULY - DECEMBER

Newsletter 2025



CONTACT US :

☎ 040-2453-1725/7282

✉ principal@brecw.ac.in

📍 Vinay Nagar, IS Sadan
Crossroads, Saidabad,
Hyderabad 500059,
Telangana.
www.brecw.ac.in

CONTENTS

VISION AND MISSION	2
GUEST LECTURE	3
ORIENTATION PROGRAM	4
INDEPENDENCE DAY CELEBRATIONS	5
ANTI-RAGGING AWARENESS PROGRAM	6
GUEST LECTURE	7
SMART INDIA HACKATHON	8
IEI - STUDENT CHAPTER INAUGURATION	9
INAUGURATION OF - VIRTUAL LABS NODAL CENTRE & GUEST LECTURE	10
FUSION BEATS	11
FRESHERS DAY	12
ENTREPRENEURSHIP AWARENESS PROGRAM	13
THREE-DAY WORKSHOP	14-15
MILAN	16

Vision

- ECE department envisions developing technically competent and meritorious women engineers with a keen sense of social responsibility.

Mission



- To provide a challenging and value-based education, enriching knowledge of young engineers in the field of Electronics and Communication Engineering.
- To strive for the intellectual and personal development of young women to build a healthy society by improving the quality of life through the application of Electronics.
- To inculcate self-confidence, teamwork, leadership, and entrepreneurship in students through curricular, co-curricular and extracurricular activities.
- To develop adaptable thinking and the ability to apply the techniques of communication innovatively in a realistic environment for the current and future technological requirements.

Guest Lecture

“Intellectual Property Rights (IPR): Scope and Process of Patent Filing”

A guest lecture on “Intellectual Property Rights (IPR): Scope and Process of Patent Filing” was organized by the Departments of Electronics and Communication Engineering under the Internal Quality Assurance Cell (IQAC) and IEEE Chapter on **5th August 2025 at Seminar Hall-II**.

The session was delivered by **Dr. G. Srinivas from B V Raju Institute of Technology, Narsapur**. The lecture was arranged for faculty members and B.Tech ECE students to enhance their awareness of intellectual property and innovation protection.

Dr. Srinivas explained the importance of Intellectual Property Rights in today's technology-driven world. He elaborated on how patents protect innovative ideas and research work, and guided students through the process of patent filing, documentation, and legal aspects. The session highlighted how engineers and researchers can safeguard their inventions and contribute to technological advancement.

Students and faculty attended the session with keen interest. The lecture helped participants understand the value of originality, research ethics, and innovation in engineering. The interactive discussion allowed attendees to clarify their doubts regarding patents, copyrights, and trademarks.



An informative session on IPR and patent process in progress

The session proved highly informative and encouraged students to think creatively and work towards innovation. Overall, the lecture created awareness about protecting intellectual contributions and inspired participants to explore research and development activities.

ORIENTATION PROGRAM

An Orientation Program for the first-year students of the academic year 2025–26 was conducted on **12th August 2025** in the college auditorium. The program was organized to warmly welcome the new students and help them become familiar with the college environment, academic structure, and campus facilities.

The session began with a welcome address by the Principal, who motivated students to make the best use of the opportunities provided by the institution. Faculty members introduced their respective departments, curriculum, and various academic and co-curricular activities available in the college. Important information regarding discipline, attendance, and student support services was also shared.



Welcoming the new batch 2025

Students were given insights into campus life, examination patterns, clubs, and extracurricular activities. The orientation aimed to build confidence among students and help them smoothly transition into college life. The interactive session allowed students to clarify their doubts and understand academic expectations.



Faculty members also guided students on time management, effective study habits, and the importance of balancing academics with co-curricular participation. Information about library facilities, laboratories, and student support services was shared to help students utilize campus resources effectively.

The program concluded on a positive note, with students feeling motivated and comfortable as they started their new academic journey. The orientation served as a strong foundation for a successful and enriching college experience.

“Beginning a new academic journey”

79th *Independence Day* CELEBRATIONS



A proud moment as our Principal hoists the tricolor

Independence Day 2025 was celebrated with great pride, respect, and enthusiasm in our college on **15th August 2025**. The campus was beautifully decorated with tricolor flags, balloons, and patriotic posters, creating a vibrant and patriotic atmosphere.

The program began with the hoisting of the National Flag by our respected Principal, followed by the National Anthem. All the faculty members and students stood together to pay tribute to our nation. The ceremony continued with a floral tribute to the great freedom fighters who sacrificed their lives for India's independence.

A variety of cultural programs were organized by the students, including patriotic songs, dances, speeches, and skits highlighting the struggles of our freedom fighters and the importance of unity and harmony. These performances showcased the talents and patriotic spirit of the students.

The Principal addressed the gathering and spoke about the value of freedom, discipline, and responsibility among youth. The speech motivated students to work hard for the nation's progress and to be responsible citizens.

Competitions such as essay writing and quiz programs related to Independence Day were also conducted, and winners were appreciated with prizes. The celebration concluded with sweets distribution and a vote of thanks.

The entire event filled everyone with patriotism and reminded us of our duty towards the nation. The day was truly memorable and meaningful for all.

“Unity, respect, and patriotism”

Anti-Ragging Awareness Program

The Anti-Ragging Week was observed in **August 2025** at Bhoj Reddy Engineering College for Women to spread awareness about maintaining a safe and friendly campus environment. The program focused on educating students about the harmful effects of ragging and promoting mutual respect among peers.



Students spreading the message of a ragging-free campus

An inaugural session was conducted where faculty members addressed students about the importance of discipline and the strict rules against ragging. They explained that ragging is a punishable offense and encouraged students to support a positive and welcoming atmosphere in the college.

As part of the activities, Poster Making and Logo Designing competitions were organized. Students actively participated and creatively expressed messages against ragging, highlighting unity, equality, and friendship. Their efforts reflected a strong commitment towards building a ragging-free campus.

Students from B.Tech I to IV years participated enthusiastically, making the event meaningful and interactive. Faculty members appreciated the students' creativity and involvement. The Anti-Ragging Week successfully spread awareness and reminded everyone that respect and kindness are essential for a healthy academic environment. The program concluded with a message of unity and responsibility among students. Such awareness programs play a vital role in shaping responsible behavior and encouraging positive interactions on campus.

The activities helped students understand the importance of empathy, mutual respect, and friendly communication. The initiative also strengthened the bond among students and promoted a culture of care and cooperation. Overall, the event left a positive impact on everyone and inspired students to actively support a ragging-free campus, ensuring a safe and welcoming environment for all.

“Ragging-Free Campus = Happy Campus”

GUEST LECTURE

A guest lecture was organized for B.Tech ECE students on **22nd August 2025** at the West Block Seminar Hall. The session was delivered by **Mr. Pradeep Raghu**, a faculty member at ACE Engineering Academy and an M.Tech graduate from NIT Warangal. The lecture was centered on empowering future engineers by strengthening their technical foundation and preparing them for real-world challenges.

Speaker:



EMPOWERING FUTURE ENGINEERS : CAREER PROSPECTS AND INDUSTRY INSIGHTS.

Mr. Pradeep Raghu

*Faculty Member at ACE Engineering Academy
M.Tech Graduate ,NIT Warangal*

The speaker discussed core electronics concepts and their practical applications, helping students understand how classroom learning connects to industry requirements. He also shared valuable industry insights, current technology trends, and the skills expected from engineering graduates.

A significant part of the session focused on career prospects in the electronics and communication field. The speaker explained various career paths, higher education options, and opportunities in both public and private sectors. He emphasized the importance of continuous learning, problem-solving ability, and technical skill development for competitive exams and placements.

“Engineers build the future with knowledge, creativity, and innovation”

Students attended the session with great interest and actively interacted with the speaker. The interactive discussion enabled students to clarify their doubts and gain a clearer perspective on career planning and industry expectations. Many students raised thoughtful questions regarding higher studies, placement opportunities, and the skills required to succeed in the competitive engineering field. The speaker patiently addressed their queries and provided practical suggestions for academic and professional growth.

The guest lecture proved highly informative and beneficial for students, helping them gain clarity about their future goals in the ECE field. It motivated students to focus on concept-based learning, technical skill development, and self-improvement. The session also encouraged students to stay updated with emerging technologies and industry trends. Overall, the lecture inspired students to prepare confidently for their professional journey, equipping them with the right mindset for future careers in engineering and technology.

Smart Minds Hackathon ~ Smart India Hackathon 2025



Bhoj Reddy Engineering College for Women 

Sponsored by Sangam Laxmibai Vidyapeet, Accredited by NAAC with A Grade, Approved by AICTE and Affiliated to JNTUH, Recognised by UGC under section 2(F) of the UGC Act, 1956.
Vinaynagar, I S Sadan Crossroads, Saidabad, Hyderabad - 500 058, Telangana, www.brecw.ac.in

   **Grab the Opportunity
Excel at the National level**

**Innovation Incubation and Entrepreneurship Cell
Presents**

SMART MINDS HACKATHON

 **SMART INDIA
HACKATHON
2025**

Problem Statements are Live: <https://www.sih.gov.in/>

- Open to all BRECW Students
- All team members must be from same college (No inter-college teams allowed)
- Each team would mandatorily comprise of 6 members including the team leader.

Date: 09 September 2025
VENUE: SEMINAR HALL-II (402 WB), BRECW.
Time: 09:30 AM-01:00 PM

IIE Cell Coordinator & Members: Dr Samit Kumar Singh
Dr P Sumalatha (CSE) Mrs AVS Radhika (CSE)
Mrs Sumeera (CSM) Dr N Pradeep Kumar Oud (ECE)
Ms Eleana (ECE) Mrs S Deepthi (EEE)
Mrs Dhanadeepika (EEE) Mrs Navaneetha (IT)

“Young minds solving real problems”

9th September 2025



Smart Minds Hackathon encouraging innovation and teamwork.

The Innovation Incubation and Entrepreneurship Cell of the college organized the Smart Minds Hackathon as part of Smart India Hackathon 2025 on **9th September 2025 at Seminar Hall-II**. The event was conducted with the objective of nurturing innovation, creativity, and problem-solving skills among students while preparing them for national-level competitions.

The hackathon aimed to encourage students to showcase their creativity, technical knowledge, and analytical thinking. Open to all BRECW students, the competition required teams of six members from the same college to collaborate and work on real-world problem statements released under Smart India Hackathon. The format encouraged teamwork, idea-sharing, and practical application of engineering concepts.

Students participated with great enthusiasm and dedication. Each team brainstormed ideas, discussed possible solutions, and worked systematically to design innovative approaches. The event created a dynamic and competitive environment where students learned the importance of teamwork, time management, and leadership.

The event successfully promoted a spirit of innovation and entrepreneurship among students. It encouraged participants to think beyond textbooks and focus on developing solutions that benefit society. Many students showed interest in continuing their ideas as research projects and startup initiatives.

Overall, the Smart Minds Hackathon was a meaningful and inspiring event that motivated students to explore new ideas, participate in national-level hackathons, and develop an innovative mindset. The program reflected the institution's commitment to fostering creativity, research, and entrepreneurial thinking among future engineers.

Institution of Engineers India (IEI)

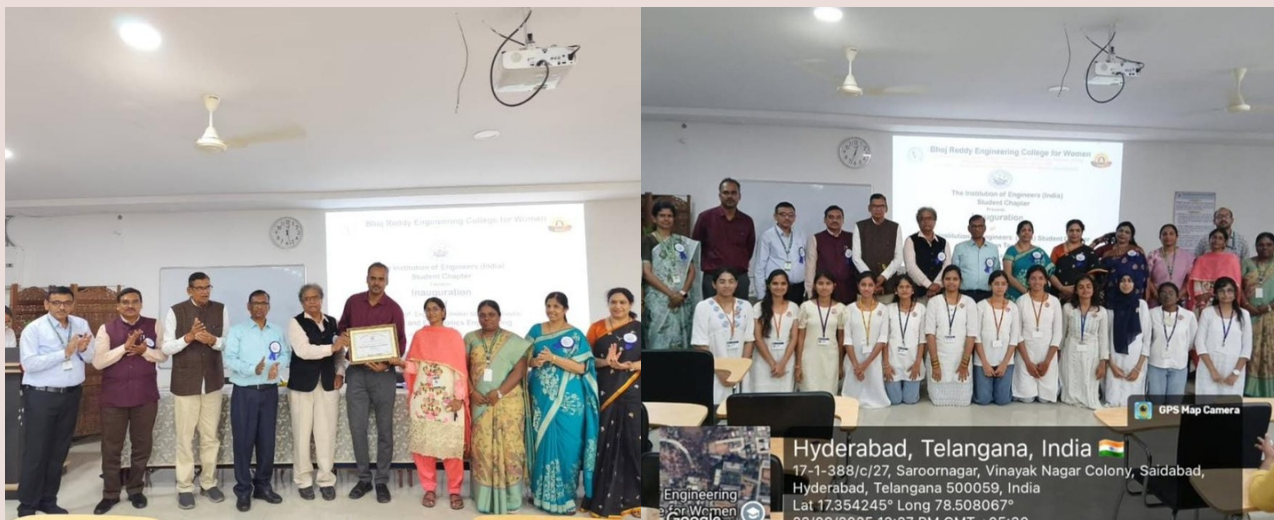
~STUDENT CHAPTER INAUGURATION

22nd September 2025

The Institution of Engineers India (IEI) Student Chapter inauguration was conducted at Bhoj Reddy Engineering College for Women on **22nd September 2025 in Seminar Hall-II**. The event was organized for students of all the departments to encourage professional development and technical exposure.

The inauguration marked the beginning of a new platform for students to enhance their engineering knowledge, leadership qualities, and networking skills. Faculty members highlighted the importance of professional bodies like IEI in shaping future engineers and providing opportunities for technical interaction, certifications, and knowledge-sharing.

A guest lecture was also delivered as part of the program, where students gained valuable insights into emerging technologies, industry trends, and career opportunities. The speaker emphasized the importance of continuous learning, innovation, and staying updated with advancements in technology. Students were encouraged to actively participate in technical events, workshops, and competitions to broaden their practical knowledge.



IEI Student Chapter inauguration at BRECW promoting technical excellence

The session was highly informative and inspired students to utilize the opportunities provided by IEI for their academic and career development. Overall, the event encouraged students to build strong technical foundations, improve their professional skills, and prepare confidently for future engineering careers. The inauguration successfully created awareness about the benefits of being part of a professional engineering body and motivated students to strive for excellence in their respective fields.

“Empowering future engineers”

Inauguration of VIRTUAL LABS-NODAL CENTRE

Bhoj Reddy Engineering College for Women was designated as a **Virtual Labs Nodal Centre in Telangana in collaboration with IIIT Hyderabad**. The inauguration of the Virtual Labs Nodal Centre was conducted on **24th September 2025** at Seminar Hall-II, marking an important milestone in the institution's journey toward digital and technology-enabled learning.

A guest lecture on **“Exploring Virtual Lab Tools: Bridging Theory and Practice”** was delivered by **Mr. P. Ravi Shankar, Outreach Manager of the Virtual Labs Project, IIIT Hyderabad**. The lecture introduced students and faculty to the concept of virtual laboratories and their growing role in modern education.

The session emphasized the importance of virtual labs in enhancing practical knowledge and supporting regular curriculum learning. Students learned how virtual experiments and simulations can help in understanding complex engineering concepts in a clear and interactive manner. The speaker demonstrated how virtual labs provide access to experiments anytime and anywhere, allowing students to practice repeatedly and strengthen their conceptual understanding.

Faculty and students attended the session with great interest and actively engaged in the discussion. The lecture encouraged students to utilize virtual labs for academic improvement, project work, and practical exposure.

“Virtual labs, real knowledge”



Bhoj Reddy Engineering College for Women
(Sponsored by Sangam Laxmibai Vidyapeeth, Accredited by NAAC with A Grade, Approved by AICTE and Affiliated to JNTUH)
Recognised by UGC under section 2(f) of the UGC Act, 1956.
Vinaynagar, I S Sadan Crossroads, Saidabad, Hyderabad - 500 059, Telangana www.brecw.ac.in

Inauguration of Virtual Labs-Nodal Centre

in Collaboration with
IIIT-Hyderabad

followed by
Guest Lecture on

Exploring Virtual Lab Tools: Bridging Theory and Practice

by
Mr P Ravi Shankar
Outreach Manager, Virtual Labs Project,
IIIT Hyderabad.

24 September 2025
10:45 to 12:45 Hrs.

Seminar Hall-II (402 WB)

Hyderabad, Telangana, India
Bhoj Reddy Engineering College for Women, Santhosh Nagar, 9g35+h7q, Saroornagar, Vinay Nagar, Saroor Nagar West, Saidabad, Hyderabad, Telangana 500059, India
Lat 17.354334° Long 78.508116°
24/09/2025 11:07 AM GMT +05:30

The Virtual Labs Nodal Centre inauguration along with a lecture on bridging theory and practice

The inauguration marked a significant step toward digital learning and innovative teaching methods. It strengthened the institution's commitment to providing quality technical education and modern learning resources. Overall, the initiative created awareness about the effective use of technology in education and motivated students to adopt digital platforms for continuous learning and skill development.

25th September 2025

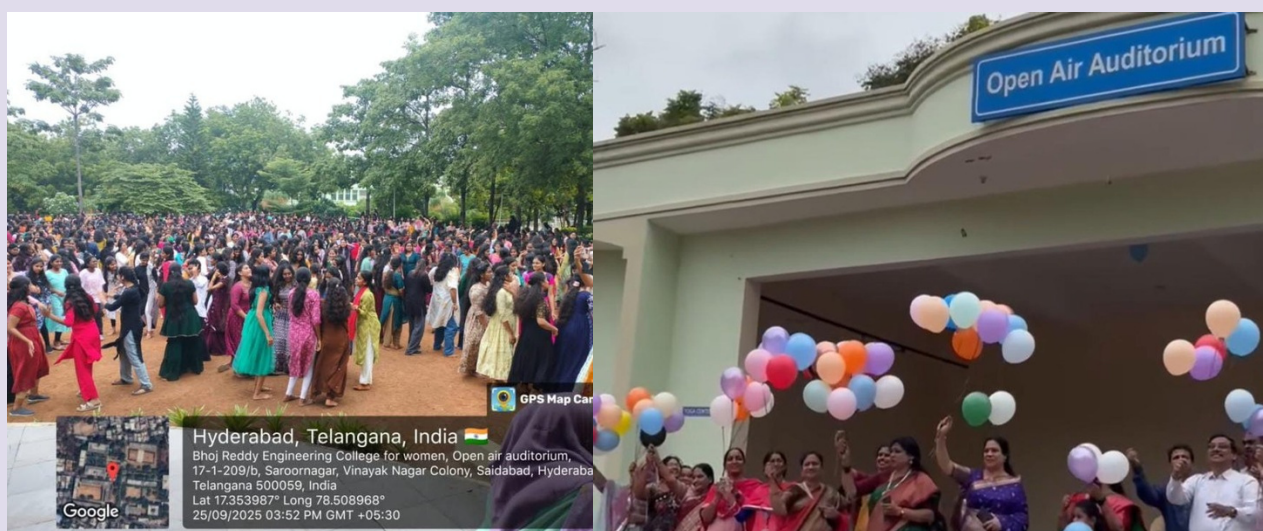
FUSION BEATS

“Dance, music, and joy”

Fusion Beats 2025 was organized in our college on **25th September 2025** with great excitement and enthusiasm to encourage students to showcase their cultural talents and creativity. The event provided a vibrant platform for students to express themselves through music, dance, and other cultural performances.

Students from various departments actively participated and displayed their skills with confidence and energy. The performances included singing, dance, and group presentations that entertained the audience and created a lively and cheerful atmosphere on campus. The audience appreciated the performers with loud applause, making the event more enjoyable.

The program aimed to promote teamwork, creativity, and cultural appreciation among students. Faculty members appreciated the participants for their efforts and encouraged them to continue exploring their talents alongside academics. The event also helped students build stage confidence and overcome hesitation.

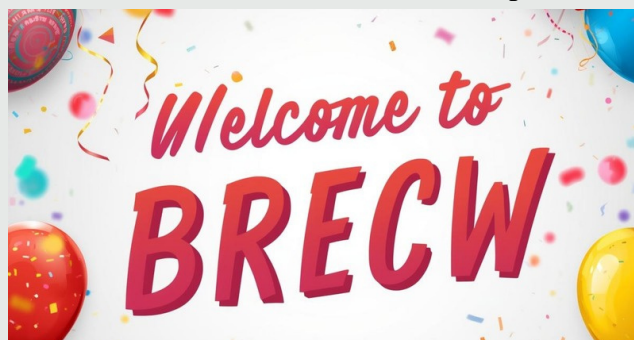


A colorful glimpse of cultural performances at Fusion Beats

Fusion Beats 2025 turned out to be a colorful and memorable event, bringing together students in a spirit of joy, unity, and celebration. The event successfully highlighted the importance of extracurricular activities in building confidence, teamwork, and overall personality development. It left everyone with happy memories and motivated students to participate in future cultural events.



FRESHERS DAY 2025



Freshers' Day 2025 was celebrated with great joy and enthusiasm at Bhoj Reddy Engineering College for Women to warmly welcome the new batch of students into the college community. The celebrations were organized department-wise from **10th October to 18th October 2025 at the Indoor Auditorium, Ramdev Block.**

The main objective of Freshers' Day was to create a friendly environment and help first-year students feel comfortable in their new surroundings. Seniors took special efforts to organize cultural programs, games, and interactive activities to break the ice and build connections. The auditorium was filled with excitement, laughter, and cheerful moments throughout the celebrations.

“New beginnings, new memories”



Welcoming the new batch during Freshers' Day 2025

Various performances such as dance, music, and fun games added color to the event. Freshers were encouraged to participate and showcase their talents, which boosted their confidence and stage presence. The activities helped students interact freely and form new friendships. Faculty members addressed the gathering and shared valuable guidance about academic discipline, time management, and personal development. They motivated students to make the best use of the opportunities available in the college and to maintain a balance between studies and extracurricular activities.

Freshers enthusiastically enjoyed the celebrations and actively participated in the programs. The event helped them feel welcomed and supported as they began their academic journey. Freshers' Day 2025 became a memorable occasion filled with joy, unity, and positive energy. Overall, the celebration marked a beautiful beginning for the new students and strengthened the bond between juniors and seniors, creating a warm and inclusive campus atmosphere.

ENTREPRENEURSHIP AWARENESS PROGRAMME

The Entrepreneurship Cell of Bhoj Reddy Engineering College for Women organized an *Entrepreneurship Awareness Programme in collaboration with MSME–CITD, Balanagar, Hyderabad*, to encourage students to explore entrepreneurship and self-employment opportunities.

The program was conducted on 15th, 21st, and 22nd October 2025 for B.Tech students of all the departments at the West Block Seminar Hall. The sessions aimed to guide students on how to begin their entrepreneurial journey and understand the fundamentals of starting and managing a business.

Resource persons from MSME–CITD shared valuable insights on business ideas, startup planning, financial support schemes, and government initiatives available for young entrepreneurs. Students were introduced to the concept of innovation-driven entrepreneurship and the importance of skill development in building successful ventures.



Students attending the MSME entrepreneurship session

Participants attended the sessions with great interest and actively engaged in discussions. The program helped students gain awareness about entrepreneurship as a career option and motivated them to think creatively and independently.

Overall, the Entrepreneurship Awareness Program served as an informative and inspiring platform for students to understand the possibilities in the startup ecosystem and to develop an entrepreneurial mindset for the future.

“Think. Innovate. Start.”

Three-Day Workshop

ON FUNDAMENTALS IN ARTIFICIAL INTELLIGENCE & CYBER SECURITY

Bhoj Reddy Engineering College for Women successfully organized a **Three-Day Workshop on “Fundamentals in Artificial Intelligence & Cyber Security”** under the Internal Quality Assurance Cell (IQAC). The workshop was conducted with the objective of equipping students with essential knowledge and practical exposure in the rapidly growing fields of Artificial Intelligence (AI) and Cyber Security.

The program aimed to introduce students to the core concepts of AI, machine learning basics, data-driven technologies, and cyber security principles. In today’s digital era, where technology plays a vital role in every sector, understanding AI and cyber security has become highly important for engineering students. The workshop served as a valuable platform for students to gain awareness about these advanced domains.

*“Artificial Intelligence builds
the future, Cyber Security
protects it”*

Artificial Intelligence is transforming the world by bringing smart solutions and innovations into every field, while Cyber Security ensures that these advancements remain safe and trustworthy. Together, AI and Cyber Security create a balanced digital future where technology is not only intelligent but also secure. A strong foundation in both areas prepares students to build systems that are innovative, reliable, and protected.



A knowledge-sharing session on future technologies

Resource persons and experts guided the participants through various topics including AI applications, data security, cyber threats, ethical hacking basics, and safe digital practices. The sessions were designed to be interactive and informative, enabling students to connect theoretical knowledge with real-world applications. Demonstrations and examples helped students understand how AI and cyber security solutions are used in industries.

Students actively participated in the sessions and showed keen interest in learning about emerging technologies. The workshop also highlighted career opportunities in AI and cyber security, motivating students to explore certifications, internships, and higher studies in these domains. The speakers encouraged students to continuously upgrade their technical skills to meet industry demands.



Students gaining practical knowledge on emerging technologies

Faculty members appreciated the initiative and emphasized the importance of such workshops in enhancing students' technical competence. The event also provided a platform for students to interact with experts and clarify their doubts regarding career paths in technology-driven fields.

In conclusion, the growing importance of Artificial Intelligence and Cyber Security in today's digital world cannot be overlooked. As technology continues to evolve, AI is driving innovation by enabling smarter systems, automation, and data-driven solutions, while Cyber Security plays a crucial role in protecting information, privacy, and digital infrastructure. Together, they form the foundation of a secure and intelligent technological future.

Understanding AI and Cyber Security helps students become responsible innovators who can design smart systems while ensuring safety and reliability.

Workshops and learning opportunities in these areas empower students to stay updated with industry trends, develop critical thinking, and prepare for real-world challenges. Ultimately, the integration of intelligence and security will shape a future where technology benefits society in a safe, ethical, and efficient manner, and students equipped with these skills will lead the way toward that future.

“Exploring the future of technology”



MILAN

20TH DECEMBER, 2025

Bhoj Reddy Engineering College for Women organized **MILAN-2025**, a grand alumnae reunion meet, to reconnect with its alumni and celebrate the strong bond shared within the BRECW family. The event is scheduled on *20th December 2025 at the BRECW Campus*, Vinaynagar, Saidabad, Hyderabad.

MILAN-2025 aims to bring together former students to relive their college memories and reconnect with friends, mentors, and the institution. The reunion provides a wonderful platform for alumni to share their professional journeys, achievements, and experiences with the current academic community.


Bhoj Reddy Engineering College for Women


Sponsored by Sangam Laxmibai Vidyapeet,
Approved by AICTE and Affiliated to JNTUH

Invitation

Dear Alumna,
You are cordially invited to the reunion meet to cheer all the wonderful moments with the BRECW family.



Date: 20-12-2025 **Time:** 9:45 AM to 1:00 PM
Lunch follows...

Venue: **BRECW Campus**
Vinaynagar, I S Sadan Crossroads,
Saidabad, Hyderabad-500 059, Telangana.

Registration link: <https://forms.gle/f4Szf6eamG3RHEj8>

DR V SUDHA
Secretary

DR CH SUJATHA GANGADHAR
Chief Operating Officer

DR K GRACY SAILA SREE

DR G SHYAMA CHANDRA PRASAD



MILAN-2025 bringing together the proud alumnae of BRECW

The meet is designed to strengthen the relationship between alumni and the institution, encouraging networking, mentorship, and collaboration. It also reflects the college's pride in the accomplishments of its graduates who continue to excel in various fields.

The event will include interactive sessions, memory-sharing moments, and a gathering filled with nostalgia and joy, followed by lunch. MILAN-2025 promises to be a heartwarming celebration of togetherness, gratitude, and lifelong connections.

“Reunited with memories”