



FLASH

Electronics & Telecommunication Engineering
Departmental Newsletter

Volume 06, Issue 02, Feb. 2022 - July. 2022

Editors: Prof. Flavia Leitao Student Coordinator: Mr. Clarence Dias

Inside this issue

➤ Departmental Details



➤ Student's Corner

- Workshops/Seminars/In-house Trainings/ Competitions
- Beyond Syllabus Activity for FE
- Expert Talks
- Educational Tour
- Field Trips
- Technix- Project Competition
- Farewell
- Achievements & Felicitation

➤ Training & Placement

➤ Faculty Initiatives

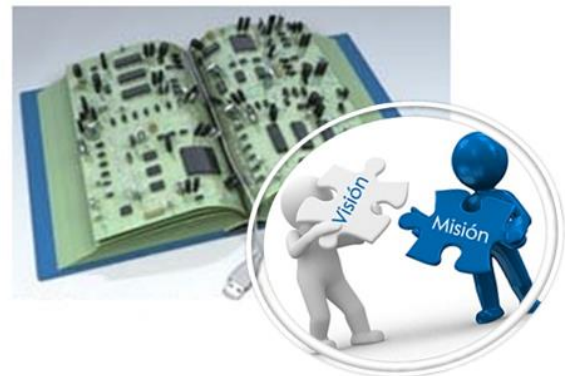
- Certifications/ Awards
- Conference/Journal Publications
- Workshops/ Expert talks Attended

➤ Community Outreach

➤ Upcoming Events

VISION

To evolve into a Holistic Learning Hub that moulds technologically proficient engineers in the field of Electronics and Telecommunication; contributing to the global industry and society with Integrity, Ethics and Professionalism as envisaged by Don Bosco



MISSION

- To impart education abreast with the fundamentals and advances in technology and transform students into globally accepted professionals
- To foster networking with all stakeholders for promoting technical innovation, research and entrepreneurship
- To encourage various skill enhancing activities and extra-curricular activities to instill high levels of work ethics and responsibility for a better society

DEPARTMENTAL DETAILS

The Department offers Bachelors of Electronics & Telecommunication Engineering programme, with total number of 60 seats in the 1st year and 12 seats for lateral entry into the second year. The Department has well qualified and experienced faculty in the areas of Electronics & Communication, VLSI, Embedded, Signal Processing, Automation and Control Engineering.

The department has been organizing various programs to enhance the Industry -Institute interaction through field visit and workshops. The students are also provided an opportunity to choose specialization electives to focus on their identified areas of interest.



Department has 11 fully functional Laboratories as listed below, along with the different Software.

- Signal Processing Laboratory
- EDA tools Laboratory
- e-Yantra Robotics Lab

➤ LABORATORIES

- Basic Electronics Engineering Laboratory
- Microwave Engineering Laboratory
- Analog Electronics Laboratory
- Digital Electronics and Instrumentation Laboratory
- Communication Engineering Laboratory
- Embedded system laboratory supported by Cypress
- Project laboratory
- Control and automation Laboratory

SOFTWARES

MATLAB
Xilinx 14 Version
OSCAD
MAGIC
LabVIEW
OCTAVE
POISARPro

KITS

8051 kits
ARM kits
PIC kits
PLC kits
LAN Trainer kits
OFC Kits
PSoC ARM Cortex
Kits

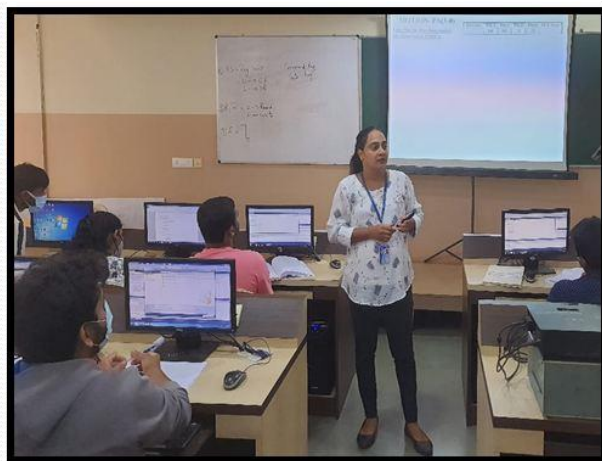
STUDENT'S CORNER

Workshops/Seminars/In-house Trainings/ Competitions

Two-day hands-on Workshop on - “e- Yantra Robotics”

The e-Yantra Robotics Faculty Team of Electronics & Telecommunication Department of DBCE organized a Two Day Workshop on Firebird V Robot for the students of SE ETC, on 25th & 26th of March 2022. The purpose of the Workshop was to spread education in Embedded systems and Robotics. The students were divided into 7 teams with 6 members in each team, thus training 42 students to work on the Firebird V Robot. The resource persons for the workshop were Prof. Flavia Leitao, Prof. Yeshudas Muttu, Prof. Deron Rodrigues and Prof. Mathilda Colaco.

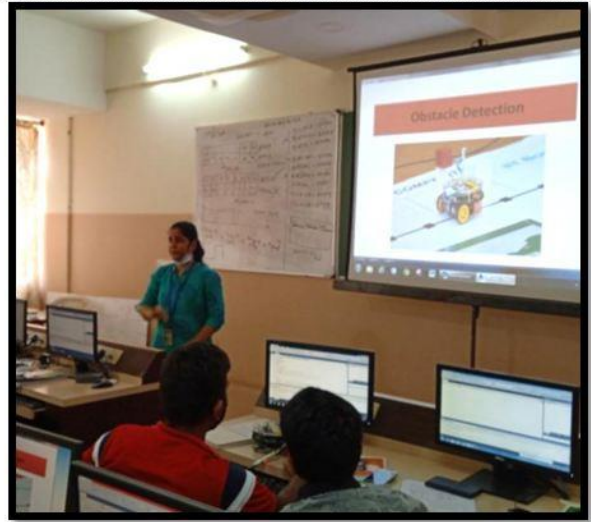
The first session was held on March 25, 2022 and was delivered by Prof. Yeshudas Muttu on Introduction to Robotics that included major components such as Sensors, Actuators, Control system, Intelligence, Power supply, Communication, Indicating Devices of a Robot and Introduction to Firebird V ATmega 2560. The students were also introduced to the various Input-Output Ports and Registers in ATmega 2560 and how they can be accessed. Subsequently, the students were given hands-on exposure in Embedded C programming for interfacing the Buzzer and Bar-graph LED using the Atmel-6 Studio.



The second session on the same day was conducted by Prof. Flavia Leitao on interfacing the LCD with the Firebird V Robot. The Students were briefed on the Boot Switch and LCD operation and were then asked to interface the LCD and the Boot Switch for a given application. This was followed by interfacing of the Motors. The students were briefed on the Motor Driver IC L293D and the different Motions and were then given a small task of how to interface the Motors and device an application to make the Robot move in a defined direction.

The next day began with Prof. Deron Rodrigues introducing to the participants the concepts of counters and timers in ATmega 2560 for calculating time delays for various applications.

Subsequently Pulse Width Modulation (PWM) was introduced followed by hands-on program to control the Velocity of the Motors. In the second session, the students were also taught analog sensor interfacing using Analog to Digital conversion (ADC). The session included overview on the sensors like Sharp IR sensors, Proximity Sensor, etc., interfaced to the different channels of ATmega2560 followed by ADC initialization and programming.



The afternoon session was delivered by Prof. Mathilda Colaco, included briefing about the sensors for object detection and white line sensing. Thereafter the students were guided to program the robot for object detection using the Sharp IR sensor and indicating whether it is near or far. This was followed by introduction to line follower algorithm with different conditions to be considered for the same. With the knowledge of ADC interfacing & line follower logic, the students were finally able to code to make the robot follow a line.



The Students had an amazing learning experience and showed great enthusiasm executing the given challenges. They suggested that such workshops should be conducted in future that would provide learning beyond curriculum.

Ground Station for Satellite Communication

Student satellite Club-Parikrama has successfully established the ground station at the Don Bosco College of Engineering. The developed Ground station could receive the data from the NOAA satellite on 9th April 22 at pass time 2.55 pm. The entire ground station setup is designed and developed in the campus by the active members of the club.

This project consists of Antenna, SDR, WXtoImg and SDR sharp software installed in the laptop in such way that is possible to visualize the each pass of the satellites exactly over the ground receiving station. WXtoImg is a free weather satellite decoding program which can decode the Automatic Picture Transmission (APT) signal received from low earth orbit satellites that is integrated with SDR sharp. The exact pass of the satellites is found from the heavens above app and the signal is received to the SDR sharp from antenna and SDR dongle connected to our personal computer. Once the pass is over, the received signal is plotted using decoding software which gave weather report. Antenna used here is handmade crossed Yagi antenna. The entire project is guided by Prof. Mohini Naik- PI of the satellite club. This project received motivation from PI & Head of ETC Department, Dr. Varsha Turkar.



Rev. Fr. Kinley D’cruz, Director and Dr. Neena S.P. Panandikar, Principal of Don Bosco College of Engineering, encouraged the ground station team to achieve more mile stones in the space technology.

Parikrama satellite club of the Don Bosco College of Engineering always takes the initiatives to explore in research, and innovation along with the all-round development of the students to make future ready.

BEYOND SYLLABUS ACTIVITY FOR FE ETC

The Department of Electronics and Telecommunication decided to allocate 2 hours every week for beyond syllabus activities for the first Year ETC students. To conduct this activity Prof. Flavia Leitao and Prof. Mohini Naik were identified as the two co-ordinators from the ETC Department, who would arrange for some activity which would help students to learn something beyond the syllabus.

In view of the above objective some of the activities planned for them were Expert Talks, Technical Paper reading and writing, Seminars on working of the CAR, Air Conditioner, Refrigerator, Router, Microwave Oven, Television and so on.

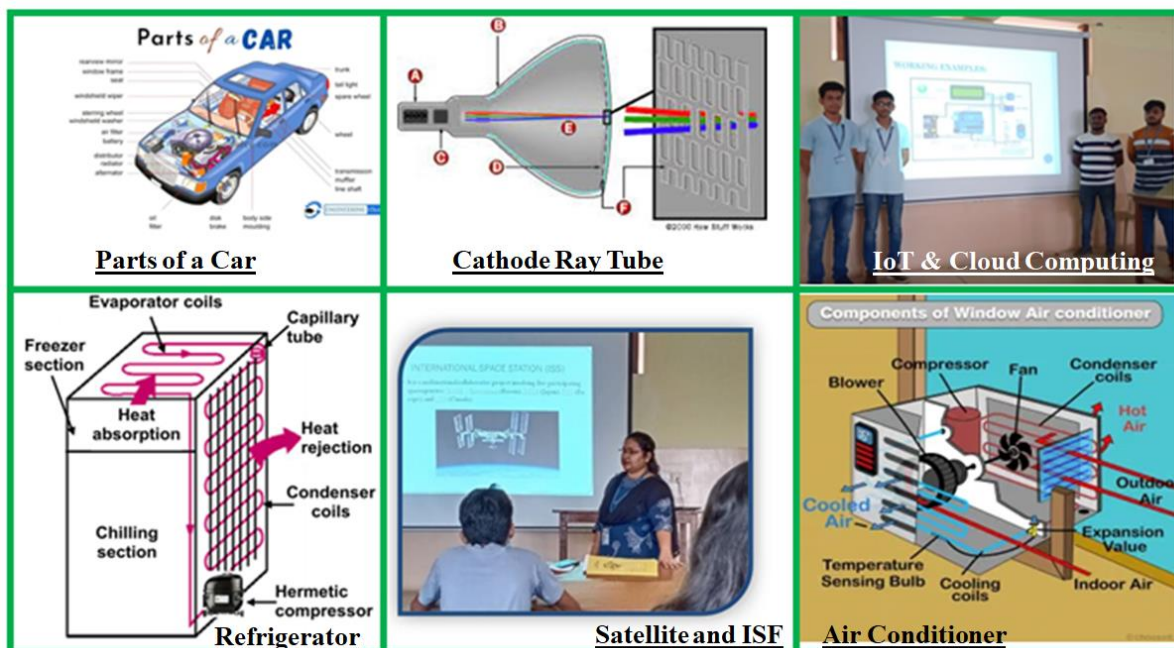
Under the Expert Talks, Prof. Mohini Naik conducted sessions on “Satellite and ISF” and “How to receive Satellite signals using SDR”.

Under the Technical paper Reading and Writing activity, Prof. Flavia Leitao gave them a detailed understanding of the different components of a Technical Paper like the Abstract, Introduction, Methodology, Analysis, Results, Conclusion, etc. Citation and References was also touched upon. Literature study which comes into picture while writing a Paper was also discussed.

A group of four students were selected to present a paper. The Paper selected was on IoT and Cloud computing, which they managed to do quite well.

The next Activity to follow was the Seminar activity, where the students were again put in groups of four to present a Seminar on working of the CAR, Air Conditioner, Refrigerator, Router, Microwave Oven, Television and so on.

Some of the students took great interest in understanding the in depth working of these appliances and enjoyed delivering their Seminar which also helped them to polish their presentation skills.



EXPERT TALKS

Expert Talk on “PLC, HMI and VFD”

The department of Electronics and Telecommunication (ETC) organized a talk on PLC, HMI and VFD for the final year students of ETC and Mechanical Engineering on The Resource person for the talk was Mr. Sandeep Mone from Autotech Technologies. The talk was to educate students on the importance of Automation skills required to join an Automation Industry. It was to boost the initiative taken first time by the institute to organize a Finishing school and make the students Industry ready. Around 50 students attended the talk and showed great interest.



EDUCATIONAL TOUR TO HYDERABAD

The IEEE student's branch of Don Bosco College of Engineering, Goa organized an educational tour to Hyderabad exclusively for IEEE Student members on from 17th – 23rd May 2022 under the guidance of IEEE Branch Counsellor, Prof. Yeshudas Muttu. 74 IEEE student members along with 3 Faculty members, Prof. Yeshudas Muttu, Prof. Deron Rodrigues & Prof. Steefni Ema Cruz visited Hyderabad – National Remote Sensing Centre (NRSC), ISRO; Regional Telecom Training Centre (RTTC), Bharat Sanchar Nigam Limited (BSNL).

The IEEE DBCE students visited the NRSC, ISRO in Hyderabad at 10.00 am. Mr. Ganesh and Mr. Shankar Prasad, Scientist Engineers from NRSC welcomed the students with warm greetings and led us through the day. At the entrance, were trophies and certificates that portrayed the success of the centre and also prototypes of some of the satellites launched. The students were then taken to the auditorium where they were shown videos depicting the history, evolution and success of NRSC, ISRO. The launch of different satellites was also highlighted. A small lecture was delivered by Mr. Shankar Prasad, speaking about the establishment of NRSC and the launch of Chandrayan-I, Chandrayan-II and Mars Orbiter Mission. This was followed by the details of Remote Sensing domain.



The students were then taken to see around the exhibits which had images captured by satellites, prototypes of satellites and much more. Towards the end the students asked questions which were answered by Mr. Prasad, therefore clearing the student's doubts. Ms. Anjima Rajesh – Vice-chair, IEEE DBCE SB delivered the vote of thanks – acknowledging them for their valuable time and the knowledge shared. The students left NRSC at 1.30 pm. Next, the IEEE team visited the RTTC – BSNL. Mr. Ramesh Chari welcomed them and educated them on Mobile Communication by explaining the different types of wired and

wireless media. He gave the students more in-depth information about optic fibers, including the pros and cons. He also spoke on how the generations progressed from 1G to 4G, and the upcoming 5G.

The students were then taken to the networking lab, where the next speaker, Mr. Prashant, greeted them on the topic of Networking in Broadband Connections.

IEEE DBCE Students visited L & T Metro Rail. Students were taken to the training hall and Mr. Prashant Kumar; Media relations corporate communication department told us the brief agenda for the day. Mrs. Anindita Sinha, Head – Corporate Communications welcomed all and spoke about communication, corporate communication, media relation, branding, etc. L & T Metro Rail has 57 stations and 3 intersections. Videos on “Overview of Hyderabad, Metro” and “Evolution of Transport in Hyderabad” were shown.



Next The Ramoji Film Industry gave the members an opportunity to expand their network as well as stay connected with the peers and learn a lot with respect to the technology used in today’s modern film making industry. The visit started off with the students being taken around the industry to see the various setups used. After the lunch there was a small activity conducted before the students got to go into a few enjoyable rides. It was a very wonderful event, where the students got to learn and have a great time.



Field Trip to Oil and Natural Gas Corporation (ONGC)

The Department of Electronics and Telecommunication organized a field trip for the Second Year ETC students to Oil and natural Gas corporation (ONGC) at Betul on the 27th of April 2022. The class was accompanied by Prof. Selvync Fernandes and Prof. Melba D'souza. The ONGC plant at Betul deals with fire fighting and safety measures required during search and extraction of oil. This proves to be of great importance as oil is highly flammable and safety precautions need to be taken while extracting it. For this purpose, various facilities for safety training are present at the Betul Plant.



The students were warmly welcomed by Mr. Alok Kumar, an officer at ONGC. He started by giving a brief introduction about ONGC and its operations. This was followed by the depiction of various sensors like heat sensors, smoke sensors, gas detectors etc, each one having a specific advantage for a specific application. The students were also taught about the sprinkler and spray system which is mainly used at places where there is high possibility of the fire spreading quickly.



After a small refreshment break, Mr. Alok Kumar and his team gave the students a very detailed hands-on experience of using a fire extinguisher to douse a fire. Further, the students were enlightened about the solar panel system at ONGC, Betul. Overall, the field trip was a very educational and invigorating experience for all the students that gave an extensive knowledge about Fire Safety and Solar Panels. The staff at ONGC was also very welcoming and supportive.

TECHNIX 2022– PROJECT COMPETITION

The Final Year Project Quality Assurance Committee, Department of Electronics & Telecommunication Engineering in association with Don Bosco Electronics and Telecommunication Society (DBEATS) organized Technix 2022 from May 30 to July 7, 2022. Technix is a project competition that has been organized by the ETC Department since 2016 with the primary aim to encourage budding engineers to exhibit their novel ideas and innovative projects. Our esteemed jury for Technix 2022 were Mr. Myron Rodrigues; Robotics Engineer at Street Drone Ltd, Oxford – U.K. and Mr. Sujay Shirodkar- Co-founder of Carbon-E.

The event commenced in the month of May with the submissions of abstract proposals which went on till June 7, 2022. More than 45 groups from all over India registered for the event.



The project competition had 2 categories: the Hardware category and software category. The competition saw entries from varied domains like Robotics, Embedded Systems, Signal Processing, Machine Learning, Artificial Intelligence, Biomedical Engineering, Communication Engineering etc. The results of the shortlisted abstracts were declared on June 11th, 2022.

The valedictory function of Technix 2022 was held on July 7, 2022. The dignitaries present were Director-DBCE, Rev Fr. Kinley D’cruz; Principal-DBCE, Dr. Neena Panandikar; Registrar- Dr. Kala Nayak, HOD of ETC Department and Convener of Technix, Dr. Varsha Turkar. The event was compered by the student coordinators Jefin John and Karen Mendes. The event commenced with the welcome address by Rev. Fr. Kinley D’Cruz. In his address he motivated the students to innovate and congratulated all the winners and participants.

Later, the Principal, Dr. Neena Panandikar addressed the gathering and appreciated the efforts put in by the students, coordinators and judges. She said “Winning is secondary. Let not your ideas die off”.

The Coordinator of Technix, Prof. Anisha Cotta presented the report of Technix 2022 and acknowledged the support, motivation and guidance received to make Technix 2022 a success.



The judges were introduced by Prof. Michelle Araujo and Prof. Deron Rodrigues.

Mr. Myron Rodrigues in his address said “It is good practice to participate in competitions as it helps us know the limitations of our own projects”.

Mr. Sujay Shirodkar advised students to pay more attention to the project presentation as it helps attract attention. Later, top 5 projects were presented from hardware and software category. And finally the first three Winners in the Hardware and Software Category were announced.



The event was concluded with the Vote of thanks by the Technix Coordinator Prof. Melba D’ Souza.

The event was coordinated by Prof. Anisha Cotta and Prof. Melba D’ Souza.

FAREWELL

To mark the end to a four year long splendid journey of engineering, the Electronics and Telecommunication (ETC) Engineering department at Don Bosco College of Engineering bid farewell to its final year students of batch 2018 – 2022, on July 08, 2022.

The function began at 3pm when the students walked in their best attire. TE ETC students welcomed them by giving them a graduation hat to wear. The theme for farewell was “Shine like the stars”. After the entry through the walkway, Mr. Ajinkya Naik (TE ETC), the host of the day extended a cordial welcome to all.

This was followed by prayer by Mr. Nigel D’Souza (TE ETC). The Director, Rev. Fr. Kinley D’cruz addressed the students, guiding them to face the challenges awaiting them. This was followed by words of wisdom by the Principal, Dr. Neena Panandikar. Head of the Department, Dr. Varsha Turkar then gave her message to the final years which was full of love and enlightenment. Dr. Vidhya D. S., class teacher of BE ETC expressed her greeting through a short speech.

Subsequently, the third issue of project idea book, ANKUR 2022 was then released at the hands of the Director, the Principal, and the Head of ETC Department. ANKUR 2022 is a collection of the seeds sown by the final year students of Batch 2022 in terms of their final year projects, providing a platform to the students to exhibit their novel ideas and serve as a benchmark for aspiring engineers to gain an insight into the latest developments in engineering and technology.



The Farewell Song was sung by SE ETC students, Mr. Nihal Naik and Mr. Clarence Dias. In the segment of Sher-o Shayari, Aapke Alfaaz, beautifully conceptualized and led by Prof. Flavia Leitao, students and faculty members expressed their hearts out.



Class Representative of BE Mr. Atish Naik Gaonkar shared his bittersweet memories and thanked the management, faculty, his batch mates and junior students. Some other students too expressed their love and gratitude towards their classmates, the management and faculty with whom they’d spent four long years of their lives.

As a goodbye gift to BE ETC, the juniors had made a video to go down the beautiful memory lane, which brought mixed emotions.

The faculty members Prof. Deron Rodrigues, Prof. Mathilda Colaco Prof. Yeshudas Muttu and Prof. Mohini Naik expressed their love towards the students by singing some lovely songs in dedication to all the 84 students.

In order to celebrate the lovely journey of four years a cake was cut. After the refreshments, the juniors from TE ETC organized fun and frolic segment comprising of dances and games to enlighten the mood of all. As a token of love and felicitation a memento was given to the students on their academic efforts coming to a successful fruition.

Ms. Saili Naik was declared the best outgoing student of the Department and was presented a trophy.



The ceremony filled with happy moments and memories to be cherished, concluded with a vote of thanks by Mr. Jefin Sam John (TE ETC). The entire event was coordinated by Dr. D. S. Vidhya and Prof. Deron Rodrigues, with the fruitful collaboration of all TE ETC Students.



STUDENT'S ACHIEVEMENTS & FELICITATION

- Mr. Atish Naik Gaonkar – IEEE Student branch member was a volunteer of IEEE Region 10 Symposium 2022 (Asia Pacific) hosted at VMCC, IIT Bombay from 1st – 3rd July 2022.
- Mr. Sayed Abul Fazal, successfully completed Nptel course in Business analytics and data mining Modeling using R, Data Analytics with Python, Data Science for Engineers, Enhancing Soft Skills and Personality, Programming, Data Structures And Algorithms Using Python,
- Ms. Jemimah Gonsalves and Mr. Lenny Vaz, successfully completed Nptel course in Business Analytics For Management Decision
- Mr. Clarence Dias and Ms. Diana Estibeiro, successfully completed Nptel course in Data Analytics with Python
- Ms. Kaveri Mundaragi, successfully completed Nptel course in Enhancing Soft Skills and Personality
- Ms. Britney Mascarenhas and Ms. Anrea Peixoto, successfully completed Nptel course in Ethical Hacking
- A number of students successfully completed Nptel course in Online Privacy
- Ms. Preksha Karpe, Ms. Rashee Tushar Gude, Mr. Clarence Dias and Ms. Diana Estibeiro, successfully completed Nptel course in Sensors and Actuators
- Ms. Manisha Gaonke, Ms. Anrea Peixoto, Mr. Jeremy Gilbert, Ms. Swati kudalkar, successfully completed Nptel course in Social Networks
- Ms. Kaveri Mundaragi successfully completed Nptel course in Soft Skill Development



NPTEL BELIEVERS STAR



NPTEL ENTHUSIASTS STAR

TRAINING AND PLACEMENTS

Placements

- Mr. Saiesh Naik placed in PSL
- Mr. Xavier David and Ms. Jyoti Kumari placed in Capgemini
- Mr. Xavier David, Ms. Jyoti Kumari, Ms. Rosann Godinho and Ms. Ayshwarya Karapurker placed in TCS
- Ms. Jyoti Kumari placed in Coditas
- Ms. Jyoti Kumari placed in OneShield Software
- Mr. Aaron Fernandes, Ms. Saili Naik, Mr. Shubham Kolamkar and Ms. Namrata Dessai placed in Tangentia
- Ms. Saili Naik and Mr. Vishwam Pai placed in HotelHub
- Ms. Jaitali Kunkalkar and Ms. Lyzen Barreto placed in Xenerex Healthcare
- Ms. Urviya Taker, Ms. Shradha Sawant and Mr. Alpesh Sawal placed in ClaySys Technologies
- Ms. Amreen Shaikh placed in Valuebound
- Mr. Alpesh Sawal, Mr. Ahmed Shah and Mr. Rajiv Baracho placed in Benson Marine
- Ms. Shradha Sawant placed in Metron Labs through Palle Technologies

The Project “Augmented Reality in Engineering Graphics”, won Second place in Software category for the project competition Technix 2022, held in DBCE on July 7, 2022



The Project “EduInfoGoa : Goa Education Institutions Information App”, won the Third place in Software Category for the project competition Technix 2022, held in DBCE on July 7, 2022



FACULTY INITIATIVES

CERTIFICATIONS/ AWARDS/ ACHIEVEMENTS

- Dr. Varsha Turkar was a part of Core Committee of IEEE Region 10 Symposium 2022 (Asia Pacific) hosted at VMCC, IIT Bombay from 1st – 3rd July 2022.



- Prof. Yeshudas Muttu was a part of Local Organizing Committee of IEEE Region 10 Symposium 2022 (Asia Pacific) hosted at VMCC, IIT Bombay from 1st – 3rd July 2022.



- Prof. Yeshudas Muttu, conducted a two day workshop on “LaTeX for Beginners”, for FE ETC students.



- Prof. Melba D’Souza, organized an awareness session for the students of Engineering on “India Women Network Student’s Chapter”, under Women’s cell of DBCE - DHRISHNI
- Organized Session on IWN students chapter for students of first year and Second year of DBCE on 9th June 2022



- Prof. Mohini Naik and Prof. Mathilda Colaco, organized a session on “Health, diet and nutrition”, on July 7, 2022, under Women’s cell of DBCE - DHRISHNI



- Prof. Anisha Cotta organized a Webinar on “How to plan for Start-up and legal and ethical steps”, on 28th June 2022, under IIC 4.0



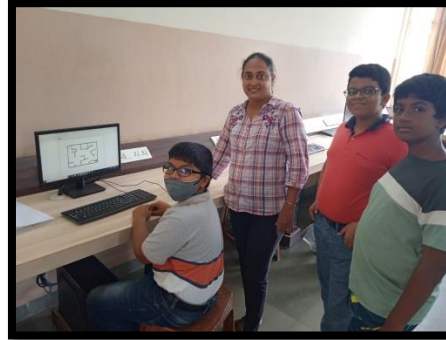
- Prof. Michelle Araujo organized a Webinar on “Business Model Canvas”, on 13th July 2022, under IIC 4.0



- Prof. Trima Fernandes organized a webinar on “Recent Trends in Immersive Technology”, organized under NDLI, on 25th June 2022



- Prof. Selvyn Fernandes was the resource person for the webinar on “Recent Trends in Immersive Technology”, organized under NDLI, on 25th June 2022
- Prof. Selvyn Fernandes was the coordinator of The Internal Institute Level Hackathon that was held on 23rd March 2022
- Prof. Flavia Leitao conducted a workshop in “Scratch – Animations”, for the Summer Camp Students on May 13th 2022.



CONFERENCE PAPER/ JOURNAL PUBLICATIONS

- Dr Varsha Turkar, published a paper titled, “Impact of G4U and 7-component Target Decomposition on POLSAR Image Semantic Segmentation,”, Advances in Space Research, ISSN 0273-1177, Elsevier
- Dr Varsha Turkar, published a paper titled, “RESLearn: Comprehensive Mobile Application for Remote Sensing Learning”, IGARSS 2022
- Dr Varsha Turkar, published a paper titled, “Generative-Network Based Multimedia Super-Resolution For Uav Remote Sensing”, IGARSS 2022
- Dr Varsha Turkar, Dr. Shreyas Simu and Prof. Priyanka Padiyar, published a paper titled, “Water Pollution Monitoring and Decision Support System”, 3rd International Conference of Immersing Technology, 27th to 29th May 2022

WORKSHOPS/SEMINARS/EXPERT TALKS ATTENDED

- Prof. Melba D’Souza attended a workshop on Fire Safety on 20 May 2022, which was organized by The FSAI student chapter of DBCE, Fatorda in association with FSAI Goa Chapter
- Prof. Flavia Leitao, Prof. Deron Rodrigues, Prof. Yeshudas Muttu, Prof. Mathilda Colaco and Prof. Mohini Naik, attended a NITTT Module 1 course on, “Orientation Towards Technical Education and Curriculum Aspects”, in March 2022.
- Prof. Mohini Naik, attended a NITTT Module 2 course on, “Professional Ethics & Sustainability”, in March 2022.

- Prof. Flavia Leitaó, Prof. Deron Rodrigues and Prof. Mathilda Colaco, attended a NITTT Module 3 course on, “Communication Skills, Modes & Knowledge Dissemination”, in July 2022.
- ETC Faculty members attended webinar on Recent trends in immersive technology on 25th June 2022 Organized by Don Bosco college of Engineering in association with NDLI

COMMUNITY OUTREACH

- Workshop on “Electrical & Electronics made easy”: IEEE Student Branch of Don Bosco College of Engineering, Goa organized a Workshop for school students on “Electrical & Electronics made easy” with one simple objective to, create a spark and interest in the young minds’ of this generation on 11th – 12th March, 2022.



UPCOMING EVENTS

- IEEE STEM Program for School kids, to be conducted in August 2022
- PARIKRAMA - Ground station development, to be conducted in August 2022
- IEEE Skill Development Workshop, to be conducted in September 2022
- Field Trip, to be organised for the students in September 2022
- Robotics workshop, to be conducted in October 2022
- E-Yantra workshop, to be conducted in November 2022
- TECHNOVA – Tech Fest to be organized by the department in November 2022