



DON BOSCO INSTITUTE OF TECHNOLOGY



ECE CHRONICLES



JANUARY-JUNE 2023

DON BOSCO INSTITUTE OF TECHNOLOGY
MYSORE ROAD, KUMBALGODU, BANGALORE-560074

HIGHLIGHTS



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- MANAGEMENT'S KEYNOTE
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INNOVATING MINDS: ELECTRONICS AND COMMUNICATION ENGINEERING AT DBIT

SINCE ITS INCEPTION IN 2001, THE ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT AT DBIT HAS GROWN TO AN INTAKE OF 180 STUDENTS, SUPPORTED BY A DEDICATED FACULTY WITH AN AVERAGE OF 15 YEARS OF EXPERIENCE, MANY HAVING INDUSTRIAL BACKGROUNDS.

THE DEPARTMENT BOASTS A STRONG STAFF-TO-STUDENT RATIO OF 1:16 AND IS EQUIPPED WITH MODERN LABORATORIES, A DEPARTMENTAL LIBRARY, AND INTERNET FACILITIES. STUDENTS GAIN HANDS-ON EXPERIENCE THROUGH INDUSTRIAL TRAINING AND LIVE PROJECTS, ENHANCING THEIR EMPLOYABILITY.

WITH A FOCUS ON RESEARCH AND CREATIVE WORK, THE DEPARTMENT MAINTAINS A HIGH PASS PERCENTAGE AND EXCELLENT PLACEMENT RECORDS, WITH TOP COMPANIES LIKE TCS, COGNIZANT, AND MENTOR GRAPHICS ACTIVELY RECRUITING. MANY STUDENTS ALSO SECURE ADMISSIONS TO PRESTIGIOUS INTERNATIONAL UNIVERSITIES FOR M.S. PROGRAMS.

THE DEPARTMENT FOSTERS HOLISTIC DEVELOPMENT THROUGH ITS ASSOCIATION "ELECTRONICA," WHICH ORGANIZES WORKSHOPS, SEMINARS, AND SKILL DEVELOPMENT PROGRAMS. STUDENTS ACTIVELY ENGAGE IN TECHNICAL, CULTURAL, AND SPORTS EVENTS, CONSISTENTLY BRINGING ACCOLADES TO THE DEPARTMENT.

CHEIF EDITOR

DR. AN MAHESHWARAPPA
HOD ECE, DBIT

MANAGING DIRECTOR

PROF. MAHADEVI S MANUR
PROF ECE DEPT

EDITOR

MS. LIKITHA R
STUDENT, 4TH SEM, ECE

MANAGEMENT'S-KEYNOTE



Sri. B BYLAPPA PRESIDENT

ECE Chronicles, the department newsletter highlights key developments, notable achievements, and upcoming events that will further solidify our commitment to excellence. As we continue to strive for greater heights, I encourage you to remain engaged with our department, whether by participating in events, mentoring students, or collaborating on research initiatives.

Sri. B MANJUNATH VICE PRESIDENT

I would like to take this opportunity to thank all of you—students, faculty, staff, and alumni—for your continued efforts and contributions. Your work strengthens the fabric of our ECE department and ensures our lasting success. Let's continue this journey of excellence and make the most of the exciting opportunities ahead.





Sri. B. RAGHAV SECRETARY

The ECE department, has successful accreditation from both the National Board of Accreditation (NBA) and the National Assessment and Accreditation Council (NAAC). These accreditations are a testament to the collective efforts of our faculty, staff, and students, and they highlight our commitment to excellence in education, research, and overall institutional development. I take this opportunity through this Newsletter to congratulate and wish best of Luck to the entire ECE department for all their endeavours

Dr.Nagabhushana B S PRINCIPAL

The field of ECE continues to be a cornerstone of technological innovation, and I am delighted to witness the outstanding contributions from our department to both academia and industry. I encourage all students to take full advantage of the opportunities provided by the department and to continue pushing the boundaries of what is possible in electronics and communication technology. Congratulations to the editorial team for bringing together such a valuable resource, and I hope you all find this edition inspiring and insightful.



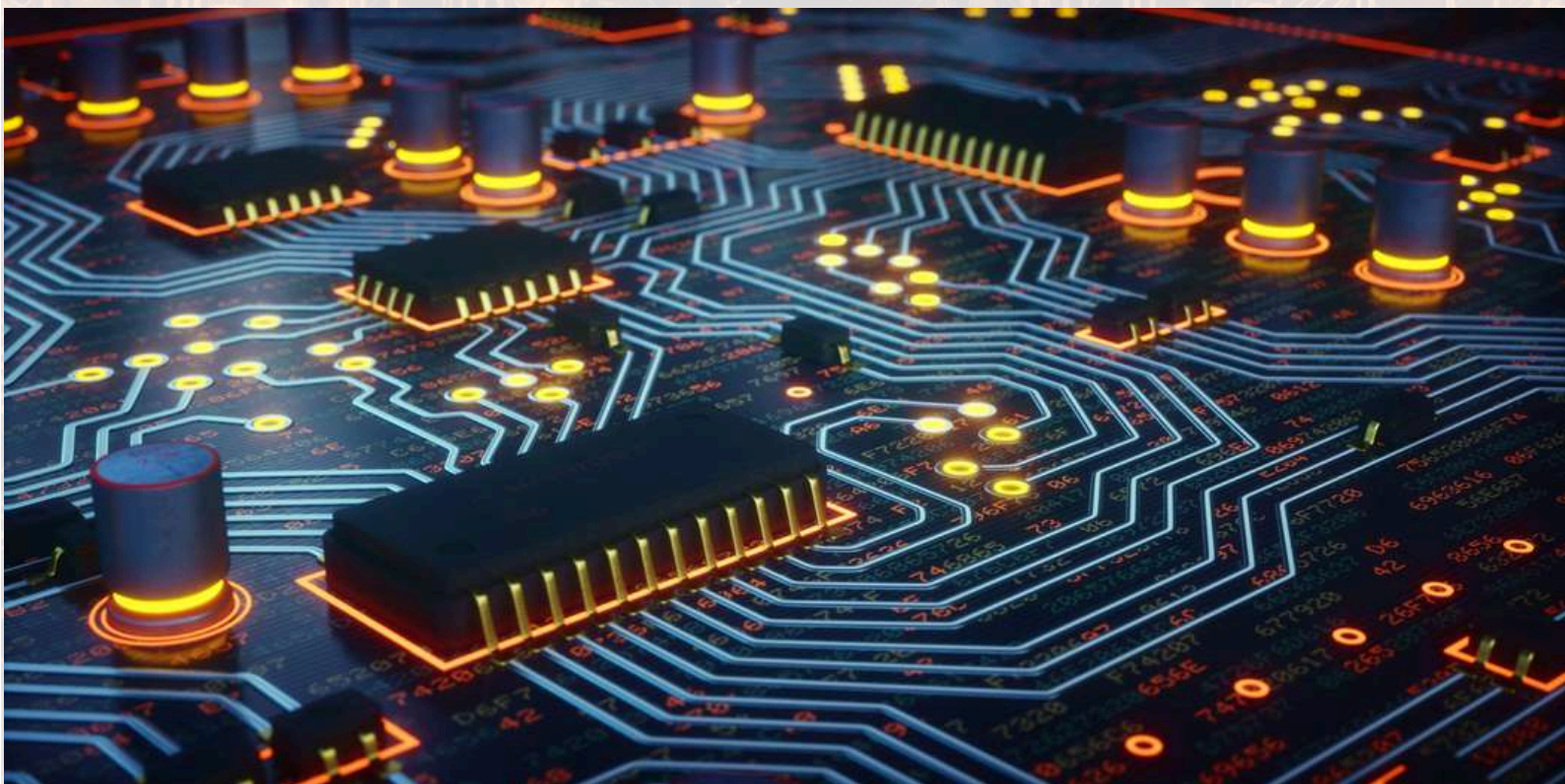
VISSION AND MISSION

VISSION:

To nurture and disseminate the body of knowledge in the field of electronics and communication engineering along with ethical values to serve the society globally.

MISSION:

- To impart knowledge through teaching learning process that builds strong concepts in Electronics and Communication Engineering.
- To inculcate technical, professional, managerial and leadership skills.
- To nurture students to provide sustainable solutions keeping environmental considerations and ethical practices.



HOD'S MESSAGE



DR. AN
MAHESHWARAPPA,
HEAD OF ELECTRONICS
AND COMMUNICATION
ENGINEERING

WELCOME TO THE DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING (ECE) AT DON BOSCO INSTITUTE OF TECHNOLOGY, BANGALORE. THE FIELD OF ELECTRONICS AND COMMUNICATION ENGINEERING PLAYS A PIVOTAL ROLE IN SHAPING THE FUTURE OF OUR DIGITAL WORLD, AND WE ARE COMMITTED TO PROVIDING OUR STUDENTS WITH THE KNOWLEDGE, SKILLS, AND EXPERIENCE THEY NEED TO EXCEL IN THIS EVEREVOLVING INDUSTRY. OUR DEPARTMENT PRIDES ITSELF ON OFFERING A ROBUST CURRICULUM THAT BLENDS THEORETICAL FOUNDATIONS WITH HANDS-ON PRACTICAL EXPERIENCE. FROM CUTTING-EDGE RESEARCH IN AREAS SUCH AS LIKE VLSI DESIGN, WIRELESS COMMUNICATION, SIGNAL PROCESSING, IOT, ETC AND TO COLLABORATIONS WITH INDUSTRY LEADERS, WE AIM TO EQUIP OUR STUDENTS WITH THE TOOLS NECESSARY TO SOLVE REAL-WORLD PROBLEMS AND BECOME LEADERS IN THEIR FIELDS. WE ARE ALSO PROUD OF OUR DISTINGUISHED FACULTY, WHO BRING A WEALTH OF EXPERIENCE AND EXPERTISE TO THE CLASSROOM, FOSTERING AN ENVIRONMENT OF ACADEMIC EXCELLENCE AND INNOVATION. THEIR MENTORSHIP AND GUIDANCE ARE INSTRUMENTAL IN HELPING OUR STUDENTS THRIVE IN BOTH ACADEMIC AND PROFESSIONAL ARENAS. AT ECE, WE PLACE A STRONG EMPHASIS ON RESEARCH AND DEVELOPMENT, ENCOURAGING OUR STUDENTS TO ENGAGE IN GROUND BREAKING PROJECTS AND EXPLORE EMERGING TECHNOLOGIES. THROUGH INTERNSHIPS, INDUSTRY COLLABORATIONS, AND STATE-OF-THE-ART LABS, OUR STUDENTS GAIN INVALUABLE PRACTICAL EXPOSURE, ENSURING THEY ARE READY TO MEET THE CHALLENGES OF THE GLOBAL TECH INDUSTRY. WHETHER YOU ARE A PROSPECTIVE STUDENT, RESEARCHER, OR INDUSTRY PARTNER, WE LOOK FORWARD TO WELCOMING YOU TO OUR DEPARTMENT AND WORKING TOGETHER TO SHAPE THE FUTURE OF ELECTRONICS AND COMMUNICATION ENGINEERING.

JANUARY

2023

NATIONAL YOUTH DAY CELEBRATION

National Youth Day was celebrated at Don Bosco Institute of Technology, organized by the ISTE and the ECE Department. The event, coordinated by ISTE ECE student coordinators under the guidance of Dr. Shashiranjana, honored Swami Vivekananda's birthday, focusing on youth empowerment.

Activities included motivational talks, cultural performances, and discussions that encouraged students to reflect on leadership and innovation. Dr. Shashiranjana emphasized the importance of harnessing young minds to drive positive change.

The celebration fostered community among students and reinforced the ideals of Swami Vivekananda, inspiring them to contribute meaningfully to society. Overall, the event was a great success, showcasing the commitment of the ISTE and ECE Department to nurturing youth talent.



FEBRUARY 2023

FEB 1.1

DIALECTIC A TECHNICAL EVENT BY ELECTRONICA FORUM

On February 2, 2023, the Electronica Forum hosted an engaging technical event called "Spectron." Organized by enthusiastic student coordinators, this event aimed to foster innovation and technical knowledge among participants in the field of electronics and communication.

Under the expert guidance of faculty coordinators Dr. Roopa BS and Prof. Tejaswini ML, and with the valuable support of Dr. A.N. Maheshwarappa, the Head of the ECE Department, Spectron provided a platform for students to showcase their skills and creativity. The event featured a series of competitions, including presentations, quizzes, and hands-on projects, encouraging students to think critically and apply their theoretical knowledge in practical scenarios.

Participants had the opportunity to engage with cutting-edge technologies and explore emerging trends in the electronics sector. The atmosphere was vibrant, filled with enthusiasm as students collaborated and shared ideas, reflecting the spirit of teamwork and innovation fostered by the Electronica Forum.

The success of Spectron highlighted the department's commitment to promoting technical excellence and enhancing the overall learning experience for students. This event not only served as a showcase of talent but also reinforced the importance of extracurricular activities in developing well-rounded engineers. Overall, Spectron was a remarkable success, inspiring students to continue exploring their passions in technology and innovation.

DON BOSCO INSTITUTE OF TECHNOLOGY
Mysore Road, Bengaluru - 74

Department of Electronics And Communication
Electronica Forum
In Association with
ISTE Student chapter-DBIT

"SPECTRON"

"Slingshot the processor with electrons"

List of Rounds

- 1 Piction it Caption it
- 2 DEC - BIN
- 3 Brush Your Brain

Participants will get digital certificate

Faculty Co-ordinators
Mrs Roopa B S
Mrs Tejaswini M L
ISTE Convener
Dr Shashi Ranjan

Student Co-ordinators -
3rd sem Forum co-ordinators

Date - 02/02/2023
Venue - SH2
Time - 2 PM



FEB 1.2

SESSION ON OVERVIEW OF "APPLIED VLSI DESIGN" IN COLLABORATION WITH DBIT ALUMNI ASSOCIATION

On February 24, 2023, the Electronica Forum, in collaboration with the DBIT Alumni Association, hosted a seminar on "Applied VLSI Designs." Supported by Dr. A.N. Maheshwarappa, Head of the ECE Department, the event featured Mr. Rohit, founder of Plus PPA Nanochip and a distinguished alumnus.

Mr. Rohit shared insights on VLSI design trends and applications, encouraging students to engage with emerging technologies. The seminar strengthened connections between current students and alumni, highlighting the achievements of DBIT graduates.

Overall, the event successfully showcased the Electronica Forum's commitment to enhancing learning experiences for future engineers.

FEB 1.3

DIALECTIC A TECHNICAL EVENT BY ELECTRONICA FORUM

On February 9 and 10, 2023, the ECE Department hosted a lively "Jamming" event featuring activities like cooking without fire, best out of waste, craft making, and plantation. Coordinated by Prof. Chaitra S and Prof. Shwetha M, the event encouraged enthusiastic participation from ECE students.

The atmosphere was filled with creativity and collaboration, providing a refreshing break from academics. Overall, Jamming was a successful event, fostering community spirit and leaving students with lasting memories.

MARGM

2023

IISC OPEN DAY VIST

The Department of Electronics and Communication Engineering organized an industrial visit for ECE students to the Indian Institute of Science (IISc) in Bangalore on March 4, 2023, during IISc's Open Day. Coordinated by Dr. Sharanbasappa and Dr. Shashiranjan, this visit provided students with a valuable opportunity to explore one of India's leading research institutions.

Students attended exhibitions and demonstrations highlighting ongoing research projects and innovations in electronics and communication. They interacted with faculty and researchers, gaining insights into real-world applications of technology. Guided tours of state-of-the-art laboratories further enriched their experience.

Overall, the visit to IISc inspired students to pursue research and innovation, emphasizing the importance of practical exposure in their education.



APRIL

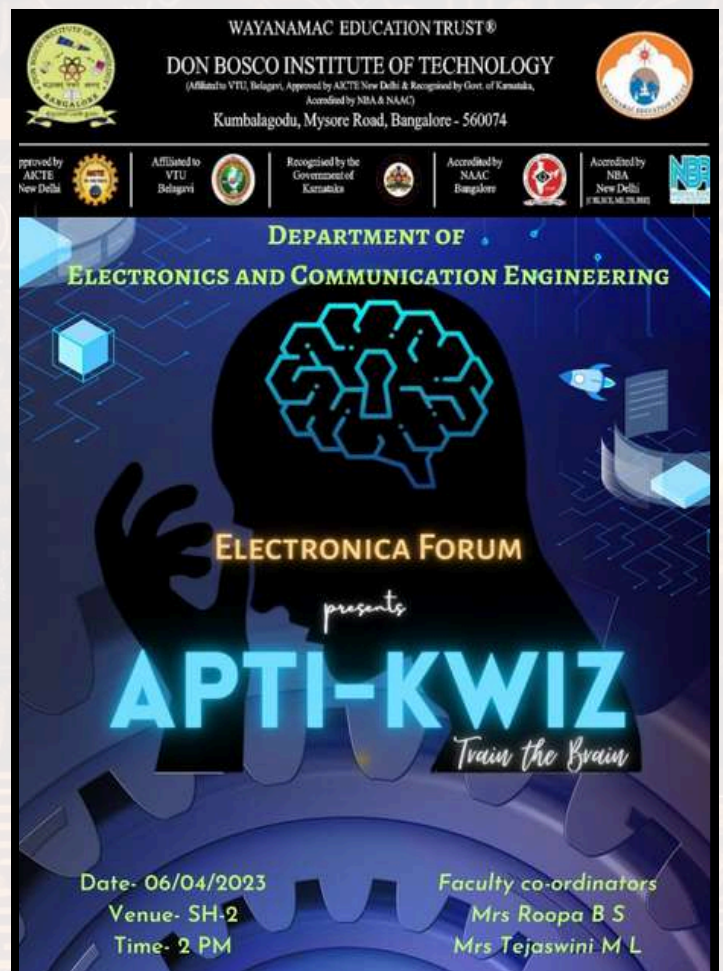
2023

APTIKWIZ BY ELECTRONICA FORUM

On April 6, 2023, the Electronica Forum hosted "AptiKwiz," a dynamic technical event aimed at challenging students in electronics and communication. Organized by enthusiastic student coordinators, the event featured a series of quizzes and problem-solving activities designed to enhance technical knowledge.

Under the guidance of faculty coordinators Dr. Roopa BS and Prof. Tejaswini ML, and with support from Dr. A.N. Maheshwarappa, the Head of the ECE Department, AptiKwiz attracted a diverse group of participants. The competition fostered critical thinking and teamwork as students engaged in rounds of challenging questions.

Overall, AptiKwiz was a great success, showcasing the commitment of the Electronica Forum to create a vibrant and innovative learning environment for ECE students, emphasizing the importance of hands-on learning in technology.



MAY

2023

INTERDEPARTMENT SPORTS

The ECE department at DBIT showcased exceptional teamwork and spirit by actively participating in various interdepartmental sports competitions. Faculty and students came together to compete across multiple events, demonstrating their athletic prowess and camaraderie.

The department's efforts paid off, as they emerged victorious in several competitions, clinching the overall championship in the girls' category. This achievement highlighted the dedication and skill of the female athletes in the department, reflecting their hard work and determination.

In the boys' category, the ECE team performed admirably, securing the runners-up position. Their strong performance across events exemplified the competitive spirit and resilience of the students.

These accomplishments not only fostered a sense of pride within the department but also strengthened the bonds among faculty and students. The success in these sports competitions underscores the importance of holistic development, encouraging participation in extracurricular activities alongside academic pursuits. Overall, the ECE department's achievements in the interdepartmental sports competitions were a testament to their commitment to excellence and teamwork.



JUNE

2023

INDUSTRIAL VISIT TO UR RAO SATELLITE CENTRE, ISRO, BANGALORE

On June 2, the ECE Department organized an insightful industrial visit for students to the UR Rao Satellite Centre (URSC) of ISRO in Bangalore. Coordinated by Prof. Lakshmi Devi TR and Dr. Sharanbasappa, the visit aimed to expose students to satellite technology and space development.

Students toured the facilities, observing various stages of satellite design and testing. They engaged with scientists and engineers, gaining insights into satellite communication, remote sensing, and advancements in space exploration.

This visit not only enhanced students' technical knowledge but also inspired them to consider careers in aerospace and related fields. Overall, the industrial visit to URSC was a valuable experience, connecting theoretical studies with real-world applications in space technology.



ACHIEVEMENTS

ACHS 1.1

SILVER MEDAL IN VTU YOUTH FESTIVAL

We are proud to announce that Likitha R (USN: 1DB21EC079) won 2nd prize in the debate category at the VTU Youth Festival 2023, held at Nagarjuna College of Engineering in Chickballapura.

Her outstanding performance highlighted her eloquence and critical thinking skills. This achievement reflects her dedication and the supportive environment of the ECE Department.

Congratulations, Likitha! Your success is an inspiration to your peers, and we look forward to more accomplishments from you in the future!



ACHS 1.2

FIRST PLACE IN NATIONAL LEVEL
IDEATHON

We are thrilled to announce that Sahana N (USN: 1DB21EC160), a talented student from the ECE department, has been an exceptional dancer since childhood, performing on over 1,000 stages and earning numerous accolades.

Recently, she clinched the first place in a college-level dancing competition held in Vismay 2023. Sahana's dedication and passion for dance shine through her performances, making her a source of inspiration for her peers.

Congratulations, Sahana, on this outstanding achievement! Your success not only highlights your talent but also the vibrant cultural spirit within our department.



ACH 1.3

OVERALL CHAMPIONSHIP IN
INTERDEPARTMENTAL SPORTS
COMPETITION

The ECE department at DBIT showcased exceptional teamwork in interdepartmental sports competitions, with faculty and students participating across various events. The girls' team won the overall championship, highlighting their dedication, while the boys' team secured the runners-up position.

These achievements fostered pride within the department and strengthened bonds among faculty and students. Overall, the ECE department's success underscores their commitment to excellence and the value of extracurricular activities.





REPRESENTING STATE TEAM IN NATIONALS

We are proud to highlight that Ms. Prarthana R, a student from the ECE department and the vice captain of DBIT's baseball and softball team, represented Karnataka in the Senior Softball Tournament held in Odisha.

Her involvement in this prestigious tournament not only showcases her exceptional athletic skills but also her leadership qualities as a vice captain. Prarthana's commitment to the sport reflects the dedication of ECE students beyond academics.


Congratulations, Prarthana, on this remarkable achievement! Your success is an inspiration to your peers and exemplifies the spirit of excellence within our department.


Don Bosco Institute of Technology, Bangalore
(NBA, AICTE & NAAC Accredited Institution)
Department of Physical Education & Sports

DBIT/PED/2022-23/31
02.02.2023


CONGRATULATIONS



Mr. Samrudh .M

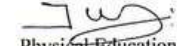


Ms. Sanidhya .P




Ms. Prarthana .R

Management, Principal Staff, and Students Congratulate **Mr. Samrudh .M**, 3rd Semester AI&DS, **Ms. Sanidhya .P**, 3rd Semester AI&ML & **Ms. Prarthana R**, 3rd Semester ECE, who has been selected to represent Karnataka State Softball team, to participate in the Senior National Softball Championship to be held at "Puri (Orissa)", from 5th to 9th February 2023. Conducted by Orissa Softball Association under the auspicious of Softball Association of India.



2/2/2023
Physical Education Director.
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Principal
PRINCIPAL
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