



BEARYS INSTITUTE OF TECHNOLOGY

LANDS END INNOLI, MANGALORE-574199

— Department of Electronics and Communication —
Engineering



BYTES & INSIGHTS

Dept Vision & Mission

Events

Workshop

Achievements

Placements

Vision

To be recognized by the world at large as a full-fledged department offering quality technical education in the field of Electronics and Communication Engineering with focus on research and catering to the needs of the environment and society.

Mission

1.To deliver outstanding education by continuously enhancing curriculum and fostering collaboration with industry leaders.

2.To nurture the spirit of innovation and creativity in niche areas of technology among faculty and students by providing state-of-art research facilities.

3.To provide ethical and value- based education by emphasizing multi-disciplinary activities to address the societal needs and environmental sustainability.

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College Vision and Mission

Vision



To be a world-class engineering institution that nurtures leaders in every field of Engineering and Technology and grooms Knowledgeable men and women with the highest ethics and values, who can significantly contribute to a progressive, peaceful, and greener world

Mission



Creating a stimulating academic environment by achieving excellence in the teaching-learning process to meet the growing needs of the industry and society. Fostering innovation and creativity through constant research with competent human resources and state-of-the-art infrastructure Transform and steer society towards a sustainable green environment and instil value-based education for a better world.

PROGRAM OUTCOMES(PO)

- 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 analyze 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:** 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.
- 5.Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 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.

PROGRAM SPECIFIC OBJECTIVES(PSOs)

- To design, analyze and implement hardware - software systems for signal processing, communication, VLSI and embedded systems for the given functionality and specifications.
- To develop professional skills to address ethical, societal and environmental challenges and to effectively manage projects in multidisciplinary areas.

Dr. Abdullah Gubbi

HOD & Faculty Editor

Electronics and Communication Engineering



Dear Students, Faculty Members, Alumni, and Readers,

As we look back on the academic year 2022–2023, I am pleased to share this message through the Department Magazine of the Electronics and Communication Engineering Department, Bearys Institute of Technology, Mangalore.

This publication captures the journey of a year marked by learning, growth, innovation, and collective achievement. Throughout the year, the ECE Department has continued its commitment to academic excellence, research advancement, and ethical professional practices. In a rapidly evolving technological environment, we have focused on strengthening core concepts, enhancing practical skills, and aligning our teaching–learning processes with industry expectations and emerging technologies. Our students have displayed commendable enthusiasm and determination through academic performance, innovative projects, technical competitions, internships, and co-curricular activities. Their achievements reflect not only their hard work but also their readiness to face real-world challenges.

I sincerely appreciate the dedication of our faculty members, whose continuous efforts in teaching, mentoring, research, and professional development have been instrumental in shaping our students' success. At Bearys Institute of Technology, we place strong emphasis on holistic development. Beyond technical knowledge, we nurture leadership skills, ethical values, teamwork, and social responsibility. The department actively promotes innovation, interdisciplinary learning, industry interaction, and research-oriented thinking to prepare students for global opportunities. This magazine serves as a meaningful platform to showcase the academic, technical, and creative contributions of our students and faculty during the year.

I congratulate the editorial team for their diligent efforts in bringing out this publication and thank all contributors for making it informative and inspiring. As we move ahead, I encourage our students to remain curious, confident, and committed to lifelong learning, and urge our faculty to continue striving for excellence and innovation. Together, let us build upon the achievements of this year and work toward an even more impactful future. I wish all our students and staff continued success in their academic and professional endeavors. With best wishes, Dr. Abdullah Gubbi Head of the Department Electronics and Communication Engineering Bearys Institute of Technology, Mangalore

Uzair Ahmed & Mariyam Fameeza

Message from the Student Editor – ECE

Message from the Student Editor – ECE

Dear Readers,

It gives us great pleasure to present the ECE Department Magazine 2022–2023 of Bearys Institute of Technology, Mangalore. This edition is a reflection of the dedication, talent, and innovative spirit demonstrated by our students, faculty, and alumni throughout the academic year.

The magazine brings together a diverse collection of technical write-ups, project highlights, creative contributions, and glimpses of various events, all of which portray the dynamic environment of our department. Being part of this editorial journey has been a meaningful and enriching experience, offering opportunities for learning, cooperation, and creativity.

We would like to express our heartfelt appreciation to all contributors for their valuable submissions and to our faculty members for their unwavering support and encouragement. Special thanks are also due to the editorial team for their consistent efforts and teamwork in making this publication a reality.

We hope that this magazine not only informs but also motivates readers by showcasing the accomplishments and experiences of the ECE Department. Wishing everyone continued growth and success in the years ahead.

Warm regards,

Uzair Ahmed & Mariyam Fameeza

Student Editors

ECE Department

Bearys Institute of Technology, Mangalore

TEACHING STAFF



Dr. S I Manjur Basha
Principal



Dr. Abdullah Gubbi
Professor & HOD



Ms. Mubeena Parvin
Associate Professor



Mr. Abdul Jabbar
Asst. Professor



Ms. Rashmi
Asst. Professor



Mr. Jeevan M D
Asst. Professor



Ms. Nikhitha C
Asst. Professor



Ms. Fathimath Fameeza
Asst. Professor



Mr. Sujay K
Asst. Professor

NON TEACHING STAFF



Mr. Srikanth K S
Lab Instructor



Mr. Sagar
Attender

UNLOCKING LEARNING POTENTIAL

In 2022, Department of Electronics and Communications Engineering organized a workshop titled “Unlocking Learning Potential with Salesforce” to enhance students’ knowledge of cloud-based technologies and industry-ready skills. The session introduced participants to the fundamentals of Salesforce, its real-world applications in customer relationship management (CRM), and its growing importance in the IT industry.



Through hands-on demonstrations and interactive discussions, students gained valuable insights into how Salesforce can empower businesses and open new career opportunities. The event served as a strong step toward bridging the gap between academic learning and modern industry demands.

INDEPENDENCE DAY

On 15th August 2022, our institution celebrated the 76th Independence Day with enthusiasm and pride. Students, faculty, and staff came together to honor the nation's freedom and pay tribute to its heroes.



The celebration included brief cultural performances and speeches that highlighted India's journey and the sacrifices of its heroes. The atmosphere was filled with unity, respect, and national spirit, making the occasion meaningful for everyone present.

“Freedom shines brightest when a nation stands united.”

MINING PROTEST

The mining protest was organized to raise awareness about the environmental damage and health risks caused by excessive mining activities in the region. Students, activists, and community members gathered to express their concerns and demand stricter regulations to protect local ecosystems and public safety.



The protest highlighted the need for sustainable practices, responsible resource management, and government action. Participants emphasized that development should not come at the cost of nature or community well-being, calling for long-term solutions that balance progress with environmental protection.

ONAM



Pavoor, Karnataka, India
Unnamed Road, Pavoor, Karnataka 574199, India
Lat 12.84588°
Long 74.955222°
22/10/22 11:10 AM GMT +05:30



Pavoor, Karnataka, India
RXW4+8JJ, Pavoor, Karnataka 574199,
Lat 12.846422°
Long 74.955803°
22/10/22 12:25 PM GMT +05:30

The Onam Fest 2022 was a grand celebration of tradition, culture, and happiness, leaving behind cherished memories of togetherness and festive joy. The event brought together students and faculty to celebrate the traditional festival of Kerala, showcasing unity, joy, and togetherness.

REPUBLIC DAY



The Republic Day Celebration 2022 filled everyone with pride and inspired us to contribute to the nation's growth. The event honored the day India's Constitution came into force, symbolizing unity, freedom, and our democratic spirit.



The Republic Day Celebration 2022 concluded with a renewed sense of national pride, leaving everyone inspired to contribute positively to the country's growth and development.

Invited Talk on the Benefits of IEEE Membership



An Invited Talk on the Benefits of IEEE (Institute of Electrical and Electronics Engineers) Membership was organized on 30th July 2022 at Bearys Institute of Technology (BIT). The resource persons for the event were Dr.Poornalatha, Associate Professor, I&CT Department, MIT Manipal, and Present Chair, IEEE Mangalore Subsection; Dr.Niranjan U. C., President, BMESI, Past Chair, IEEE Mangalore Subsection, Adjunct Professor, MIT, Director – Research and Training, and MDN Labs; and Mr.AnikethShenoy, IEEE Region 10 Student Representative.

The programme commenced with a welcome address by Dr. Abdullah Gubbi, HOD, ECE, BIT–Mangaluru. The session began with an address by Mr.AnikethShenoy, who encouraged students to become members of the IEEE Student Chapter. Dr.Poornalatha highlighted that the primary goal of IEEE is to apply technology for the betterment of humanity. Dr.Niranjan U. C. addressed the queries raised by the students during the interactive session.

The programme provided a valuable learning experience through an engaging question-and-answer session. The participants comprised students from various engineering branches. The event concluded with a vote of thanks by Prof. AfsarBaig, HOD, CSE.

Seminar on “Robust Stabilization and Control of Takagi-Sugeno Fuzzy Systems”



The Department of Electronics and Communication Engineering, Bearys Institute of Technology (BIT), Mangalore, hosted an insightful seminar on “Robust Stabilization and Control of Takagi-Sugeno Fuzzy Systems” on 6th September 2022. The event featured Dr. Iqbal Ahammed Kaladgikar, Professor, Department of Electrical and Electronics Engineering (EEE), AITM, Bhatkal, as the keynote speaker.

The seminar commenced with a warm welcome address by Dr. Abdullah Gubbi, Head of the Department of ECE and coordinator of the event. An introduction to the session and the speaker was presented by Prof. Nikitha C, also a coordinator of the program. The proceedings were efficiently conducted by the Master of Ceremony, Ms. Susmitha K. The session began at 10:00 AM, drawing keen interest from both students and faculty members.

During the seminar, Dr. Kaladgikar provided a comprehensive overview of advanced concepts in Takagi-Sugeno fuzzy systems, focusing on robust stabilization and control strategies. His presentation offered practical insights and highlighted the importance of fuzzy system design in modern engineering applications.

The session concluded with an interactive Q&A segment, fostering engaging discussions and clarifying complex concepts for the attendees. The seminar proved to be highly enriching, enhancing the academic knowledge of participants and inspiring interest in advanced control systems and fuzzy logic applications.

Inauguration of IEEE BIT Student Chapter



Mangaluru: IEEE BIT Student chapter inaugurated on 12th Jan, 2023 at the international Seminar hall, Bearys Knowledge Campus. The dignitaries present to grace this occasion were Dr.Poornalatha, Associate Professor, I&CT Dept. MIT, Manipal and Present Chair IEEE Mangalore Subsection. Dr.Mohit P Tahiliani, Asst. Professor, Dept of CSE, NITK surathkal.Dr. U C Niranjan, President BMESI, Past Chair IEEE- Mangalore Subsection, Professor. AshwiniHolla, Dept. of ECE, Canada Engineering College, Mangalore.

Dr. Abdullah Gubbi, HOD-ECE, BIT-Mangalore welcomed the gathering. The introductory remarks were delivered by Dr. S.I. ManjurBasha, Principal BIT. In his address, he said, "The goal of the IEEE chapter is to bring technology for the betterment of humanity".

The Session began with highlighting the student chapter benefits for students, Faculties, Institutions and society by Chief Guest Dr.Poornalatha. The inaugural ceremony commenced with the watering of plants by the dignitaries. Then Followed by a talk on industry-oriented opportunities for the student members and non-members by the Guest of Honor, Dr.Mohit.Guest of Honor, AshwiniHolla, shared the experiences of the various student members around the globe, emphasizing the importance of networking. Dr. U C Niranjan gave a technical talk on Applications of Embedded Systems and interacted with the students. The session provided a learning experience with a question and answer session. The Students of Various Engineering Branches and Bachelor of Computer Application were present.

The Vote of Thanks was delivered by Prof. UmmeNajma, Asst. Professor, Dept of CSE and master of ceremony was Ms. Salma N, Student of the ECE Branch. The program concluded with the National Anthem.

The Talk on Current Technology Trends and Opportunities



Bearys Institute of Technology in association with BIT IEEE Student Branch organized an Invited Talk on current technology trends and opportunities on 2nd March, 2023 at 2:00 PM. The resource person for this event was Mr.Vipin Kumar Nittoor, Manager, TE2.0, Global logic Bangalore.

The talk was aimed at providing insights into the latest technology trends and the opportunities that lie ahead for students in the field of technology. Mr Nittoor began the talk by discussing the importance of keeping up with the latest technological advancements and how it can benefit students in the long run.

He discussed some of the latest technology trends that are currently shaping the world, including Artificial Intelligence (AI), Machine Learning (ML), Big Data, Cloud Computing, and the Internet of Things (IoT). He explained these technologies and how they are being used in various industries, ranging from healthcare to finance.

Mr Nittoor also highlighted the importance of soft skills such as communication, problem-solving, and teamwork in the technology industry. He advised students to work on these skills alongside their technical skills to enhance their employability.

The complete event received enthusiastic support from the students and staff members. The event was graced by Dr. S.I ManjurBasha, Principal, and BIT-Mangalore. Dr. Abdullah Gubbi, Branch Counselor, IEEE (Institute of Electronics and Electrical Engineering)-SB, Prof UmmeNajma, Secretary welcomed the gathering. The Master of ceremony for the event was Ms.Bhagyashree, Student of ECE. The vote of thanks was derived by Ms.Kaveri, Student of ECE. The event concluded with the National Anthem.

Talk on Active and Passive Noise Pollution Control



Bears Institute of Technology in association with BIT IEEE Student Branch organized an Invited Talk on Active and Passive Noise Pollution Control to Achieve NetZero on 3rd March, 2023 at 11:00 AM. The resource person for this event was Sher Afghan Khan (Prof. Dr.), IIUM Gombak Campus, Kulliyah of Engineering, Malaysia.

In his talk Khan has said noise pollution is a growing concern in our modern world. It affects our health and well-being, disrupts our sleep patterns, and impairs our ability to concentrate. It's not just an issue for individuals; it also affects the environment and wildlife.

He added the concept of NetZero aims to balance the amount of energy used with the amount of renewable energy generated. This goal is achievable, but it requires innovative solutions and a commitment from individuals, businesses, and governments.

Khan has shared knowledge and expertise on how we can reduce noise pollution through the use of innovative technologies and strategies, which are active and passive while also contributing to the larger goal of NetZero.

The event was a resounding success, with both students and staff members showing great enthusiasm throughout. Dr. S.I Manjur Basha, Principal of BIT-Mangalore, gave presidential remarks. Prof Sinan, Assistant professor, CSE welcomed the gathering. The guest was introduced by Dr. Imran Mukashi, Prof Mechanical Department. While Prof. Umme Najma, Secretary, and IEEE, delivered the vote of thanks.

Igniting Scientific Spirit: Science Day Celebration



Mangaluru: Bearys Institute of Technology (BIT) on 7th March 2023, Tuesday afternoon celebrated Science Day with great enthusiasm and fervor. The event was held at International Seminar hall at the college campus and was attended by students, faculty of the college.

Dr. Ganesh Sanjeev, Professor of Physics at Mangalore University attended the event as the chief guest and delivered an address on the topic "Particulate Radiation and its Application".

He gave a detailed account of the discovery of Radiation waves, and their significance in the field of healthcare.

He also discussed the challenges faced in the detection of Radiation and the potential for future research in this field.

The event provided a platform for the students to learn about the latest developments in science and technology and interact with experts in the field.

The prizes were distributed for the winners of various competitions held. Dr. S.I Manjur Basha, Principal of BIT-Mangalore, gave presidential remarks. Dr. Anjum Khan, HOD Basic Science welcomed the gathering. The event was coordinated by Dr. Vinutha PR, Physics Department. Dr. Aziz Mustafa, Principal of BIES spoke on Importance of Science and technology. While Prof. Joyson, Asst Professor, delivered the vote of thanks.

The program concluded with the National Anthem.

Exploring Blockchain Technology: Transforming Industries using Web3 and the Shardedum network



BIT- IEEE Student branch in association with CEABIT organized an Invited Talk on “Intro into Blockchain” on 29th April, 2023 at 10:00AM at the International Seminar Hall. The world of blockchain and decentralized technologies took center stage in a recent event titled “Intro into Blockchain.” The event aimed to educate participants about the potential of blockchain, the Shardedum network, and web3 technology. With a lineup of esteemed speakers and hands-on sessions, the event left attendees inspired and enlightened.

The event began with a warm welcome to all participants by Dr. Aziz Mustafa, Prof. CSE Department. The first session, conducted by Chirag Ravishankar, a prominent contributor at Shardedum, delved into the intricacies of the Shardedum network. Ravishankar’s expertise and captivating presentation style kept the audience engaged as he explained the decentralized nature and security features of the network. The session also provided participants with a unique opportunity to gain practical insights through hands-on activities.

Following Ravishankar’s session, Hardik Singh, a DevRel (Developer Relations) expert from Lumos Labs, took the stage to discuss web3 technology. Singh’s talk shed light on the potential of web3 as the next generation of internet technology, enabling decentralized applications and user-centric experiences. He emphasized the importance of understanding web3’s impact on various industries and encouraged participants to embrace this evolving landscape.

The event further explored the practical aspects of blockchain technology, focusing on the use of cryptocurrencies. Participants were given a hands-on session on how to obtain and utilize cryptocurrencies effectively. The interactive session provided valuable insights into the mechanics of cryptocurrencies, their applications, and the importance of security practices when handling digital assets.

The speakers, Chirag Ravishankar and Hardik Singh, brought their expertise and passion for decentralized technologies, igniting a sense of curiosity and excitement among the attendees. Their informative talks, combined with the engaging hands-on sessions, made the event a resounding success.

The event concluded with a vibrant question-and-answer session, where participants had the opportunity to clarify their doubts and seek further guidance from the speakers. The atmosphere was abuzz with conversations, ideas, and a shared enthusiasm for the future of blockchain technology. The program concluded with the National Anthem.

National Energy Conservation Week 2023 inaugurated at Bearys Knowledge Campus on 24th June 2023



Mangalore: Bearys Knowledge Campus in Mangalore marked the beginning of the National Energy Conservation Week 2023 with a prayer and warm welcome extended by Dr. Abdullah Gubbi, the event's coordinator.

The annual event, organized by the Department of ECE-BIT Mangalore in association with Karnataka Renewable Energy Development Limited, aims to promote awareness about energy conservation and encourage eco-friendly practices.

During the inauguration, Dr. S.I. Majur Basha, Principal of BIT, delivered impactful remarks emphasizing the importance of collective action in addressing energy conservation and highlighting the significant role that students and faculty members play in driving change. The audience was captivated by his insightful speech.

To symbolize unity and commitment towards energy conservation, an enthusiastic group of students and faculty members from various departments participated in a spirited march. They proudly carried banners and posters advocating for energy conservation, visually representing the collective effort required to create a sustainable future.

The week-long event will feature workshops and activities covering a wide range of topics related to renewable energy and energy-efficient technologies.

Attendees will have the opportunity to showcase innovative solutions for a greener tomorrow. Following the inauguration, an invited talk on energy conservation was delivered by Dr. UC Niranjana, Director of Research & Training at Manipal Dot Net, Manipal. Dr. Niranjana, a renowned expert in the field of Embedded Systems, shared his knowledge and insights on this vital subject.

The event witnessed the presence of Principals from BEADS and BIES, as well as heads of various departments, faculties, and students, all coming together to support and participate in the National Energy Conservation Week 2023 at Bearys Knowledge Campus.

Effective Research Writing Techniques



A one-day Faculty Development Programme (FDP) titled "Effective Research Writing Techniques" was organized at Bearys Institute of Technology (BIT), Mangaluru, on 17th July 2023.

The programme commenced with a welcome address by Dr. S. I. Manjur Basha, Principal, BIT–Mangaluru. The speaker highlighted that publishing in high-impact journals is achievable through dedication, consistency, and persistent effort.

The session was highly interactive and concluded with a question-and-answer segment, providing a valuable learning experience for faculty members from Engineering, Architecture, and Diploma streams. The event concluded with a vote of thanks by Dr. Abdullah Gubbi, HoD, Department of ECE.

One-Day Workshop on “Networking Projects Using Cisco Packet Tracer”



The Department of Electronics and Communication Engineering organized a one-day workshop on “Networking Projects Using Cisco Packet Tracer” on 16th December 2022 at Bearys Institute of Technology.

The workshop was conducted by Mr. Rahul Redkar, Freelancer and expert coach in networking from Goa, who served as the resource person for the event. The session began with a warm welcome address by Dr. Manjur Basha, Principal, BIT, who emphasized the importance of practical exposure and industry-relevant skills for students in the field of networking and communication technologies.

During the workshop, Mr. Rahul Redkar provided valuable insights into networking projects and highlighted various career and job opportunities in computer networking. The session also included an engaging hands-on training component, where participants were introduced to the effective use of the Cisco Packet Tracer tool for designing and simulating networking projects. The interactive nature of the workshop enabled students to gain practical knowledge and confidence in implementing networking concepts.

The workshop witnessed enthusiastic participation from students of the Computer Science and Electronics departments. The event was efficiently coordinated by Prof. Mehaboob M., Department of Electronics and Communication Engineering. The programme concluded with a vote of thanks by Dr. Abdullah Gubbi, Professor, Department of Electronics and Communication Engineering, who expressed gratitude to the resource person, organizers, and participants for making the workshop a successful learning experience.

The workshop proved to be highly beneficial, bridging the gap between theoretical concepts and practical applications in the field of computer networking.

Campus Pool Drive by Expertise Contracting Co. Ltd at BIT Mangaluru



The Bearys Institute of Technology (BIT), Mangaluru, hosted an exciting pool drive by Expertise Contracting Co. Ltd on 18th August, providing students with a unique opportunity to step into the professional world. The event was designed to assess talent, offer career guidance, and identify potential candidates for the company's upcoming projects.

The day began with a warm welcome to the company representatives by the Training and Placement Cell, followed by an introductory session where the recruiters shared insights about Expertise Contracting Co. Ltd, its ongoing projects, and the various roles available for fresh graduates. Students were inspired by the company's vision and encouraged to align their skills with industry expectations.

The recruitment process included a written aptitude test, technical evaluation, and personal interviews, conducted with utmost professionalism. Students from multiple disciplines actively participated, showcasing their technical knowledge, problem-solving abilities, and communication skills. The interaction with the company experts also served as a valuable learning experience, as they provided tips on industry readiness and professional growth.

The pool drive was efficiently coordinated by the Training and Placement Cell of BIT, with faculty members guiding the students throughout the process. Many students expressed that the experience boosted their confidence and provided clarity on corporate expectations. One of the participants shared, "This drive helped me understand the level of preparation needed for real-world challenges. It was both motivating and enlightening."

The event not only opened doors for potential placements but also offered a platform for students to connect with industry professionals, gain insights into workplace culture, and refine their career aspirations. The management, faculty, and students extend their heartfelt gratitude to Expertise Contracting Co. Ltd for organizing the campus drive and giving BIT students a valuable opportunity to showcase their talent. Such initiatives reinforce BIT's commitment to bridging the gap between academics and industry, preparing students for a bright and successful professional journey.

Student Interactive Session on “Social Responders for a Better Tomorrow!”



Bearys Institute of Technology (BIT), in collaboration with the ISTE Chapter, successfully organized a Student Interactive Session titled “Social Responders for a Better Tomorrow!” on 13th July 2023 at the International Seminar Hall. The event was envisioned to sensitize students and faculty towards social responsibility and to recognize the invaluable contributions of individuals and organizations working towards societal development.

The session featured two distinguished speakers, Ms. Misbah Shahid and Mr. Mohammed Ali Shariff, whose inspiring addresses shed light on the multifaceted dimensions of social responsiveness. Their insights encouraged participants to reflect on their roles as responsible citizens and future change-makers.

The program commenced with the invocation of the Almighty, setting a reflective and purposeful tone for the session. This was followed by a warm welcome address by Dr. S. I. Manjur Basha, Principal of Bearys Institute of Technology, who highlighted the importance of nurturing socially conscious engineers and professionals. The presence of faculty members and students from various institutes added to the significance of the event.

Ms. Misbah Shahid, with over 15 years of rich experience in education and development, delivered the opening talk. She emphasized self-awareness as the cornerstone of becoming an effective social responder. Her address focused on understanding one’s strengths, weaknesses, and values as a prerequisite for contributing meaningfully to society. Her thought-provoking talk resonated deeply with the audience, inspiring students to embark on a journey of introspection and purposeful action.

The session was further enriched by the address of Mr. Mohammed Ali Shariff, Director at Rehbar, an organization known for innovating ethically compliant structures to support the growth of Small and Medium Enterprises (SMEs) through access to equipment and funding. Mr. Shariff spoke passionately about serving all strata of society, stressing the importance of inclusivity, empathy, and collaboration. He urged students to look beyond superficial boundaries and work towards uplifting marginalized communities, thereby making a genuine and lasting impact.

The interactive nature of the session allowed participants to engage meaningfully with the speakers, fostering a deeper understanding of social responsibility and ethical leadership. The event concluded with a vote of thanks delivered by Dr. Aziz Mustafa, Principal of BIES, who expressed gratitude to the speakers, organizers, and participants for making the session a success. The program was seamlessly anchored by Prof. Joyson of the Basic Science Department, who served as the Master of Ceremony.

Overall, the session served as a powerful platform to inspire young minds to embrace social responsiveness and reaffirmed BIT’s commitment to holistic education that extends beyond academics, aiming to build a better and more compassionate tomorrow

SparkFest 2023: An Experiential Learning and Student Engagement Initiative by BEASPIRE



The Electronics and Communication Engineering student association, BEASPIRE, orchestrated a spectacular event known as "SparkFest" – a technical circuit rig-up designed exclusively for ECE students. The event, which took place on the 31st of January 2023 at 2:00 PM, saw active participation from students enrolled in the 3rd and 5th Semesters.

A profound sense of technical skill and innovation infused the competition, as students showcase their skills in circuitry. The 1st prize was secured by Mr. Hyder, Nihal, and Numan for their exceptional work on the "Vehicle Parking System." Meanwhile, the 2nd prize was claimed by Mr. Mahroof, Safwan, Naufal, and Shihabuddin, who impressed with their project on the "Theft Detection System using Laser and LDR."

In recognition of their outstanding achievements, the winners of the 1st and 2nd positions were honored with cash prizes. The event was coordinated by Dr. Mehboob and Prof. Jeevan, whose guidance contributed to the seamless execution of SparkFest. Additionally, the invaluable contributions of student coordinators, Mr. Harris, Aman, and Ms. Fida from the 5th Semester, played a pivotal role in ensuring the success of this technical extravaganza.

Medical Image Processing using Python



On 24th June 2023 at 2:00 PM, BIT IEEE Student Branch organized a hands-on workshop on Medical Image Processing using Python. The event aimed to provide participants with practical knowledge and skills in utilizing Python for processing medical images. The resource person for this workshop was Dr. U.C Niranjan, Director of Research & Training at Manipal Dot Net, Manipal.

Dr. UCN commenced the workshop by emphasizing the significance of staying up to date with the latest technological advancements and how it can benefit students in their future endeavours. He specifically focused on the field of medical image processing and its growing importance in healthcare.

Participants were introduced to various Python libraries and tools commonly used for medical image processing, such as NumPy, OpenCV, and scikit-image. Dr. UCN provided hands-on demonstrations and guided the participants through practical exercises, where they learned how to load, pre-process, analyse, and visualize medical images using Python.

The workshop received an enthusiastic response from both students and staff members. Dr. Abdullah Gubbi, Branch Counselor of IEEE Student Branch, welcomed the participants to the event and expressed his appreciation for their active participation. Prof. Afsar Baig from the Department of Computer Science and Engineering (CSE) delivered the vote of thanks, acknowledging Dr. UCN for his valuable insights and practical guidance.

PLACEMENTS



Mohammadmateen Bagawan

BE - ECE

Offered By



Saleek Hasan

BE - ECE

Offered By



Pratibha

BE - ECE

Offered By



PLACEMENTS



Renuka H Gondi

BE - ECE
Offered By



Sumangala Kattimani

BE - ECE
Offered By



Sheik Mohammed Afthaz

BE - ECE
Offered By



Uzair Ahmed

BE - ECE
Offered By



PLACEMENTS



Aishwarya Kalal

BE - ECE

Offered By



Mahinbanu

BE - ECE

Offered By



Bhagyashree Goudar

BE - ECE

Offered By



Kaveri Basarakod

BE - ECE

Offered By



CONCLUSION

The year 2022 was a remarkable one for Bearys Institute of Technology, showcasing excellence, resilience, and innovation. Students and faculty achieved success across academics, research, sports, and cultural events, bringing pride to the institution.

BIT strengthened industry ties through new MoUs, promoted sustainability with initiatives like the Energy Conservation Program and IGBC Student Chapter, and achieved notable placements.

The collective dedication of the BIT community made 2022 a year of growth, achievement, and inspiration.

FOR INQUIRIES, CONTACT US.



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[contactout.com/company/Bearys-
Institute-of-Technology-
MANGALORE-74703](http://contactout.com/company/Bearys-Institute-of-Technology-MANGALORE-74703)