

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.

IGNITING IDEAS



Bearys Institute of Technology (BIT), in association with IEEE BIT Student Branch Mangalore Subsection, organized an inspiring invited talk on "Igniting Ideas: Opportunities in Entrepreneurship" on 25th August 2025 at the International Seminar Hall. The session was delivered by Prof. (Dr.) Iddya Karunasagar from Nitte University, who spoke about innovation, risk-taking, and the importance of entrepreneurial thinking in today's competitive world. His insights encouraged students to think creatively and explore new opportunities.

The event began with a welcome address by Dr. Abdullah Gubbi, Head of the ECE Department, followed by anchoring by Ms. Avvabi and a detailed speaker introduction by Ms. Afrin Fathima. Dr. Sinan, HOD of CSE, also graced the occasion and appreciated the relevance of entrepreneurship for young engineers. Students and faculty actively engaged in the interactive session, gaining valuable knowledge about entrepreneurial ecosystems.

PROJECT SPARK 2025 IGNITES INNOVATION AND CURIOSITY AMONG BUDDING ENGINEERS ON 22 MAY 2025



Bearys Institute of Technology, Mangalore – May 2025: the electronics and communication engineering department at bit, in collaboration with its student association beaspire and the ieee student branch, successfully organized project spark 2025 — a vibrant platform that encouraged students to showcase their creativity, innovation, and technical skills. the event was energetically anchored by shabaz s. m. and nidha. the program commenced with a warm welcome by ms. avvabi shahna. dr. abduallah gubbi, head of the department and event coordinator, emphasized the significance of learning through experimentation, motivating students to apply classroom knowledge in real-world scenarios.

Principal dr. s.i. manjúr basha, in his keynote, urged students to stay updated with emerging technologies to thrive in today's competitive environment.

The event featured: a circuit show highlighting practical circuit applications. a project display showcasing innovative student projects. a technical quiz designed to test knowledge and critical thinking. a presentation on electronic components to deepen understanding of hardware fundamentals. project-building sessions that promoted collaboration and hands-on learning. the success of the event was driven by the meticulous efforts of student coordinator mr. avinash and his dedicated team. the program concluded with a vote of thanks by arifa farhana. project spark 2025 stood as a powerful demonstration of bit's commitment to experiential learning and the cultivation of future-ready engineers.

IEEE Awareness Session Highlights the Benefits of Membership and Societal Engagement on 15 April 2025



The IEEE Mangalore Subsection, in collaboration with the IEEE Student Branch of Bearys Institute of Technology (BIT), hosted an enlightening awareness session on the benefits of IEEE membership and the importance of forming IEEE societies at the institutional level. Dr. Satyanarayana, Chair of the IEEE Mangalore Subsection, delivered an insightful address highlighting the wide-ranging benefits of IEEE membership for students and faculty, including access to global knowledge resources, networking opportunities, and professional development. Dr. Parameshsachari, Vice Chair of the IEEE Bangalore Section, elaborated on the significance of establishing IEEE societies within educational institutions.

He emphasized how such societies foster innovation, collaboration, and technical leadership among students and faculty members alike. The session commenced with a warm welcome by Dr. Abdullah Gubbi, Head of the ECE Department and a key IEEE representative at BIT. Ms. Saima, Chair of the BIT IEEE Student Branch, served as the master of ceremonies and ensured the smooth flow of the event. The program witnessed active participation from students and faculty, reinforcing BIT's commitment to nurturing a vibrant technical community through IEEE engagement.



Recruiters carried out pre-placement talks, technical tests, and interview rounds to assess the students' coding abilities, communication, and problem-solving skills. Students participated with great confidence, demonstrating strong technical knowledge and readiness for professional roles. Thanks to the dedicated guidance of faculty members and placement coordinators, many students received placement offers from well known organizations.



PLACEMENT DRIVE - CSE DEPARTMENT

The Department of Computer Science and Engineering successfully conducted a Placement Drive on 23rd May 2025 to support final-year students in securing career opportunities

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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 collaborative learning

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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. The event concluded with motivation from faculty to continue supporting peer-based learning for academic and professional success.

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 2025

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.

TALENT HUNT



The Talent Hunt held on 12th April 2025 was an energetic and exciting event that gave students a platform to showcase their creativity and unique abilities. The stage came alive with performances ranging from singing and dancing to poetry, art, and other creative acts.



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Students participated with great enthusiasm, and the audience enjoyed the wide variety of performances. The event encouraged confidence, self-expression, and friendly competition, making it a memorable experience for everyone present.



STAFF ORIENTATION

The Staff Orientation held on 17 July 2025 was organized to welcome new faculty and brief all staff members about the academic goals for the upcoming year. The session focused on improving teaching quality, student engagement, and overall institutional development.

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During the orientation, the management shared key updates on policies, responsibilities, and departmental coordination. Staff members also discussed plans for research activities, events, and student support, ensuring a smooth and productive academic year.



INTERNATIONAL WOMEN'S DAY CELEBRATION



The International Women's Day Celebration 2025 was organized on 8th March at Bearys Institute of Technology with great enthusiasm and pride. The event focused on empowering women and recognizing their contributions to society. The invited speaker, Ms. Ashwini Holla, delivered an inspiring talk on women's leadership, confidence, and breaking barriers in professional fields. She encouraged students to dream big and believe in their abilities. Students and faculty actively participated, making the celebration meaningful and engaging. The session concluded with appreciation for the speaker and a renewed commitment toward promoting gender equality on campus.

EXPLORING CARRIER IN DEFENCE



On 12th August 2025, the Department of Computer Science organized an “Exploring Career in Defence” by Mr. Anees Kutty. He spoke about the wide range of career opportunities available in the including positions, engineering pathways. Students gained a clear understanding preparation importance dedication while pursuing a defence career.



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The talk motivated students to think beyond traditional career choices and and challenging field of national service. Mr. Anees Kutty shared real-life experiences, benefits of working in defence, and how technology plays a crucial role in modern defence system

COMPREHENSIVE INTERNSHIP SUPPORT GUIDE



the department organized a Professional Talk on Internship Guidance to help students understand the importance of industry training and career readiness. The session was led by an experienced professional who shared valuable insights on choosing the right internships, building skills, and preparing for real-world work environments.

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CSE DEPARTMENT MEETING

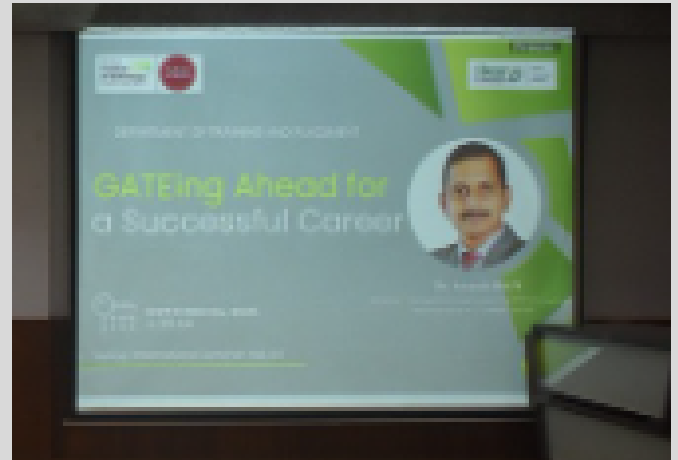
The CSE Department held a meeting to discuss and Faculty members reviewed the ongoing semester progress, course planning, and ways to enhance teaching quality. The meeting also focused on improving student engagement.



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In addition, plans for future events, workshops, and value-added programs were shared to enhance students' technical skills and exposure. The department also highlighted the importance of timely communication between faculty, students, and administration. The meeting concluded with a collective vision to promote excellence, teamwork, and continuous improvement within the CSE Department.

GATEING AHEAD FOR A SUCCESSFUL CARRIER PLACEMENT



The Department of CSE organized a guidance session titled "GATEing Ahead for a Successful Career" on 4th September 2025 to spread awareness about GATE exam opportunities. The resource person explained the importance of GATE for higher studies, PSU recruitment, and strong career growth. Students gained clarity on preparation strategies, exam patterns, and study resources.



IQAC ORIENTATION SESSION ON INTERNSHIP 2022 SCHEME

The IQAC Orientation Session on Internship for the 2022 Scheme was held on 28th August 2025 for Computer science Engineering and Electronics and Communication Engineering students.



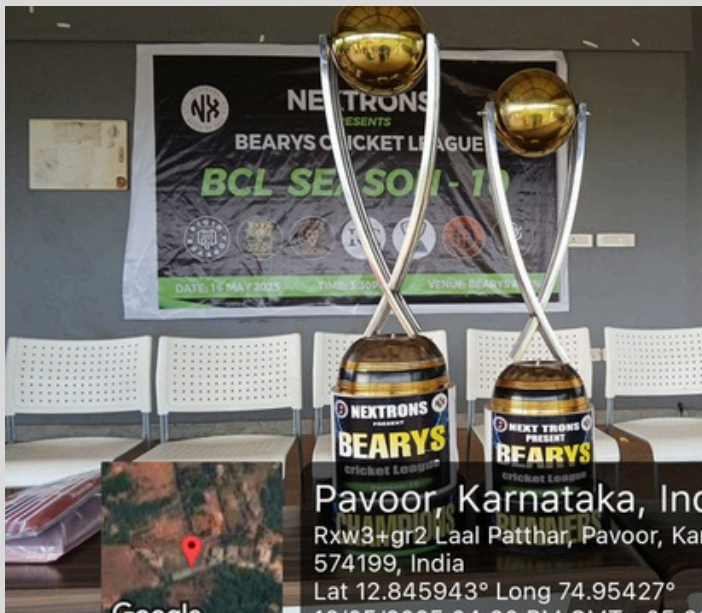
The Department of Computer Science and Engineering organized a Pre- Placement Training Programme on 9th October 2025 to prepare final-year students for upcoming campus recruitments. The session focused on building confidence, improving communication, and strengthening technical knowledge. Students were trained in aptitude reasoning, resume preparation, technical interview skills, group discussions, and mock HR interviews.



REPORT ON PRE-PLACEMENT TRAINING PROGRAM



BCL SEASON 10



Bearys Cricket League (BCL) Season 10, held on 16 May 2025, was an exciting and vibrant sports event that brought together students, faculty members, and cricket enthusiasts for a day filled with enthusiasm and competitive spirit. The tournament featured multiple teams from different departments, each demonstrating excellent teamwork, strategy, and dedication on the field.

The atmosphere was filled with cheers, excitement, and true sportsmanship as players competed with great passion and determination. The event not only highlighted the sporting talents of the participants but also promoted unity, collaboration, and healthy competition among the students and staff.

CSE DEPARTMENT SPORTS



The Department of Computer Science and Engineering (CSE) celebrated Sports Day on 22 May 2025, bringing students together for a lively and energetic day of sports and recreational activities.

The event aimed to encourage physical fitness, teamwork, and a spirit of healthy competition among students.

A variety of games and athletic events were organized, allowing students to actively participate and showcase their sporting talents. The competitions were conducted in a friendly and enthusiastic atmosphere, with participants displaying determination, coordination, and sportsmanship throughout the day.

Students cheered for their teammates, creating an environment filled with excitement and unity. The event not only provided a refreshing break from academic routines but also strengthened bonds among students while promoting a balanced and active lifestyle.

POETRY



Art by:
Muhammad Bilal Shaikh
2nd year CSE

HOSTEL LIFE

Mess food talks and corridor laughs,
Stories written in tiny halves.
Shared notebooks and borrowed pens,
Late-night talks with closest friends.
Through sleepless nights and endless tea,
We built our own small history.
Years may pass and days may flee,
But hostel nights will always be.

By:
Shaik Mahammed Muthahar
2nd year CSE

PUBLICATION SUMMARY

Sl. No	Name of the Faculty	Title of the Paper /Book / Book chapter	Journal / Conference Name	Type of Publication	Publisher/ Journal Name	ISSN/ISBN Number	Indexing	Month and Year of Publication
1	Ms. Akshatha S. A.	Placement Management System for Campus Recruitment	International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)	Journal	IRJMETS Publications	ISSN 2582-5208	UGC CARE	2024
2	Dr. Nubila Jaleel	ICS SCADA Cyber-Attacks Detection and Forecast with Deep Learning Algorithms	Engineering Science and Technology, an International Journal (ESTIJ)	International Journal (Elsevier, Scopus Indexed)	Elsevier	ISSN: 2215-0986	Scopus Indexed, SCI Indexed (Q1 Journal)	2024
3	Mr. Mohammed Sinan Marykattay	An Enhanced Lightweight Secure Cryptographic Encryption and Decryption Algorithm using New Mersenne Number Transform for IoT Applications	International Conclave on Engineering Science & Technology (ICEST-2024)	International Conference	—	—	—	2024

Sl. No	Name of the Faculty	Title of the Paper /Book / Book chapter	Journal / Conference Name	Type of Publication	Publisher / Journal Name	ISSN/ISBN Number	Indexing	Month and Year of Publication
4	Dr. Nubila Jaleel	An Enhanced Lightweight Secure Cryptographic Encryption and Decryption Algorithm using New Mersenne Number Transform for IoT Applications	International Conclave on Engineering Science & Technology (ICEST-2024)	International Conference	—	—	—	2024
5	Mr. Mohammed Sinan Marykattay	Comparative Analysis of Lightweight and Heavyweight Cryptographic Technique	International Conclave on Engineering Science & Technology (ICEST-2024)	International Conference	—	—	—	2024
6	Dr. Nubila Jaleel	Comparative Analysis of Lightweight and Heavyweight Cryptographic Technique	International Conclave on Engineering Science & Technology (ICEST-2024)	International Conference	—	—	—	2024

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7	Mr. Mohammed Sinan Marykattay	Lane Detection for Autonomous Vehicles using OpenCV Library	International Conclave on Engineering Science & Technology (ICEST-2024)	International Conference	—	—	—	2024
8	Dr. Nubila Jaleel	Lane Detection for Autonomous Vehicles using OpenCV Library	International Conclave on Engineering Science & Technology (ICEST-2024)	International Conference	—	—	—	2024

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

Sl. No	Title	Publisher	Faculty Editor	Students Editor	Link
1	NEWSLETTER 2024-25	Department of CSE	Prof. Umaira	Mohammed Hisham, Fathima Sharfa	https://bitmangalore.edu.in/

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