

College vision

- To be a premier institution in engineering education and research, fostering innovation, societal responsibility, and ethical leadership for a sustainable future.

College Mission

- Promote innovation and cutting-edge research to develop sustainable engineering solutions for real-world and global challenges.
- Cultivate ethical leadership and technical excellence among students to become responsible and leading engineering professionals.
- Encourage active societal engagement and industry collaboration to drive inclusive growth and environmental responsibility.

Department vision

- To be a center of excellence in computer science and engineering education and research, fostering innovation, ethical computing, and societal impact for a sustainable future.

Department Mission

- Empower students with strong computing fundamentals, technical skills, and a problem-solving mindset to address complex computing challenges with confidence and responsibility.
- Promote research and innovation in emerging areas of computer science, encouraging ethical practices and responsible technology use for sustainable societal development.
- Foster collaboration with industry and interdisciplinary fields, and cultivate lifelong learning to prepare students for global careers, entrepreneurship, and continuous technological evolution.

CSE NEWS

PROGRAM EDUCATIONAL OBJECTIVES PEO

1. Graduates will build robust and efficient computing systems by applying strong technical knowledge, ethical practices, and problem-solving skills in professional environments.
2. Graduates will pursue advanced studies, research, or innovation-driven careers, contributing to sustainable development and technological progress.
3. Graduates will demonstrate leadership, adaptability, and a commitment to lifelong learning while working in interdisciplinary teams and global contexts.

PROGRAM SPECIFIC OUTCOMES PSO

1. Professional IT development and problem solving skills.
2. Preparing graduands for higher education and competitive exams.
3. Successful career and Entrepreneurship.

PROGRAM OUTCOME's

1. Engineering Knowledge

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis

Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/ Development of Solutions

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

5. Modern Tool Usage

Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

6. The Engineer and Society

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and Sustainability

Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and Team Work

Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication

Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project Management and Finance

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

EXPERT SESSION ON VLSI INDUSTRY AND IC FABRICATION HELD AT BIT ON 26 DECEMBER 2024



Mangalore, December 26, 2024: The Department of Training & Placement and the Department of Electronics & Communication Engineering at Bearys Institute of Technology (BIT), in collaboration with the IEEE Mangalore Subsection and the IEEE BIT Student Branch, organized an insightful session on the VLSI industry and IC fabrication at the National Seminar Hall.

The event commenced with a welcome address by Dr. Abdullah Gubbi, Head of the Department of Electronics & Communication Engineering, who emphasized the importance of VLSI design and IC fabrication in shaping the future of technology. He highlighted how such sessions bridge the gap between academia and industry, inspiring students to explore cutting-edge advancements in the electronics sector. The event reflected BIT's commitment to providing students with exposure to real-world technological developments and fostering an environment of continuous learning and innovation.

The session was led by Mr. Pavan Raj, Senior Layout Design Engineer at Karmic Design Pvt. Ltd., Manipal, who provided an in-depth overview of chip design and the intricate steps involved in IC fabrication. His talk covered the latest trends, challenges, and opportunities in the VLSI industry, offering students a clear understanding of the practical aspects of semiconductor technology.

The event concluded with a vote of thanks delivered by Ms. Bibi Fathima, a student of the ECE Department, who expressed gratitude to the resource person for sharing his valuable knowledge and to the organizing team for their efforts in making the event a success. The session was well received by the attendees, who actively participated in discussions and appreciated the opportunity to learn from an industry expert.

UTHKARSH 2024



MANGALORE: Bearys Knowledge Campus in Inoli, Mangalore, hosted a vibrant inter-school and inter-college competition, "Uthkarsh 2024," organized by the Bearys Group of Institutions. The event drew 430 students from 25 schools and colleges across Dakshina Kannada and Kasaragod districts, providing a platform for participants to showcase their talents and creativity.

The day featured a variety of competitions, including quizzes, science rangoli, e-waste model creation, working model presentations, photography, and treasure hunts. These contests were designed to inspire and challenge high school and PU students, fostering innovation, teamwork, and critical thinking.

Winners were rewarded with cash prizes totaling ₹1 lakh, along with mementos and certificates, recognizing their creativity and intellectual efforts.

The valedictory ceremony was graced by several distinguished guests, including:

Dr. Azeez Musthafa, Principal of BIES
Arch. Khaleel Razak, Principal of BEADS
BK Abdul Latheef, Principal of BIPUC
Prof. Prithviraj, Director of BITP
Dr. Abdullah Gubbi, HOD of Electronics and Communication Engineering
Dr. Nalini Rebello, HOD of Civil Engineering
Dr. Anjum Khan, HOD of Basic Science
Dr. Vasanth Kumar, HOD of Mechanical Engineering
Dr. Azeez Mustafa, HOD of Computer Science Engineering
Dr. Mehboob Mujawar, HOD of AI & DS Engineering
Mrs. Prafulla, the Program Coordinator, played a crucial role in organizing the event, ensuring smooth execution of all competitions throughout the day along with the event coordinators.

"Uthkarsh 2024" was celebrated as a remarkable initiative that encouraged students to push boundaries and excel in their respective fields, while also promoting teamwork, creativity, and innovation.

Invited Talk on Data Protection and Cyber Security Held at BIT on 19 December 2024



The Departments of Computer Science and Engineering (CSE) and Electronics and Communication Engineering (ECE), in collaboration with the IEEE BIT Student Branch and the Institution's Innovation Council, successfully organized an insightful invited talk on the crucial topics of "Global Data Protection Policy & Regulation" and "Cyber Security Architecture."

The event commenced at 11:00 AM in the International Seminar Hall, drawing a large attendance of students and faculty.

Eminent Guest Speakers

The session featured two distinguished scholars from Cardiff Metropolitan University, UK:

Dr. Vibhishinie Bentotahewa: A distinguished expert who provided valuable insights into Data Protection and Regulatory Frameworks, emphasizing the growing significance of data governance.

Dr. Liqaa Nawaf: A renowned authority who discussed Cyber Security Architecture, focusing on the need for robust security systems in the modern digital world.

The gathering was then addressed by several key figures:

Dr. Manjur Basha, Principal of BIT: He underscored the necessity of staying updated with emerging trends in data protection and cyber security, urging students to continuously enhance their skills to meet demanding industry requirements.

Session Outcome

The speakers shared their expertise on the challenges and practical solutions within these critical domains. The engaging talk provided attendees with valuable, actionable insights, inspiring students to explore these fields further.

The event concluded with a Vote of Thanks delivered by Dr. Azeez Musthafa, Head of the CSE Department, who expressed profound gratitude to the speakers, organizers, and participants for contributing to the session's grand success. The invited talk was highly successful and well-received by all attendees, leaving a lasting educational impact.

Three-Day Faculty Development Program on Advancing Pedagogy and Professional Growth Begins on 21st Jan 2025

MANGALORE, JANUARY 21, 2025 – The Departments of Civil Engineering, Computer Science and Engineering, and Electronics and Communication Engineering at Bearys Institute of Technology (BIT), Mangalore, inaugurated a Three-Day Faculty Development Program (FDP) titled “Advancing Pedagogy and Professional Growth” on January 21, 2025.

The inauguration ceremony began with a warm welcome by Dr. Nalini E. Rebello, who introduced the event’s objectives and emphasized the importance of evolving teaching methodologies. Dignitaries present included Heads of Departments from various disciplines and Principals of affiliated institutions. Dr. S.I. Manjur Basha, e.

Principal of BIT, provided an insightful overview of the program’s significance in fostering holistic development among faculty members. The event concluded with a Vote of Thanks by Dr. Abdullah Gubbi.

Day 1 Highlights



The morning session, titled Mindfulness for Effective Teaching Proficiency, was led by Mr. Ankith Kumar. This session focused on stress management strategies, integrating technology breaks, practicing self-care, and fostering empathy towards students. The interactive exercises provided participants with practical takeaways.

The afternoon session, Teaching Skills for Effective Learning, was conducted by Ms. Shwetha Bharath. The insightful session covered designing engaging lessons, improving communication, utilizing constructive feedback, and implementing activity-based learning methods. The emphasis was on innovative techniques to enhance classroom engagement.

The program is set to continue over the next two days, featuring a diverse lineup of sessions aimed at advancing pedagogical practices and professional excellenc

IEEE BIT STUDENT BRANCH HOSTS MINI PROJECT COMPETITION IN COLLABORATION WITH CEABIT COMPUTER SCIENCE STUDENT FORUM ON 1ST AUG 2024

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In a remarkable display of innovation and technical skill, the IEEE BIT Student Branch, in association with the CEABIT Computer Science Student Forum, organized a Mini Project Competition on August 1, 2024. The event featured an array of projects from students of the Computer Science and Engineering (CSE) and Electronics and Communication Engineering (ECE) branches. The competition was graced by the presence of Prof. Chandra Singh from Sahya College of Engineering, who served as the reviewer for the projects. Prof. Singh's expertise and insights provided valuable feedback to the participants, enhancing educational experience for all involved. The event commenced with a welcome address delivered by Dr. Abdullah Gubbi Branch Counselor of BIT and graced by Dr. Aziz Mustafa, Principal of BIES.



The event concluded with a heartfelt vote of thanks by Prof. Sinan of the CSE Department, acknowledging the efforts of all participants, organizers, and supporters. Highlighting the event, the best projects were awarded certificates and mementos, recognizing the exceptional work and creativity

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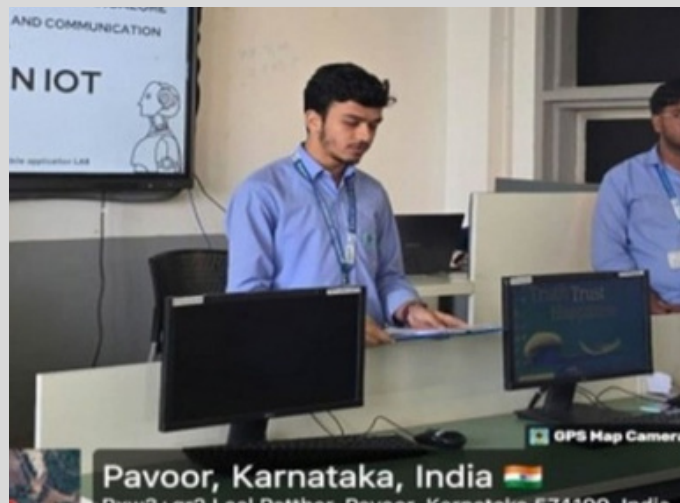
demonstrated by the students. The competition not only fostered a spirit of innovation but also provided a platform for students to showcase their technical skills. The Master of Ceremonies for the event was Ms. Saniya Banu, a student of the ECE department.

HANDS-ON IOT WORKSHOP



Beary's Institute of Technology (BIT), in collaboration with IEEE Mangalore Subsection, conducted a Hands-on IoT Workshop for ECE and CSE students on September 19, 2025. The event was coordinated by Dr. Abdullah Gubbi, HOD of ECE, and featured Ms. Saeedah Muhammad Qasim Ahmad as the resource person. Students learned key IoT concepts such as sensor integration, and real-time device connectivity. 32/51

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The workshop included interactive demos and practical sessions that encouraged innovative thinking and problem-solving. Participants appreciated how the event connected classroom learning with real industry applications, helping them better understand IoT systems and preparing them for future technical projects.

SCR FOOD FEST



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The SCR Food Fest was a lively and colorful event that brought together students, faculty, and staff to celebrate food, culture, and creativity. Various stalls were set up with a variety of delicious dishes prepared and presented by students.



Place a short bio about the contributor. Highlight their professional expertise along with notable accomplishments or affiliations. You may also include their hobbies or interests. Lastly, mention the piece they contributed to the magazine.

Overall, the SCR Food Fest was a delightful experience that combined fun, taste, and learning. It gave students a chance to showcase their culinary skills and made the day memorable for the entire campus.

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ORIENTATION



Faculty members interacted with the newcomers, offering guidance on how to balance studies, activities, and personal growth. Various clubs, committees, and departmental initiatives were also highlighted to encourage student participation. The session helped students understand the opportunities available to them and boosted their confidence as

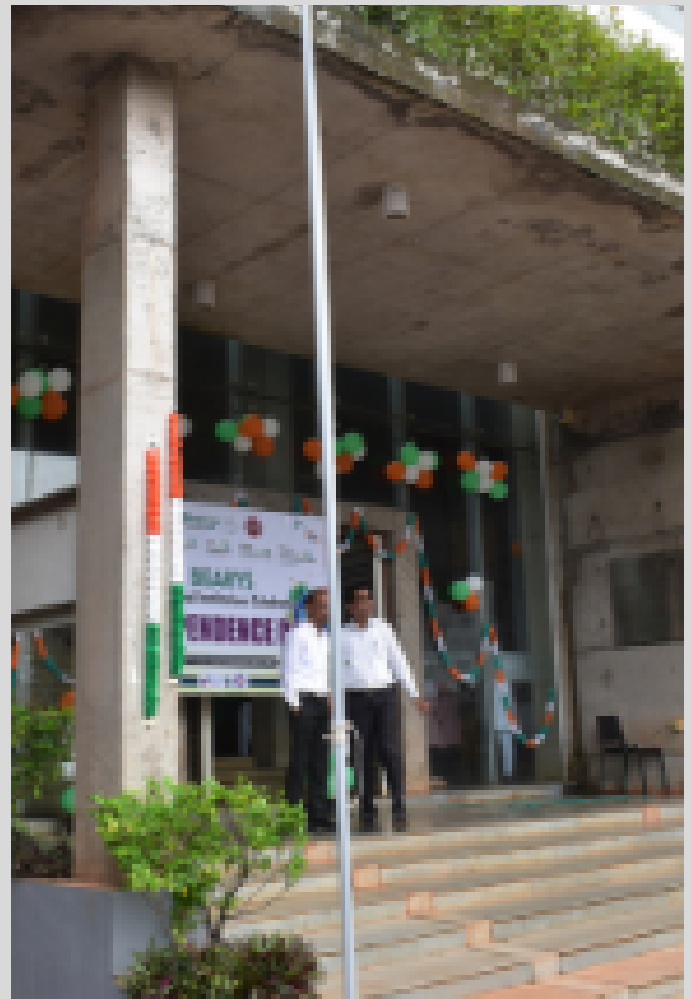
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they prepared to start their journey at BIT. The warm atmosphere, informative sessions, and supportive interaction made the orientation both meaningful and motivating for every new student.

The Orientation Program conducted on 18th September 2024 marked an important beginning for the new academic year 2024–25. The event was designed to welcome freshers and help them smoothly transition into college life. Students were introduced to the institution's vision, facilities, teaching methods, and academic expectations.

INDEPENDENCE DAY

On 15th August 2024, the institution celebrated Independence Day with deep pride and patriotic spirit. The ceremony began with the hoisting of the national flag, followed by the national anthem, creating a moment of unity and respect, among students, faculty, and staff. The campus was decorated in vibrant tricolours, adding to the festive reminding everyone of India's rich history and sacrifices.



The celebration also featured cultural performances, patriotic songs, and inspiring speeches that highlighted the nation's journey and achievements. Faculty members encouraged students to uphold the values of freedom, responsibility, and integrity. The event concluded on a positive note, leaving everyone motivated to contribute to the country's growth and uphold the deals of our Constitution.

WORLD GREEN BUILDING



On 14th institution organized a Plantation Drive to promote environmental awareness and encourage students to take part in building a greener campus. Students, faculty, and staff actively saplings creating a lively and eco- friendly atmosphere. The event highlighted the importance of sustainability,



responsibility toward nature. By planting trees, participants contributed to a cleaner environment and strengthened the message of protecting our planet. The drive was both impactful and inspiring, motivating everyone to continue supporting green initiatives throughout the year.

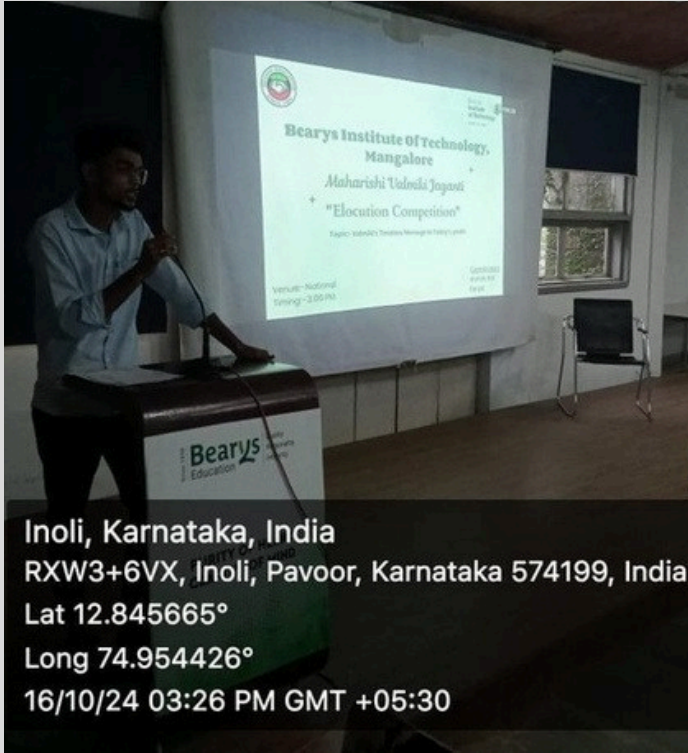
TEACHER'S DAY



Teachers' Day was celebrated on 5th September 2024 with great respect and gratitude across the campus. Students organized a warm and heartfelt program to honor the dedication, guidance, and hard work of their teachers.

The event included speeches, cultural performances and small appreciation activities that highlighted the important role teachers play in shaping students' futures. The atmosphere was filled with joy, admiration, and gratitude.

VALMIKI JAYANTI



Inoli, Karnataka, India
RXW3+6VX, Inoli, Pavor, Karnataka 574199, India
Lat 12.845665°
Long 74.954426°
16/10/24 03:26 PM GMT +05:30

The event brought together students, faculty, and staff to reflect on his timeless contributions to literature, culture, and moral values. The celebration began with a prayer, followed by a thoughtful talk on Valmiki's life journey—from his transformation to becoming a revered saint and poet. Speakers highlighted the values of truth, compassion, discipline, and righteousness that Valmiki emphasized through his teachings. Students shared quotes and reflections, making the program more engaging and meaningful.

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The event not only honored an important cultural figure but also inspired everyone to adopt noble virtues and lead a life rooted in wisdom and integrity.

ANTI-RAGGING & DRUG AWARENESS PROGRAM



The Department organized an Anti-Ragging and Drug Awareness Program on 5 November 2024 to educate students about campus safety and responsible behavior. The session was led by P.S.I. Puneet Goankar from Konaje Police Station, who explained the legal consequences of ragging and drug misuse in simple and impactful words. He shared real-life examples, encouraged students to maintain .

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discipline, and highlighted the importance of creating a safe and supportive campus environment. His interactive approach helped students understand the seriousness of the issues and motivated them to become responsible and aware individuals



The CSE Department organized an industrial internship program in Kochi on 29 November 2024, giving students valuable practical exposure to real-time software development environments. During the visit, students learned about industry workflows, project management practices, and the use of modern tools and technologies in professional IT companies.

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The internship experience greatly enhanced students' technical confidence and understanding of workplace expectations. It also helped them bridge the gap between classroom learning and real-world applications, motivating them to pursue advanced skills in programming, problem-solving, and software engineering.

JUEGO STUDIO

On 11th December 2024 the Department organized an interactive session with JUEGO studio a leading game development and design company. The event aimed to introduce students to the world of gaming,

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animations and emerging digital technologies

WORKSHOP ON ARTIFICIAL INTELLIGENCE ALGORITHMS FOR SATELLITE DATA ANALYSIS

The Department of Computer Science and Engineering organized an insightful workshop on “Artificial Intelligence Algorithms for Satellite Data Analysis” on 11th July 2024



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The session aimed to introduce students and faculty members to the growing role of Artificial Intelligence (AI) in the field of remote sensing and satellite data interpretation. The workshop began with a welcome address by the Head of the Department, who emphasized the importance of integrating AI techniques in scientific research and space technology. He shared valuable insights on how AI algorithms are transforming the way satellite data is processed, analyzed, and utilized for various applications such as weather forecasting, environmental monitoring, and disaster management. The Department of Computer Science and Engineering organized an insightful workshop on “Artificial Intelligence Algorithms for Satellite Data Analysis” on 11th July 2024.

PEER-TO-PEER LEARNING SESSION

The Department of Computer Science and Engineering conducted a Peer-to-Peer Learning Session for 4th semester students on 18th February 2025. The objective of the program was to encourage

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collaborative learning by allowing students to teach and learn from one another in an interactive manner.



In this session, selected students acted as peer mentors and explained important topics from subjects such as Data Structures, Operating Systems, and Database Management Systems. Group discussions, problem-solving activities, and concept-sharing tasks helped everyone improve their understanding and confidence in these technical subjects. Faculty appreciated the initiative, noting that peer learning builds teamwork, communication, and leadership skills among students. Participants also shared that such sessions made learning more enjoyable and helped them understand complex concepts more clearly.

ART



ART BY: MOHAMMED KASHIF
2ND YEAR CSE

POETRY

INDIA RISING

From dusty roads to digital
skies, A billion dreams begin to
rise. Young minds ready to
design, A brighter future, line
by line. With knowledge strong
and courage clear, The
change we seek is already
here.

BY: MOHAMMED UMAR NAAZ
2ND YEAR CSE

Conclusion

The 2024–2025 academic year concludes on a high note, reflecting significant achievements across student success and faculty accomplishments. The continued excellence of Bearys Institute of Technology is a direct result of the strong synergy between our dedicated faculty, motivated students, and the unwavering support of our management.

EDITED BY

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