



FLASH

Electronics & Telecommunication Engineering
Departmental Newsletter

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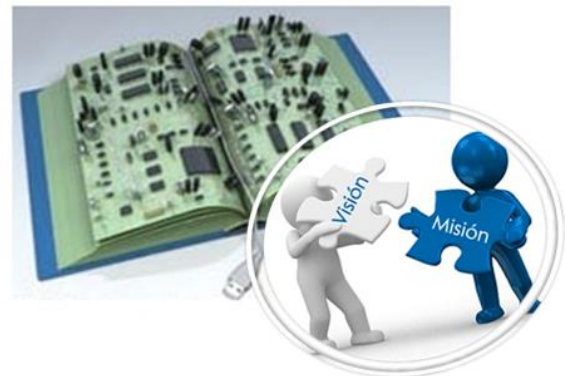
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VISION

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

R&D Knowledge sharing Initiative

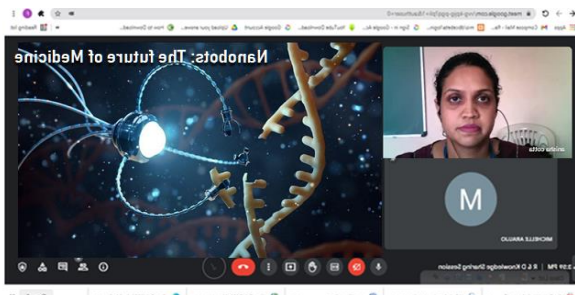
Knowledge Sharing Session – “Medical Applications for 3D printing” and “Nanobots”

The ETC Department organized its monthly Knowledge Sharing Session, under the R&D cell on 3rd November 2021 from 4:00 to 5:00 pm in the online mode through Goggle meet. The Knowledge Sharing Session initiative involves activities whose main motive is to update Faculty members with the latest trends in Technology and Research and to learn something beyond academics.

Prof. Samantha Cardoso spoke about the various medical applications of 3D printing such as bioprinting tissues and organs, customized implants and prostheses, Anatomical Models for Surgical Preparation and as teaching aids in healthcare industry. She further elaborated on Organ printing using 3D printing technology to produce cells and cell-laden biomaterials.



The process and the steps involved were explained. The challenges faced due to the need for vascularization was also discussed in depth. The role of 3D printed customized implants and prostheses in enhancing the comfort of the patient was also discussed. The use of 3D-printed models for surgical preparation was also covered. To conclude with she explained how simulating all surgical steps in advance using prototype models can help to foresee intra-operative complications.



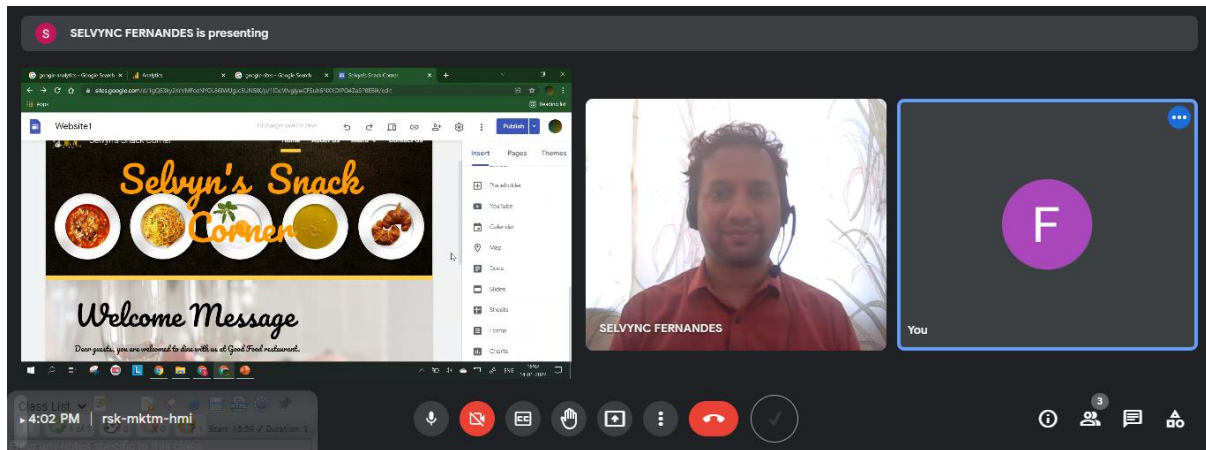
Prof. Anisha Cotta spoke on Nanobots: The future of medicine. She introduced the topic saying “As technology advances, things don’t always become bigger and better, objects also become smaller and faster.” She further listed the various types of Nanobots used in medicine. She elaborated on the applications of Nanobots in medicine.

She spoke extensively on the application of Nanobots in Haematology and in reducing the time of haemostasis. She explained the function of a respirocyte and how it may eventually have various application wherein RBC replacement may be considered. She elaborated on the scope of using Nanobota to cure cancer. Some of the techniques that she spoke upon for cancer treatment included the principle that Cancer cells can be considered at glucose hungry cells. Another another included swarm algorithms, DNA origami. She further stressed on some of the difficulties faced by Nanobots and the ways and means devised of overcoming them. She concluded her session by saying “The next Big Thing is really Small”.

The event was encouraged by R&D Chair Dr. Varsha Turkar and coordinated by Prof. Flavia Leitao.

Knowledge Sharing Session – “Build your own Website with Google”

The ETC Department organized its monthly Knowledge Sharing Session, under the R&D cell on 14th January 2022 from 2:30 to 3:30 pm in the online mode through Google Meet. The Knowledge Sharing Session initiative is conducted with a purpose to update Faculty members with the latest trends in Technology and Research. The session was taken up by Prof. Selvyn Fernandes, on the topic, “Build your own Website with Google”.



Prof. Selvyn started the hands on session to create a Website, which he named as “Selvyn’s Snack Corner”. He further showed how to add Headers, Footers and Navigation panes, Themes, Layouts and change Fonts to the website. He then focused on the Site content creation and keep related information together by nesting pages, which appear as a subtopic of another page. Prof. Selvyn also taught how to insert Logos, Favicon, Carousel and announcement banners on the website. He showed how to preview a new site before you publish it, and when you’re ready, how to publish it only to your organization or to the world. Lastly he spoke about Google Analytics which allows users to identify trends and patterns in how visitors engage with their websites. The event was encouraged by R&D Chair Dr. Varsha Turkar and coordinated by Prof. Flavia Leitao.

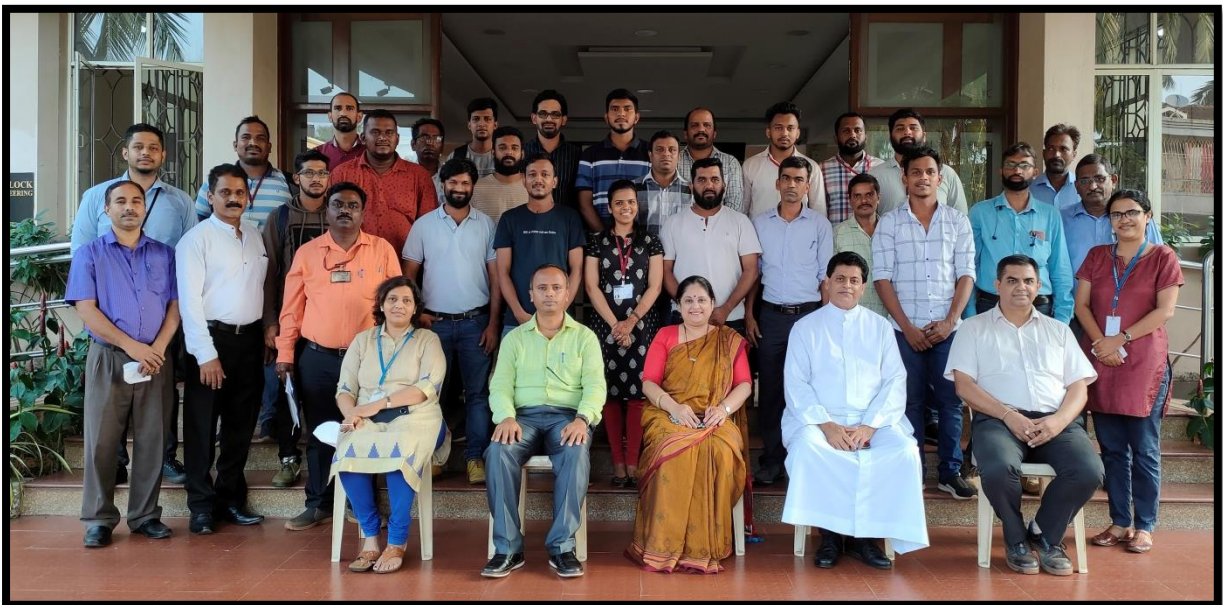


Corporate Training Program

Workshop on “Basics of Electrical”

A Two day workshop on “Basics of Electrical” was organized by the Department of Electronics and Telecommunication Engineering of Don Bosco College of Engineering on 15th & 17th of December 2021. The workshop was attended by 24 industry professionals from Chowgule and Company -Shipbuilding Division.

The first session on day 1 commenced with the session by Mr. Joseph Dias who gave a brief insight on “Electrical Safety at workplace”. Many practical sessions were conducted in which the participants were divided into 3 batches which were engaged by Mr. Joseph Dias, Mr. Roland Gomes, Mr. Jaiprakash Fadte.



These sessions were hands on experience of Electrical Wiring, usage of Multimeter, protective devices etc. The second day of the workshop commenced with a session on “Sensors” by Mr. Joseph Dias. He explained the various sensors used in Industry.

This was followed by practical sessions in which Mr. Joseph Dias, Mr. Roland Gomes, Mr. Jaiprakash Fadte covered the following topics: Generation of Electricity, choice of motors, Electrical Maintenance etc.

For the last session an exam was conducted for the participants and feedback was taken. A very positive feedback was given by the participants. The course coordinator was Prof. Kimberly Morais



DBCE celebrates Goa's 60 Years of Liberation

As we begin the Diamond jubilee year of Goa's Liberation, the government decided to host a year-long celebration to mark 60 years of liberation from Portuguese rule. As a part of this yearlong celebration, the ETC Department in collaboration with S&H Department of DBCE nfloated two competitions through which we could capture and appreciate the Legacy of Goa.

The first competition was the Collage making Competition themed as Goa in a Snapshot. Here the participants had to make a Digital Collage using not less than 10 images portraying various facets of Goa. The second competition was the Video making Competition, themed as Capture Goa's Rich Culture. Here the Participants had to make a video of not more than 3 min depicting Goan Culture. These competitions were floated in schools and colleges all across the state in the month of August and the kind of spirit seen in the participants were overwhelming.



The audience showed great enthusiasm for the event by dressing in Goan style. The organizing team did an amazing job in getting out the essence of the rich and diverse Culture and Heritage of Goa. The event was organized by the Prof. Flavia Leitao, Prof. Samantha Cardoso and Prof. Anisha Cotta from the ETC Department and Prof. Harison Cota, Prof. Steefni Cruz and Prof. Ulpa Waingankar, from the S&H Department, along with Dr. Varsha Turkar, Convener & HOD - ETC Dept., DBCE and Dr. Kala Nayak, Co-Convener, Registrar, HOD - S&H Dept., DBCE. The event was well received and enjoyed by all.



STUDENT'S CORNER

Workshops/Seminars/In-house Trainings/ Competitions

Orientation program on “Project Management and Rubrics”

The Final Year Project Quality Assurance Committee (FYPQAC), Department of ETC, DBCE, Goa, organised an orientation program on “Project Management and Rubrics” on September 03, 2021. The orientation was delivered by Project Coordinators, Prof. Anisha Cotta and Prof. Priyanka Padiyar and was attended by the Final Year Students, Department of Electronics and Telecommunication Engineering via online platform. The objectives of the orientation were to introduce the students to the entire project flow and the evaluation rubrics for the final year projects. The session also aimed at motivating the students to work in a team and enlightened them with the benefits of teamwork.



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National Level Coding Competition

IEEE Bombay Section Technical & Professional Activities Committee in association with IEEE DBCE – Goa, IEEE NIT – Raipur and IEEE S.B. Jain – Nagpur student Branches organized a National Level Coding Competition hosted on CodeChef platform on 4th September 2021. The industry oriented problem statements were taken from CodeChef team and framed by the organizing team.

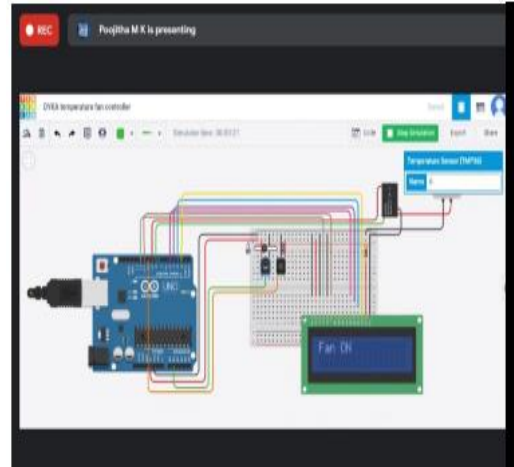
The competition received an overwhelming response of about 120+ participants from various institutes across the Nation. The winners of this competition will be awarded cash prizes from IEEE Bombay Section. The competition was coordinated by Vice-Chair of IEEE Bombay Section TPAC, Prof. Yeshudas Muttu. The student branch representatives for the same were Ms. Sheena Mashelkar – IEEE DBCE SB, Mr. Rushikesh Bodhe – IEEE SBJIT SB and Mr. Aman Kumar Dewangan – IEEE NITR SB.



Webinar on “Arduino for Beginners”

Sapientury, Bengaluru in association with IEEE DBCE Student Branch Women in Engineering Affinity Group organized a webinar on ‘Arduino for Beginners’ held on 30th September 2021 at 4.15pm via the Google Meet platform.

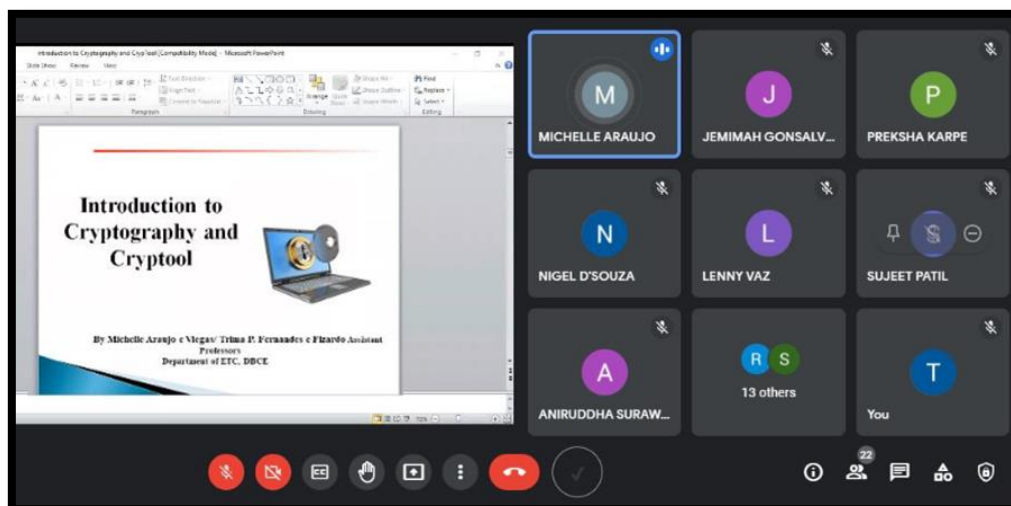
Ms. Poojitha M K, the President of Innovation & Entrepreneurship Development Cell (IEDC): Bangalore Institute of Technology, briefed the audience about the Arduino ecosystem and explained the importance of development boards and how Arduino, being an open-source platform, is diverse from the others. The speaker also conducted a simulation of the Arduino board on the TinkerCad software and encouraged the participants to take it up as well. Many Arduino-related project ideas were also shared through the presentation. The student co-ordinator for the event was Ms. Britney Mascarenhas, IEEE Student member from TE-ETC.



Webinar on “Introduction to Cryptography and CrypTool”

A webinar titled “Introduction to Cryptography and CrypTool” was conducted for third year Electronics and Telecommunication Engineering students in association with DBEATS on 9th October 2021. The webinar was delivered by Asst. Prof. Michelle Araujo e Viegas and Asst. Prof. Trima P. Fernandes e Fizardo.

Asst. Prof. Michelle Araujo e Viegas spoke about “Cryptography, Features of Cryptography, Symmetric Key Cryptography, Asymmetric Key Cryptography and Hash Functions”. Asst. Prof. Trima P. Fernandes e Fizardo briefed the students on “Attacks of Cryptography, introduced them to the CrypTool software-showing them various encryption and decryption techniques”. The students showed keen interest and enthusiasm and session concluded with a discussion on the topic.



IEEE DBCE SB hosts “IEEEExtreme 15.0”

The IEEE Student Branch of Don Bosco College of Engineering, Goa hosted the 24 hours coding competition-IEEEExtreme 15.0 from 23rd October 2021(5:30 am) to 24th October 2021(5:30am), which was proctored and well organized by the IEEE Student Branch counselor Prof. Yeshudas Muttu and technically assisted by Mr. Ignatius Dias.

IEEEExtreme 15.0 is a 24-hour World-wide online coding competition where various universities and colleges, of this esteemed community, which is IEEE, go on head-to-head in a friendly yet compelling and invigorating competition. The event received 5561 registrations from teams from all around the world, of which Don Bosco College of engineering had 13 teams, with 3 members each. The objective of this event was to encourage team building through communication, and problem-solving skills. The participants were challenged with a new problem statement every hour with 25 problem statements in total based on different concepts like arrays, graphs & trees, data structures, image processing with memory and run time constraints. It was also a very testing experience as the students had to sustain themselves for 24 hours as they kept tugging away which proved to be an amazing coding and social experience. The event was encouraged by the Director, Fr. Kinley D’Cruz, Principal Dr. Neena Panandikar & HOD-ETC, Dr. Varsha Turkar with necessary support by FiiRE.



Workshop on “e- Yantra Robotics”

The e-Yantra Robotics Faculty Team of ETC Department of DBCE organized a Two Day Workshop on Firebird V Robot for the students of TE ETC, on 29th & 30th of October 2021. The purpose of the Workshop was to spread education in Embedded systems and Robotics. The Workshop would also ensure better Final year projects in this area. The students were divided into 7 teams with 5 members in each team, thus training 35 students to work on the Firebird V Robot.



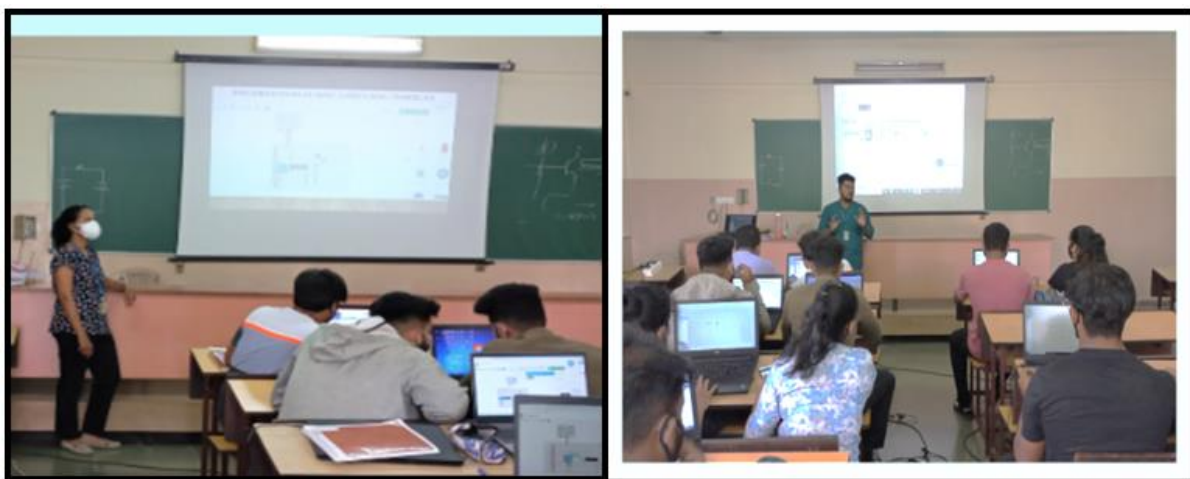
The first session was taken up by Prof. Yeshudas Muttu on Introduction to Robotics that included Major Components such as Sensors, Actuators, Control system, Intelligence, Power supply, Communication, Indicating Devices of a Robot and Introduction to Firebird V ATmega 2560. The second session was taken by Prof. Flavia Leitao on interfacing the LCD with the Firebird V Robot. This was followed by interfacing of the Motors, where they were taught 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. Prof. Deron Rodrigues started with introduction to counters and timers for calculating time, followed by PWM to control the Velocity of the Motors and analog sensor interfacing using ADC. Prof. Mathilda Colaco briefed 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, followed by the Line follower robot.



Workshop on “Circuit Simulation and Analysis using Proteus and TinkerCAD”

A one day workshop on “Circuit Simulation and Analysis using Proteus and TinkerCAD” was conducted for the SE-ETC students on 13th November 2021 under DBEATS Student’s Council, DBCE, Goa. The main objective of this workshop was to design, simulate and analyze electronic circuits using industry oriented software like Proteus and TinkerCAD.

Prof Yeshudas Muttu began the session by explaining the importance of software simulation and said “Software circuit implementation is a good practice before mounting it using hardware devices”. Prof. Melba D’souza explained about various libraries involved in TinkerCAD simulation platform. The workshop was conducted by Asst. Prof. Melba D’souza and Asst. Prof. Yeshudas Muttu.



DSYA Programme on “Career Scope & Life Skills”

The IEEE DBCE Student Branch in association with Directorate of Sports and Youth Affairs organised Skill and Knowledge Enhancement Programme on “Career Scope & Life Skills” on 17 December 2021 from 9.30 pm to 5:00 p.m. Dr. Celso Fernandes, Managing Director Nave Marg Foundation, Goa spoke about Finance Management and provided various insights on investing at an early age. The next session was by Ms. Sneha Desai, Director, ITAPPZ GLOBAL Technologies LLP, who spoke on Digital Marketing. Mr. D.S. Prashant, CEO, FiIRE, DBCE, gave a talk on Entrepreneurship as a career option. Mr. Mandar Borkar, Co-founder and CEO, Cognicue Analytics Private Limited spoke about various topics on Personality Development like equality, personality development, body language etc.



National Level Project Idea competition “ThinkTech2k21”

ThinkTech 2021- a National Level Project Idea competition was organized by the Final Year Project Quality Assurance Committee of ETC Dept. in association with DBEATS. This competition was organised for the first time with an objective to encourage students to exhibit their innovative ideas and showcase their technical skills not just in the state of Goa but all over the nation. The esteemed jury for the competition were Dr. Yogesh Agarwadkar-Director of InfiCorridor Solutions Pvt. Ltd. and Mr. Thejus Joseph, Chief Operating Officer (CEO) of FiiRE.

ThinkTech -2k21 commenced in the month of September with the submissions of abstract proposals which went on till November 6, 2021. It received an overwhelming response of more than 75 entries with around 48 groups from colleges outside the state of Goa. Some of the themes floated were Intelligent Systems, E- Learning, Energy Harvesting, Urbanization and Rural Development, Healthcare, Virtual Communities, Environmental Monitoring, Disaster Management and e- Business Technologies. The competition saw 2 categories: the mini project idea category and the academic project idea category.



The valedictory function of ThinkTech 2k21 was held on November 27, 2021. The dignitaries present were, the judges for ThinkTech 2k21 – Dr.Yogesh Agarwadkar, Director of InfiCorridor Solutions Pvt. Ltd. and Mr. Thejus Joseph, Chief Operating Officer, Forum for Innovation Incubation Research and Entrepreneurship (Fiire), Rev Fr. Kinley D’cruz-Director, DBCE ; Dr. Neena Panandikar – Principal-DBCE; Dr. Kala Nayak, Registrar and HOD of Science and Humanities Department-DBCE, Mr. D. S. Prashant -CEO of Fiire and Dr. Varsha Turkar, HOD of ETC.

DBEATS Coordinators Prof. Michelle Araujo e Viegas and Prof. Deron Rodrigues introduced the judges to the audience. The winners were greatly appreciated for their efforts.

The event was concluded with the Vote of thanks by the Coordinator of the event, Prof. Priyanka Padiyar. The event was coordinated by Prof. Anisha Cotta and Prof. Priyanka Padiyar.



EXPERT TALKS

Expert Talk on “Finance Management for Women”

On the occasion of 4th IEEE R9 PES WiP Day, a workshop on Finance Management for Women was organized by IEEE PES Bombay Chapter in association with IEEE Student Branch of DBCE (IEEE DBCE) and IEEE S.B. Jain Student Chapter. The speaker of the day was Ms. Garima Bajaj Saxena, 2nd Certified Management Accountant USA and Certified Financial Planner USA. The event was held virtually on 29 September 2021 at 5.00pm on the Webex Meetings platform

Ms. Garima Bajaj Saxena emphasized on the benefits of finance management at an early age. She also explained a few investment choices which include Equity Mutual Funds (EMFs) via Systematic Investment Plans (SIPs), FDs, Fixed Maturity Plans (FMPs), etc. Some important points to be considered while going for a start-up or business were also discussed. The IEEE DBCE Student Coordinators for the event were Ms. Britney Mascarenhas and Mr. Mandar Borkar.



Talk on “Overview of IEEE Regional Activities”

IEEE Bombay Section SIGHT group organized “Overview of Regional Activities” on 8th July, 2021. The host for the event was Mr. Nigel Dsouza introduced the speakers for the event. Prof. Lance Fung, Director Elect-2022, IEEE Region 10, began with a discussion on the IEEE Membership numbers across different regions of the world and how IEEE fared much better than other societies in terms of total number of memberships among Undergraduate and Graduate Students across various regions. This was followed by a brief overview of Region 10 Exe-Com 2021-2022 and a short discussion of various events happening in IEEE Region 10 like IEEE Region 10 Conference (TENCON) 2020 and IEEE Region 10 Symposium (TENSYP) 2021.

The next session was taken by Dr. Vijaylakshmi Biradar, past recipient, IEEE SIGHT & HAC Project, Hyderabad. She gave a brief overview about the various sessions conducted at KL University, Guntur, TCS Hyderabad, VITS Hyderabad, GPREC Anathapuram and various events held at Bangalore, Vishakhapatnam and Microsoft Hyderabad. She proceeded to explain about the various finding opportunities by R10.



This event was a joint collaboration of IEEE Bombay Section SIGHT Group with IEEE DBCE, IEEE IIT, and IEEE GEC – Goa Student Branches.

10th Installation of DBEATS Council

The ETC department of DBCE held their 10th Installation of the DBEATS Council on 22nd October at 3:30 pm in hybrid (online/offline) mode. The event began with a prayer recited by Ms. Melissa Solomon. The host for the event, Ms. Karen Mendes, warmly welcomed everyone for the function and invited the principal, Dr. Neena Panandikar to address the audience. In her welcome address, the Principal congratulated the council members and gave them her advice as to how to go about with their responsibilities. Following her speech, our director, reverend Fr. Kinley D’Cruz, enlightened everyone with his words of wisdom.



The DBEATS faculty coordinator, Prof. Deron Rodrigues, then introduced every member of the council. The members were welcomed with flower and badges. After the introduction; the members took the oath which was led by the newly appointed chairman, Mr Akash Lamani. The secretary of the DBEATS Council, Ms. Adhira Coutinho, introduced the Chief Guest, Prof. Shrikant Velankar, Chief Technology Officer at Vidyalankar Consultancy Services and Professor at the ETC Engineering Department at Vidyalankar Institute of Technology and asked him to address the gathering.

He briefly explained the ‘Road to being an Engineer’ and how education lays the foundation and base of engineering and focused on how the remaining knowledge comes from practical experience and our own experiences. He also stressed on how important it is in today’s world to learn some form of programming language or to increase our IT related knowledge.



He concluded his speech by saying “Interest and need to learn should never fade away”. The DBEATS faculty coordinator Prof. Michelle Araujo then appreciated the outgoing council members of the academic year 2020-21 for their efforts, teamwork and collaboration. Each of them was handed over with a certificate of appreciation.

IEEE DBCE Student Branch Celebrates “IEEE Day 2021”

On the 9th October 2021, the IEEE Student Branch of Don Bosco College of Engineering celebrated IEEE Day. The IEEE SB Counselor, Prof. Yeshudas Muttu began with the IEEE day celebrations by commemorating why IEEE day is celebrated. He stated “The anniversary of the 1884 meeting in Philadelphia where member of the American Institute of electrical engineers, one of IEEE’s 2 predecessor’s societies, gathered for the first time to share technical idea”. Later, the IEEE SB Adviser, Dr. Varsha Turkar compiled all her IEEE experiences into a nice short story and left the audience extremely inspired, proud and motivated. The IEEE committee members, Ms. Neha Joshi, Mr. Atish Naik Gaonkar and Ms. Sheena Mashelkar shared their journey through IEEE and the qualities that they developed being a part of IEEE DBCE SB. The Director, Rev. Fr. Kinley D’Cruz & the Principal addressed the IEEE Members and congratulated them for their achievements. The formal function was concluded with the cake cutting ceremony along with the executive committee members. The audience was later engaged with poster making on IEEE bodies and some fun games and social activities. To conclude the entire event, there was a prize distribution ceremony and Ms. Rosann Godinho gave the vote of thanks. The entire event was hosted by Mr. Kaiser Souza.

IEEE Student Branch of Don Bosco College of Engineering, Goa celebrated IEEE Day on 9th October 2021, participated and won second place in the IEEE Day 2021 Celebration Contest organized by the IEEE Bombay section.



IEEE DBCE SB Meet Up: A Networking Activity

To mark the celebration for attaining the IEEE Regional Exemplary Student Branch Award by R10 and 2nd place for the IEEE Day Celebration Contest by Bombay Section, The IEEE DBCE student branch conducted a Networking Activity on 27 November 2021 from 9:00 am to 5:00 pm at Susegad County, Quepem. This event was a day-out, exclusively for the members of IEEE DBCE SB. This event allowed everyone to expand their network as well as to stay connected with the fellow IEEE members and share ideas while enjoying with nature. The event was very well to know every IEEE member with fun-filled activities, giving it a cultural flavor. During the lunch break, the students were accompanied by the HOD of ETC Dept. – Dr. Varsha Turkar and Prof. Kimberly Morais.



To conclude, the IEEE DBCE SB Counselor, Prof. Yeshudas Muttu had a short meeting to make the student realize how every person is important for the smooth functioning of the student branch.

The activity ended at 5:00 pm with the SB chairperson, Neha Joshi proposing the Vote of Thanks, for their efforts to make the day a success.

STUDENT'S ACHIEVEMENTS & FELICITATION

- IEEE Student Branch of DBCE, Goa and Sinhgad Institute of Technology, Lonavala collaborated to participate in the Joint SB Leadership Contest organized by IEEE Bombay Section. This event was organized as a part of SMELT 2.0 under IEEE Region 10 SAC MDLT Fund 2021 on 31st August 2021. The proposed idea was “WWW – Web Winners Week” was awarded them the third place for the contest.



- For all the hard work put forth in organizing unique and quality of activities in the year 2020 during the Pandemic, IEEE Student Awards Committee and IEEE MGA Student Activities Committee declare IEEE Student Branch of DBCE, Goa, India as one of the winners of the IEEE Regional Exemplary Student Branch Award 2021. We congratulate the IEEE DBCE Team for this achievement.



- The project Non-Invasive Body Vitalities Checking System by Suyog Borkar, Miti Gaunekar, Adarsh Mishra and guided by Prof. Mathilda Colaco and Prof. Anisha Cotta received an Encouragement Prize at Ideathon (For Healthcare Technologies) held on 16th Dec. 2021



- Ms. Saili Ramchandra Naik, successfully completed NPTEL course in “Data Base Management System-Online”
- Ms. Anrea Peixoto, Ms. Preksha Pravin Karpe and Ms. Rashee Tushar Gude, successfully completed NPTEL course in “Entrepreneurship”
- Ms. Diana Joaquina estibeiro, Mr. Shankar suman and Mr. Sahil Nayak, successfully completed NPTEL course in “Introduction to internet of things”
- Ms. Diana Joaquina estibeiro and Ms. Anrea Peixoto, successfully completed NPTEL course in “Principles of Management”
- Ms. Jeremy, successfully completed NPTEL course in “Problem solving through Programming In C”
- Ms. Preksha Pravin Karpe and Ms. Britney Viendra Mascarenhas, successfully completed NPTEL course in “Solar Energy Engineering and Technology”
- Ms. Jeremy, successfully completed NPTEL course in “The Joy of Computing using Python”

TRAINING AND PLACEMENTS

Placements

- Mr. Ryan Rodrigues placed in BigDev
- Ms. Lata Pawar placed in Mindtree
- Mr. Xavier David, Ms. Jyoti Kumari, Ms. Rosann Godinho, Ms. Ayshwarya Karapurker and Ms. Lata Pawar placed in TCS
- Mr. Saiesh Naik placed in PSL
- Mr. Xavier David and Ms. Jyoti Kumari placed in Capgemini
- Ms. Jyoti Kumari placed in Coditas and OneShield Software

FACULTY INITIATIVES

CERTIFICATIONS/ AWARDS/ ACHIEVEMENTS

- Dr. Varsha Turkar was the WIE chair for IEEE India Geoscience and Remote Sensing Symposium 2021 (InGARSS) which was held On 6-10 Dec. 2021.
- Delivered Guest Lecture on “Application of Machine Learning in Remote Sensing”, organised by Gandhi Engineering College, Bhubaneswar on 4 Sept. 2021
- Delivered Guest Lecture on “Introduction to Microwave Remote Sensing”, organised by IEEE SB, Yashwantrao Chavan College of Engineering, Nagpur, India on 29 September 2021
- Prof. Kimberly Morais has successfully submitted 5 circuit simulations under the project of FOSSEE undertaken with eSim for Circuit Simulation through collaborative contribution. This project allows people to design circuits using eSim, and offers them to the community.
- With this achievement the college has attained a national ranking of 12



- Prof. Yeshudas Muttu has been appointed as the IEEE Day 2021 Ambassador. So, as a representative, the committee for the same expects all the IEEE student branches to conduct certain events as a part of the IEEE Day Celebration.



- Prof. Mathilda Colaco, successfully completed the NPTEL course in, “Signal Processing for mm Wave communication for 5G and beyond”, with an Elite certification of 64%



CONFERENCE PAPER/ JOURNAL PUBLICATIONS

- Prof. Samantha Cardoso, published a paper titled, “Prediction of Hypertension using Machine Learning”, IBSSC (IEEE Bombay Section Signature Conference) 2021, Nov
- Dr. Vidhya D.S. and Prof. Selvyn Fernandes, published a paper titled, “Designing a Prototype of Automated Fabric Cutter”, IBSSC (IEEE Bombay Section Signature Conference) 2021, Nov
- Prof. Anisha Cotta, published a paper titled, “Prediction of Hypertension using Machine Learning”, IBSSC (IEEE Bombay Section Signature Conference) 2021, Nov
- Prof. Anisha Cotta and Prof. Mathilda Colaco, published a paper titled, “Non-invasive Body Vitalities Checking System”, IBSSC (IEEE Bombay Section Signature Conference) 2021, Nov
- Prof. Samantha Cardoso, published a paper titled, “Prediction of Hypertension using Machine Learning”, IBSSC (IEEE Bombay Section Signature Conference) 2021, Nov
- Prof. Melba D’Souza and Prof. Deron Rodrigues, published a paper titled, “Unmanned Aquatic Multi-Functional Robot”, IBSSC (IEEE Bombay Section Signature Conference) 2021, Nov
- Prof. Flavia Leitao, Prof. Selvyn Fernandes and Priyanka Padiyar, published a paper titled, “Augmented Reality based Online Shopping”, IBSSC (IEEE Bombay Section Signature Conference) 2021, Nov

- Prof. Yeshudas Muttu and Prof. Flavia Leitao, published a paper titled, “Design and Implementation of Library Management Robotic System”, IBSSC (IEEE Bombay Section Signature Conference) 2021, Nov
- Paper titled “Predicting Hypertension from Ambulatory Blood Pressure Monitor using Machine Learning” by Prof. Anisha Cotta and Prof. Samantha Cardoso was accepted for presentation at International Conference on Electrical, Computer, Communications, and Mechatronics Engineering (ICECCME)- Mauritius.

WORKSHOPS/SEMINARS/EXPERT TALKS ATTENDED

- Prof. Melba D’Souza attended FDP STTP on “Global Navigation satellite systems” from 26th to 30th July organized by Indian institute of Information Technology, Design and manufacturing, Kurnool.
- Prof. Flavia Leitao and Dr. D.S Vidhya attended a 6 days AICTE- ISTE sponsored Online Induction/Refresher Programme on "ELECTRONIC CIRCUITS SIMULATION AND PCB DESIGN" held from 14th January to 20th January 2022
- Dr. D.S Vidhya attended ATAL FDP on “Advance Robotics and Control” from 24th August to 28th August 2021 organized by UIT, RGPV, University, Bhopal
- Dr. D.S Vidhya attended ATAL FDP on "ROBOTICS" from 6th to 10th September 2021 organized by Government Women's Polytechnic College.

UPCOMING EVENTS

- e-Yantra Robotics Workshop for SE-ETC, to be conducted in March 2022
- FPGA Workshop for TE-ETC, to be conducted in March 2022
- IEEE SB STEM Event, to be conducted in April 2022
- TECHNOVA (DBEATS), to be conducted in April 2022
- e-Sim workshop (DBEATS), to be conducted in May 2022
- Technix- Project Exhibition, to be conducted in June 2022