



Connections

Quarterly Newsletter for Institute's Friends, Patrons, Mentors and Students August - October, 2020 Vol 10 - Issue 1

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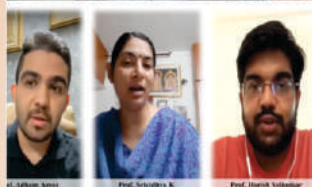
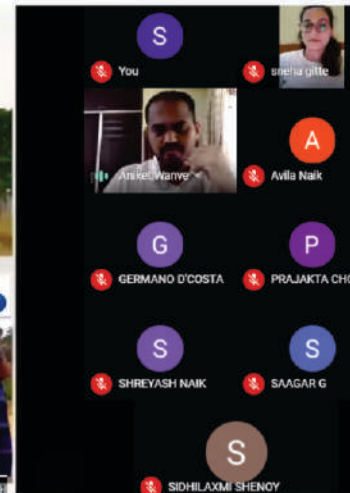
Training and Placement



AMCA Certification with Fan Efficiency Grading (FEG)

Blowtech's FBD & BAT series have achieved highest efficiency in its class

Work Opportunities



NEWS IN GENERAL

Independence Day 2020

Don Bosco college of Engineering celebrated the 74th Independence Day in the college premises on August 15, 2020. This ceremony started in the presence of the Rector - Rev. Fr. Paul D'Souza, who unfurled the National Flag.



All the staff members of Don Bosco college of Engineering sang the National Anthem and showed their respect to the national flag and to the whole nation. The ceremony was held while maintaining all the rules & regulations of the COVID-19 pandemic.

Director - Rev. Fr. Kinley D'Cruz and Principal - Dr. Neena Panandikar welcomed the teaching as well as non-teaching staff. The function was headed by Dr. Avertano Barretto, Director of Physical Education & Sports, Don Bosco college of Engineering.

Bootcamp 2020 on Innovation, Creativity and Startups

The Entrepreneurship-Cell (E-cell) and Institution's Innovation Cell (IIC) along with Goa State Innovation Council (GSInC) organized Bootcamp 2020 on Innovation, Creativity and Startups for students of Don Bosco College of Engineering. Google meet webinar was held on October 30, 2020 from 2:00 P.M. to 4:30 P.M.

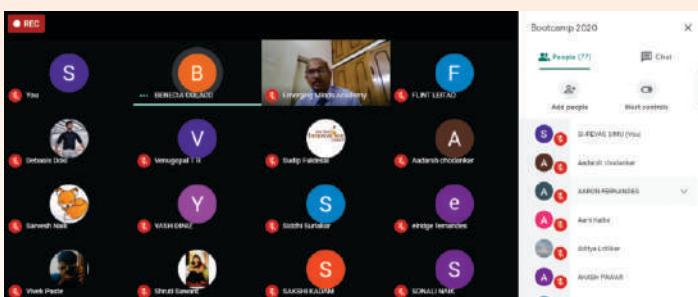
The first resource person for the webinar was Mr. Sudip Faldesai, Project Officer from GSInC. He spoke

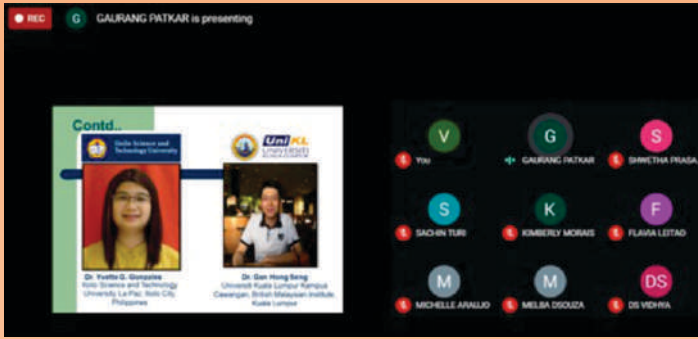
about various schemes and grants that are available for students for innovative projects. He also spoke about facilities available at prototyping lab in DBCE and Virtual Idea Register portal available on GSInC website to register innovative ideas and get a grant for patent. The second resource person was a renowned TEDx speaker, Mr. Abhay Valsangkar. Mr. Abhay spoke about 3 ingredients of success and shared his life experiences in building a Startup Alterego. He engaged students with interesting questions, ideas and life hacks to build a successful career.

The third session was addressed by two speakers Mr. Debasis Doki and Mr. Johon Srivastava from AJ Defense System, a defence based Startup. The speakers who recently graduated from Jain University spoke about the various startups they own since second year of engineering college and how they came up with AJ Defense Systems. They motivated students to find a problem and then try to solve it with their creative ideas. They spoke about their startup failures and told the students not to get disappointed if things don't take shape and keep working hard till they achieve their goals. Mr. Sushant Surlakar from Emerging Minds Academy was the next speaker who spoke about the process of starting a startup. He spoke about the whole process and its intricacies of creating a startup company. The final speaker for the event was Mr. Venugopal TR, incubation manager at Forum for Innovation Incubation Research and Entrepreneurship (FiiRE) who spoke about importance of incubation and supporting schemes which are available for budding students to start their journey of owning a startup company with FiiRE. Students posed a lot of questions to the speakers and got all their doubts cleared. The session ended with Dr. Shreyas Simu thanking all the speakers for sharing their experience, knowledge and time for the event. He also thanked E-cell members, IIC members, TPO- Ms. Avila Naik and Principal -Dr. Neena Panandikar for their help and support in making this event a grand success.

Seminar on “Writing effective research proposal”

The Institute Innovation cell and Research & Development cell jointly organized Seminar on





October 31, 2020 on “Writing effective research proposal”. The resource person was Dr. Gaurang S Patkar, Associate Professor and Head of Computer Engineering Department. The primary aim of organizing this seminar was to familiarize the participants on how to write effective research proposals based on the requirements of different funding agencies. The program was aimed to promote research among the faculty members. The session started at 4.00 pm on “Writing Effective Research Proposals for Funding Agencies” delivered by Dr. Gaurang. During the session he explained about the importance of funding and challenges in the process of acquiring grants for sponsored research. He also explained about list of funding agencies, selection of funding agency, writing an effective proposal, salient points to remember when writing a proposal. The topic was discussed with a sample exercise for the effective grant proposal to various funding schemes including bilateral projects.

Alumni Achievements

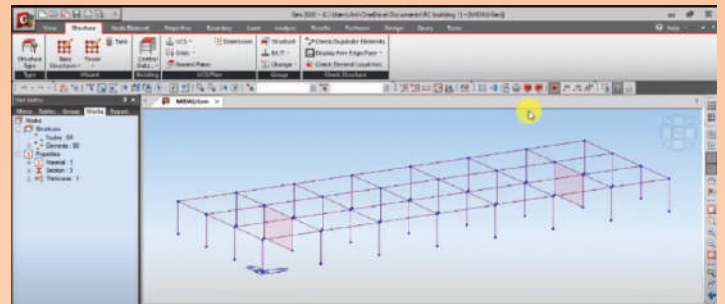
Hearty Congratulations to Preeti Jagadev Alumna, Batch 2015 from Electronics & Telecommunication Engineering. A proud moment to celebrate the achievement at International level. The International Society of Optics and Photonics USA, has released its planner for the year 2021. It highlights 25 women scientists from around the world, who are at the forefront in the field of optics and are making extraordinary discoveries. Preeti Jagadev is one amongst these 25 women scientists and the only Indian to be selected among others.



DEPARTMENT OF CIVIL ENGINEERING

Online MIDAS Gen Training

Three days hands-on online MIDAS GEN training was conducted for B.E. civil students of 2019-20 batch from August 12- 14, 2020. The Resource person for the training was Prof. B.R. Anirudha, Civil Engineering Department, Don Bosco College of Engineering. A total of 24 students joined virtually for the online training.

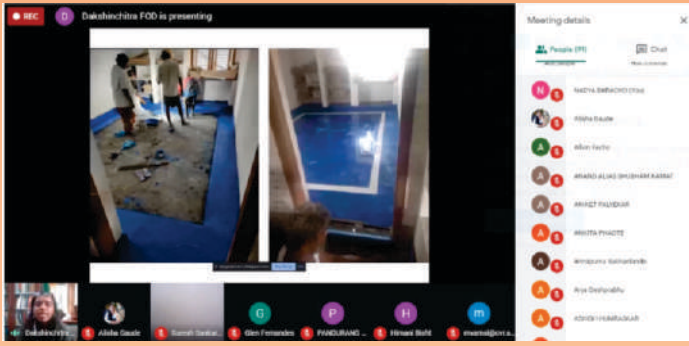


MIDAS GEN is a Windows-based, general-purpose structural analysis and optimal design system. The intuitive user interface, contemporary computer graphics and substantially fast solver are some of the highlights of this software. The user-oriented input/output features and significant analysis capabilities enable engineering students to readily undertake structural analysis and design for even complex and large structures. In addition, MIDAS GEN provides design capabilities using latest Indian standards leading to an optimal design solution.

The topics covered during the training were modeling and analysis of 2-D beam, rigid jointed frame and pin jointed plane frames. Also, modeling and analysis of a 12 storey building with gravity as well as seismic and wind loading was covered in these online sessions

Webinar Series I On Heritage Restoration and Conservation Techniques

The department of Civil Engineering conducted a webinar series on Heritage Restoration and Conservation between August 29- September 26, 2020. The co-ordinators of this webinar were Asst. Prof. Jeffrey Valadares and Asst. Prof. Nadya



Baracho. Over 300 participants registered for the webinars. The participants were from India as well as abroad.

The first lecture of the series was delivered by Prof. Jorge Mascarenhas from University of Tomar on August 29, 2020. His lecture was on Rehabilitation of Old Yield Buildings in Urban Areas. He spoke on the various types of load bearing structures in Portugal, the techniques of construction and showed how the buildings were rehabilitated to withstand earthquakes.

The second lecture of the series was delivered by Arch. Kushagra Keshav, Co-founder and Principal Architect at Studio Story Board, on September 5, 2020. He delivered a lecture on Traditional Construction Techniques in Load Bearing Construction. Arch. Kushagra explained about the benefits of using lime, instead of cement, in plaster. He presented one of his projects in Maharashtra where local material such as Granite were used.

The third lecture of the series was delivered by Arch. Shivali Gupta, Co-founder and Principal Architect at Studio Story Board, on September 12, 2020. She delivered a lecture on Traditional Wood Joinery Systems. Arch. Shivali presented the different types of joints used in stone and wood structures.

The fourth lecture was conducted on September 19, 2020 and was delivered by Arch. Ketak Nachinolkar, Conservation Architect based in Goa. Arch. Ketak elucidated about the conservation of a lot of old Churches and Temples in Goa.

The fifth lecture was conducted on September 26, 2020 and was delivered by Arch. Thirupurasundari Sevel, founder of Nam Veedu Nam Oor and Nam Kadhai, Tamil Nadu. Arch. Sevel had an interactive

session with the participants on the topic Understanding Traditional Techniques – Oxide Floorings.

Virtual Installation Ceremony of the Civil Engineering Student Association (CESA)

The department of Civil engineering had organized the virtual installation ceremony of the Civil Engineering Students Association (CESA) on September 26.

The welcome address was delivered by the outgoing Chairman Mr. Godwin Fernandes which was followed by an inspiring address by Dr. Neena Panandikar and Rev. Fr. Kinley D'Cruz.

Administering of the oath was carried out by Professor Kaushik Pai Fondekar , Nikhil Chinchwade on behalf of the new committee took the oath followed by the introduction of the Chief guest and speaker for the day by Dr. Shwetha Prassanna (Head of department-Civil engineering)

Dr. R Shivshankar (Professor at the National Institute of Technology Karnataka, Suratkal) in his address, briefed the students upon the importance of Civil engineering and modern constructions. He also brought to light pivotal aspects pertaining to Geotechnical engineering encouraging students to participate actively.

And finally Mr. Nikhil Chinchwade placed his word of thanks on record as the newly elected Chairperson of CESA.

DEPARTMENT OF MECHANICAL ENGINEERING

Two Days Webinar on Introduction to 3D printing

The Department of Mechanical Engineering organized 2 days webinar on “Introduction to 3D printing” on August 7-8, 2020 The resource persons were Dr. Raghavendra Krishna - Associate Professor, Jyothy Institute of Technology Bengaluru, Prof. Ajit Salunke- Associate Professor and Head, Department

of Mechanical Engineering, Don Bosco College of Engineering, Goa, Dr. Ganesh Chate - Assistant Professor, KLS Gogte Institute of technology, Belgavi, Mr. Ryan Vaz. The webinar was attended by academicians, industry professionals and students from engineering, pharmacy, dental and medical fields. The event began with the message from the Institute Director -Rev. Fr. Kinley D'Cruz and Principal-Dr. Neena Panandikar.

Dr. Raghavendra Krishna delivered a session on introduction to 3D printing and its relevance to industry 4.0. Mr. Ryan Vaz gave a detailed description about working of 3d printing in industry. Dr. Ganesh Chate explained in detail about optimization of process parameters of 3D printing and the importance as well as advantage of using design of experiment for 3D printing technology. Dr. Raghavendra Krishna briefed on the various application of 3D printing in health care industry and the various technologies and materials that are used in the medical field was explained. Prof Ajit Salunke focused on application of 3D printing in pharmaceutical industry and bio printing. The final session of the webinar was delivered by Dr. Ganesh Chate on rapid tooling. He explained the process of rapid tooling using the example of sand casting. He highlighted advantages of rapid tooling in manufacturing industry.

The webinar was well attended and the webinar was coordinated by Prof. Manjunath Narwate, Prof. Gaurish Samant and Prof. Achintya Kambli.

Installation of Chapter Working Committee of ISHRAE DBCE Students Chapter 2020-21

The Mechanical Department in association with ISHRAE Goa Chapter organized the installation of Chapter Working Committee of ISHRAE (Indian Society of Heating refrigeration and Air Conditioning Engineers) DBCE Students Chapter on September 12, 2020. The event was hosted on the Google Meet platform. The event was hosted and coordinated by Prof. Tanay Rege and Prof. Achintya Kambli while the External Dignitaries, Staff and Student members joined in remotely from the comfort and safety of their workplaces and homes.



The event was graced by Dr. R Saravanan, VP Communication, ISHRAE Headquarter and Professor, Anna University, as the Chief Guest. The Guest of Honor for the event was Mr. Devanand Patekar, President ISHRAE Goa Chapter. Director of DBCE Rev. Fr. Kinley D'Cruz, Principal Dr. Neena Panandikar, Head of Mechanical Department Prof. Ajit Salunke and Prof Brian Soares, Students Chair of ISHRAE Goa Chapter were the other dignitaries present.

The event started with Mr. Rajay Naik giving a brief report of the activities conducted by ISHRAE DBCE Students Chapter for the year of 2019-20. The Head of the Department, Prof Ajit Salunke, addressed the gathering and briefed the gathering about upcoming activities planned during the year. Dr Neena Panandikar and Rev. Fr. Kinley D'Cruz thanked ISHRAE for active engagement with Institutes and Students towards bridging Institute-Industry Gap. Mr Devanand Paterkar, the Guest of Honour, highlighted the growth of HVAC Industry in India while emphasizing the various career prospects it presents to aspiring HVAC engineers.

Prof. Brian Soares, Students Chair, ISHARE Goa Chapter administered the oath to the newly elected student members. The student Chapter working committee comprises of Mr. Vivian Viegas – President, Mr. Rajay Naik – President Elect, Mr. Allson Dias – Secretary, Ms. Benecia Colaco – Treasurer and CWC members, Ms. Prithvi Amonkar and Mr Ruchil Nagzarkar.

The Chief Guest of the event, Dr. R Saravanan addressed the gathering. He congratulated the newly installed committee members and wished them well. He then delivered a talk on overview of HVAC and

Refrigeration systems. The talk was well received and was followed by an interactive session.

The installation concluded with a vote of thanks proposed by Mr Vivian Viegas, President of the newly elected ISHRAE DBCE Students Chapter Committee. The event saw participation from students of DBCE and other colleges of Goa.

Webinar on Cryogenics – Space Applications

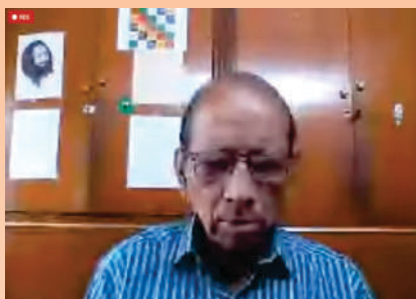
The DBCE ISHRAE students Chapter organized a webinar on “Cryogenics & Space Applications” on the occasion of Engineer's Day on September 15, 2020.

The event was hosted on the Google Meet platform from 10.00 AM to 12.30 pm. There were a total of 110 participants. Industry professionals, Academician and Mechanical Engineering students attended the webinar. The event was hosted and coordinated by Prof. Sharad Shanbhag and Prof. Mayur Shetti while the External Dignitaries and Staff joined in remotely from the comfort and safety of their workplaces and homes. The resource person for the talk was Dr. S. Kasthriengan, Retired Professor, Centre for Cryogenics, Indian Institute of Science, Bangalore.

The event was initiated by Prof. Mayur Shetti who welcomed the participants and gave a brief introduction about Dr. S. Kasthriengan.

Dr. S. Kasthriengan started his lecture by giving a brief introduction to cryogenics, current scenario and trends of Indian research and development in cryogenics. He spoke about various gas Liquefaction cycles, cryo – coolers. The lecture stressed more on space applications of cryogenics. The participants learnt about Cryogenic engine; cooling of satellite, space simulation etc. The lecture was concluded by short videos on applications of cryogenics.

At the end of the talk the session was open for



questions from participants. The Head of the Department, Prof. Ajit Salunke, thanked the resource person and participants. Dr. Neena Panandikar thanked the resource person and appreciated the efforts of the faculty. Mr Devanand Paterkar, President ISHRAE Goa Chapter addressed the gathering and spoke about the importance of cryogenics in curriculum. Mr. Milind Sardesai, CWC member, ISHRAE Goa Chapter said that more programs on Cryogenics should be conducted.

The webinar concluded with motivational words from Dr. S. Kasthriengan regarding need of skilled Engineer's in Cryogenics domain.

Virtual Installation of 9th Mesh Council 2020-2021

The virtual inaugural ceremony of the Mechanical Engineering Students Hub (MESH) for the year 2020-2021 was held on October 3, 2020. The Chief Guest for the function was Mr. Ranjan Sridharan, Manager, HTC- Passive Safety Lab, ARAI Pune. Also present were Dr. Neena Panandikar (Principal) and Prof. Ajit Salunke (HOD Mechanical Engineering Department).

Mr. Ranjan Sridharan (Chief guest) gave a brief overview of ARAI Pune and the research and job opportunities available in the organisation. It was followed by a session on Star ratings in Cars which emphasized on the safety levels followed in designing an automobile.. Dr. Neena Panandikar in her message lauded the achievements of the students and encouraged students to build their knowledge in this pandemic times by learning new skills online. Rev. Fr. Kinley D'Crux in his message shared his thoughts, motivated students and congratulated the new MESH Council. The session was attended by TE and BE students through Google Meet.



Prof. Ajit Salunke appreciated the efforts put in by the students of the MESH council for the year 2019-2020. Mr. Lincoln Viegas, Editor of MESH 2019-2020 briefed about all the events carried out by MESH in the last year.

The new MESH council consisting of the Chairman- Mr. Bradley Rodrigues, Secretary- Seattle Rodrigues, Treasurer- Mr. Binay Sharma, Editor- Mr. Rajay Naik, Lady Representative- Shreya Naik and Student Executive members- Ishan Naik, Simon Rodrigues, Shubam Rane, & Clive Rodrigues were inducted by the Chief Guest- Mr. Ranjan Sridharan. Mr. Bradley Rodrigues, MESH chairman proposed a vote of thanks. The program was coordinated by the MESH Coordinators Prof. Suraj Marathe and Prof. Sanjeel Naik.

ISHRAE Virtual Factory Visit : Blowtech Air Devices Pvt Ltd

As part of the unique student exclusive 'Aao Dekhen Factory!' series by the Indian Society of Heating Refrigeration and Air Conditioning Engineers (ISHRAE), a virtual factory visit to Blowtech Air Devices Pvt. Ltd. was organised on the October 17, 2020. The virtual tour was held online on the Go To Webinar platform which received active participation from students all over India.

The Webinar started off with a brief introduction of the company by Mr. Pankaj, the National Chair for students. The factory tour was hosted by the Directors of Blowtech Air devices Miss Neha Choudhury and Miss Yesha Choudhury with a brief overview of the company, its location, the product range and their prestigious AMCA certification. An insight of the 4-floor plant layout and the products

movement across the different phases of the plant was given. Different rooms such as the press shop, tool room, assembly shop, component machine shop, balancing department were then explained in detail. Miss Yesha also emphasized on how the factory makes full use of modern manufacturing concepts such as “Kaizen and Poka Yoka”. Focussing on the Atma Nirbhar Bharat vision of the Prime Minister Shri Narendra Modi, the company now manufactures their own Tig welding machine and balancing clips which were previously imported from China.

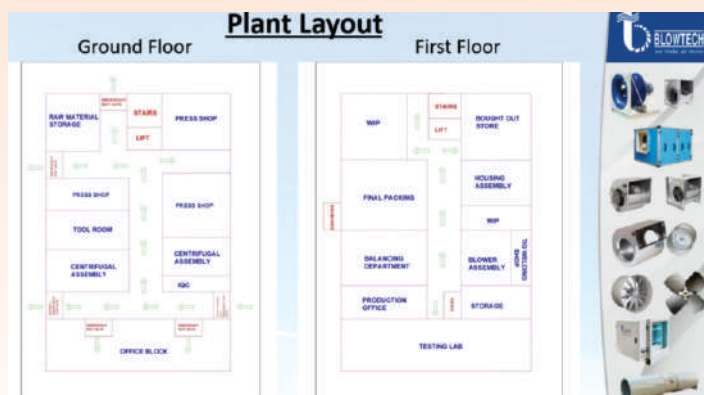
The virtual visit ended with a short message from the Managing Director Mr. Sushil Kumar Choudhury who advised the aspiring engineers to focus on learning new things and nation building. Event saw participation by 21 ISHRAE DBCE Students Chapter members.

Webinar on “Nuclear Energy for Sustainable Development & its spin off technologies

The DBCE ISHRAE students Chapter organized a webinar on “Nuclear Energy for Sustainable Development & its spin off technologies” on Oct 23, 2020. The event was hosted on the Google Meet platform from 11.00 AM to 12.30 pm. There were a total of 101 participants. Industry professionals, Academician and Mechanical Engineering students attended the webinar. The event was hosted and coordinated by Mr. Mayur Shetti while the External Dignitaries and Staff joined in remotely from the comfort and safety of their workplaces and homes. The resource person for the talk was Dr. Devidas B Naik, retired, outstanding scientist and head of electron accelerator & reactor chemistry section, Bhabha Atomic Research Centre, Mumbai.

The event was initiated by Prof. Mayur Shetti who welcomed the participants and gave a brief introduction on Dr Devidas B Naik.

Dr. Devidas B Naik started his lecture by giving a brief introduction to nuclear energy, current scenario and trends of Indian research and development in nuclear power plants. He spoke about PWR, BWR. The lecture stressed more on the applications of nuclear





chemistry on medical & industry application. The participants learnt about recycling of spent fuel, cooling of reactor etc.

At the end of the talk the session was open for questions from participants. The webinar concluded by motivational words from Dr. Devidas B Naik regarding need of skilled Engineer's in nuclear domain.

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

5 days STTP on “5G Wireless Communications and Antenna Design using MATLAB and Simulink”

With an objective of providing an exposure to fundamentals of MATLAB and Simulink for Computation, Signal Processing, Hardware Interfacing, Antenna design and design of 5G Wireless Technologies, a 5 day online short term training programme titled “5G Wireless Communication and Antenna Design using MATLAB and Simulink” was organized on August 11, 12, 17, 18 and 25, 2020, by DBCE Student satellite Club-PARIKRAMA in association with IEEE Students

	LTE	5G
Use cases	Mobile broadband access (MTC later)	More use cases: eMBB, mMTC, URLLC
Latency	~10 ms	<1 ms
Band	FR1 (< 6 GHz)	FR1 (<6 GHz), FR2 (23-53 GHz)
Bandwidth	Up to 20 MHz	Up to 100 MHz below 6 GHz Up to 400 MHz above 6 GHz
Subcarrier spacing	Fixed	Variable
Freq allocation	UEs need to decode the whole BW	Use of bandwidth parts
Always-on signals	Cell specific RS, PSS,SSS, PBCH	Reduced always-on signals, the only one is the SS block

branch, technically sponsored by IEEE Bombay Section WIE (Women in Engineering) Affinity Group.

The short-term training was attended by researchers, academicians, industry professionals, and students not only from India but also from all around the world. A total of 817 participants registered, out of which 184 were International participants. The sessions were organized via online platform and the resource persons were: Mr. Suraj Gawande, Senior Application Engineer, DesignTech systems Pvt. Ltd. and Mr. Uvaraj Natarajan, Senior Application Engineer, Wireless Communications at MathWorks India Pvt. Ltd.

The topics discussed were: **Fundamentals of MATLAB**, Simulink Fundamentals, Antenna design using MATLAB, Hardware Interfacing with MATLAB, 5G Wireless communications using MATLAB.

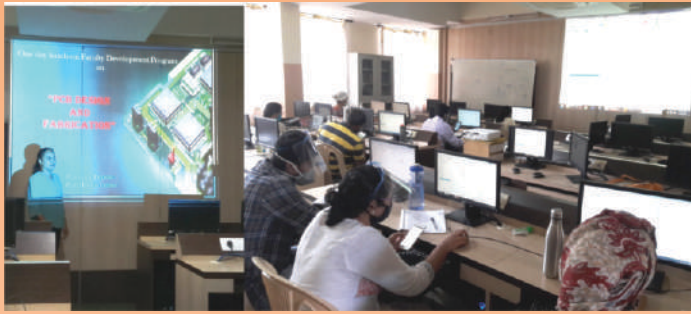
The entire event was coordinated by Prof. Deron Rodrigues and Prof. Mohini Naik and also received assistance from IEEE Student Branch Counselor, Prof. Yeshudas Muttu and Technical assistance team Mr. Ignatius Dias & Mr. Romeo D'Cruz.

“PCB Design and fabrication”

The department of Electronics and Telecommunication (ETC) Engineering in association with FiiRE (Forum for Innovation Incubation Research and Entrepreneurship) conducted a one day Faculty Development Program (FDP) on “PCB Design and Fabrication” on August 19, 2020. The core objective of the workshop was to equip the faculty members with a set of skills and potential to undertake projects in PCB Design. The resource person for the workshop was Ms. Flavia Leitao, Asst. Prof of ETC Dept, DBCE.

The workshop started with an introductory and interactive talk on single and multilayer PCBs, an overview on Soldermask, Silkscreen and the different stages of PCB Design.

The circuit implemented on the PCB was an “Astable Multivibrator”



The faculty members were given a hands-on training on Eagle Software, where the instructor took them step by step through Schematic creation, ERC, BOM generation, Layout design, and DRC.

The Faculty members showed keen interest and enjoyed working on every stage of PCB design and expressed their views that it should be carried forward to do project PCBs and Antenna Design.

The coordinator for the workshop was Asst. Prof. Flavia Leitao. Mr. Ignatius Dias, Prof. Priyanka Padiyar and Prof. D.S Vidhya were appreciated for all their support and assistance. The Director-Rev. Fr. Kinley D'cruz and Principal- Dr. Neena Panandikar appreciated the efforts of Prof. Flavia Leitao in organizing the workshop and urged the faculty members to take it forward and provide their consultancy services in this domain. The department is proud to work under the leadership of the HOD Dr. Varsha Turkar, whose vision and motivation helps them to chase new boundaries every day. The department is grateful to Mr. D.S Prashant, CEO of FiiRE who provided the opportunity to associate with the team at FiiRE and assist them in PCB design.

One Week Online ISTE Approved, Faculty Development Programme on “Recent Trends in RF and Microelectronics”

A One Week online ISTE approved Faculty Development Programme (FDP) on “Recent Trends in RF and Microelectronics”, was organised by Department of Electronics and Telecommunication Engineering, Don Bosco College of Engineering and Department of Electronics and Communication Engineering, National Institute of Technology, Goa from August 31-September 4, 2020.

Around 100 participants attended the FDP from all over the globe. The FDP commenced with the

inaugural ceremony in the presence of the Director Rev. Fr. Kinley D'cruz, Principal Dr. Neena Panandikar, Dr. Varsha Turkar, Head of ETC Dept. DBCE and Convener, Dr. Vasantha M.H., Registrar, NIT, Goa and Co-Convener for the FDP and faculty members of DBCE and NIT, Goa. The host for the inaugural ceremony was Asst. Prof. Samantha Cardoso.

The coordinators of the FDP were Asst. Prof Trima P. Fernandes e Fizardo, Asst. Prof Samantha Cardoso from DBCE, Dr. Pragati Patel, Dr. Lalat Indu Giri from NIT, Goa. The members of the broadcasting team were Prof. Yeshudas Muttu, and Dr. Shreyas Simu. The system support staff were Mr. Romeo D'cruz, Mr. Amit Sapkal and Mr. Ignatius Dias.



Eminent speakers from Indian Space Research Organisation, Tata Institute of Fundamental Research and National Institute of Technology, Goa with expertise in the field of RF and Microelectronics delivered sessions during the course of the entire week.

Mr. Puneet Kumar Mishra, Scientist, Indian Space Research Organisation, Chair IEEE Bangalore section enlightened the audience on Satellite Configuration, Design, Assembly, Integration and Testing. He also showed videos of satellite launch at Indian Space Research Organisation. Dr. Satyanarayana Bheesette, Scientific Officer(H) at Tata Institute of Fundamental Research, Mumbai, gave insights on Microelectronics for RF Signal Processing.

Dr. Nithin Kumar, Assistant Professor and Head of Electronics and Communication Engineering, National Institute of Technology, Goa, covered the basic design issues of conventional comparator and methods to improve the speed with minimum power consumption.

Dr. Milind Mahajan, Director, Antenna Systems Group; ISRO-Ahmedabad, explained the spacecraft Antenna Design and Development Challenges.

Dr. Vasantha M.H, Associate Professor, Department of ECE, NIT Goa, explained how Gm-C filters can be designed to offer higher bandwidth if the dynamic range requirement is relaxed for the same power.

Dr. H.G. Virani, Professor and Head of Electronics and Telecommunication Engineering, Goa College of Engineering, Farmagudi, elaborated on trends in Integrated Circuits.

E. Mallikarjun, Assistant Professor, Department of Electronics and Communication Engineering, National Institute of Technology, Goa, delivered a session on Non-destructive evaluation of concealed objects via microwave imaging applications, image configurations, electromagnetic scattering equations, inverse formulations, regularization methods numerical results and future direction.

Prof. Mohini Naik, Assistant Professor, Don Bosco College of Engineering, Fatorda spoke on her research area of Millimeter Wave Antennas.

Dr. Pragati Patel, Assistant Professor, Department of Electronics and Communication Engineering, National Institute of Technology, Goa, enlightened the audience on Recent Trends in Dielectric Resonator Antennas for Various Applications.

Dr. Anirban Chatterjee, Assistant Professor, Department of Electronics and Communication Engineering, National Institute of Technology, Goa, discussed basic L-section networks, as well as T and pi type of networks to perform matching, ensuring minimum reflection between the source and load.

Dr. Lalat Indu Giri, Assistant Professor, Department of Electronics and Communication Engineering, National Institute of Technology, Goa, enlightened on Thermal Imaging for Biomedical Instrumentation and Agriculture Electronics.

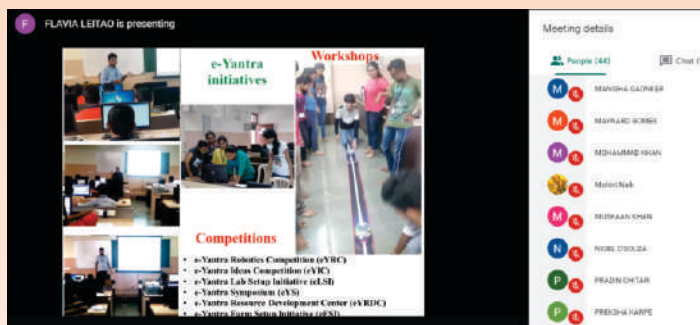
The FDP ended with a valedictory function wherein

the participants gave their valuable feedback. The reviews of the workshop were excellent. Rev. Fr. Kinley D'Cruz, Director and Dr. Neena Panandikar, Principal were also present for the function. Asst. Professor Trima P. Fernandes e Fizarado, Department of Electronics and Telecommunication Engineering, delivered the report of five days FDP and Dr. Varsha Turkar, HOD Electronics and Telecommunication Engineering proposed the vote of thanks.

Orientation Program for Students of Electronics and Telecommunication Engineering Department, Don Bosco College Of Engineering

An orientation programme was organized for Second Year (SE) students of Electronics and Telecommunication Engineering (ETC) Department on September 12, 2020 through the Google meet platform. The orientation was conducted with the intention of welcoming the students to the ETC Department and introducing them to the various technical and non-technical activities carried out by the department.

The orientation programme commenced at 9:40 a.m. The entire class was present for the orientation programme. The introductory address was given by the Class Teacher, Prof. Trima P. Fernandes e Fizarado. She introduced the students to the various courses in their curriculum. The students were informed about



the examination as well as the importance of attendance for the online classes.

Prof. Mohini Naik gave a brief overview on Student Satellite Club-Parikrama, Antenna Research Group and Indian Space Research Organisation (ISRO) Outreach Programme. She informed students that under Parikrama, students are developing a ground station for the satellite communication and also going to design and fabricate the satellites. She

enlightened the students about the workshop for designing of antennas under Antenna Research Group. She encouraged the students to register for various courses under Indian Institute of Remote Sensing-ISRO Outreach Programme.

Prof. Flavia Leitao introduced e-Yantra lab to the students which is a project hosted by IIT Bombay to spread education in Embedded Systems and Robotics in colleges across India and sponsored by MHRD. She gave an insight to the workshops and various initiatives under e-Yantra organised by IITB. She also focused on Task Based Training which believes in “Learning by Doing” and urged students to be a part of e-Yantra Robotics Club setup by the department.

Prof. Deron Rodrigues briefed on Don Bosco Electronics and Telecommunication Society (DBEATS), which is an Electronics and Telecommunication student association. He introduced the DBEATS committee members and spoke about the various technical activities like Technova Fest, Bose Shanon Shockley (BSS) paper presentation, Workshops and Expert talks under the DBEATS banner.

This was followed by an overview of IETE (Institution of Electronics and Telecommunication Engineers) by Dr. Shreyas Simu. He explained the motto of IETE that is “Let's all work together”. He enlightened the students about the objectives, benefits of IETE and activities conducted under it. He also gave insights to the upcoming events of IETE.

Prof. D.S. Vidhya gave a brief session on accreditation and NPTEL courses. She encouraged the students to enrol themselves for the NPTEL courses. She also informed the students about the various course credits.

Prof. Yeshudas Muttu introduced the students to IEEE student branch. He elaborated the various activities under the IEEE student branch like seminars, outreach programs, workshops, webinars and educational tours. The existing student committee members of IEEE shared their experiences with the second year students.

IEEE Student Branch Organizes One-Day Programming Competition TECH-CODERS

The IEEE Student Branch of Don Bosco College of Engineering organized a One-day online Coding Competition "TECH CODERS" on September 13, 2020 on HackerRank Platform for DBCE Students under the guidance of IEEE Branch Counselor, Prof. Yeshudas Muttu. The main objective of this competition was to enhance the student's logical thinking and problem solving skills considering the current scenario with respect to placement. This also inspired a new level of enthusiasm for extra-curricular activities.

The C++ based Competition was scheduled from 3:00 pm – 6:00 pm & Python based Competition was scheduled from 6:30 pm – 9:30 pm. The Problem statements on C++ and Python coding were grouped into three different modules, i.e. Easy, Moderate & Difficult. Each module was allocated with one hour duration. The rules and score allotment for each block was provided to the contestants via an online mode well before the event.

The competition commenced at 3pm as scheduled. Module A had 8 easy level problem statements, each of 10 points; it included distinct substrings, greatest common divisor, frequent numbers, etc. The medium section, Module B had questions of 20 points each based on sum of products, distinct rotations, smallest array, etc. The tough section, Module C had 4 questions of 30 points each.

At the end of C++ Programming Competition, the final scores were decided by the moderators and the ranks were as follows: First place Mr. Saiesh Naik, TE-ETC, Second Place Mr. Yash Diniz, BE-Comp, Third Place Mr. Amatya Katayan, TE-Comp.

Python based competition commenced at 6:30pm with the competition format same as that of C++. The following rankings: First Place Ms. Valini D'Silva, BE-ETC, Second Place Mr. Carson Rodrigues SE-Comp, Third Place Mr. Yash Diniz, BE-Comp.

This event received an overwhelming response of 61 Signups on the HackerRank Platform. Principal- Dr.

Neena Panandikar & HOD-ETC Dr. Varsha Turkar appreciated the efforts put in by the IEEE Team. Prof. Yeshudas Muttu congratulated the IEEE Committee Members for working tirelessly, right from formation of Problem statements, debugging the codes, developing test cases & making the HackerRank Platform ready for the competition. The participants showed great zeal & enthusiasm in coding & were awarded e-certificates for the same.

IEEE Day Celebration 2020

For the first time since its inception, the IEEE Student Branch of Don Bosco College of Engineering, Fatorda-Goa observed IEEE Day with the tagline, Celebrate the bond of Technology. It was celebrated on October 2, 2020 from 10.00 am to 1.00 pm. Keeping in mind the norms of the pandemic, the event was held in Online Mode & was coordinated by IEEE Student Branch Counselor, Prof. Yeshudas Muttu. The Chief Guest was Dr. Saurabh Mehta, Chair of IEEE Bombay Section Technical & Professional Activities Committee and was attended by Dr. Varsha Turkar, HOD-ETC, and all IEEE student members. The dress code was mandated to be blue. The entire event was hosted by Ms. Neha Joshi, Secretary of the IEEE Student Branch.

Mr. Alston Dias, IEEE Student Branch Webmaster introduced the chief guest to everyone. Dr. Saurabh Mehta spoke about the importance of celebrating IEEE Day. Moreover, he also informed the attendees of the various benefits and perks an IEEE member can avail. He encouraged the student members to avail of the facilities that the organisation provides and to use it at full advantage as it would help in building professional careers. Before concluding, Dr. Mehta answered questions posed by the members. Later, Prof. Yeshudas Muttu addressed the audience

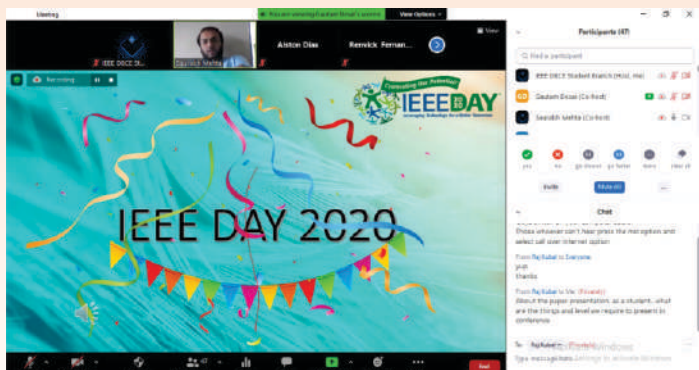
as an IEEE Student Branch Counselor with his motivating words and assured that the IEEE student branch will make a positive impact on their Professional life. The first session ended with a small video that showcased all the events that IEEE DBCE Student Branch had organised since its foundation.

The second half included fun events for the student members, with its objective to strengthen communication and networking between fellow members by participating in the games that followed. It was initiated by Ms. Anjima Rajesh, IEEE student member who hosted Shazam wherein participants had to guess the name of the song that was played for them.

Following this, Memeflix-a quiz- was conducted by Mr. Suyog Borker, IEEE Treasurer and Mr. Kingsley, IEEE student member. The participants' knowledge was tested in three rounds- Netflix, Memes and IEEE. Subsequently, Ms. Krystal Fernandes, IEEE Joint Secretary and Ms. Valini D'Silva, IEEE student member hosted Scribble It! wherein participants had to draw a word and the others had to guess what it was.

Surf It, Say It event was planned by Mr. Renvick Fernandes, IEEE Chair and Mr. Gautam Desai, IEEE Vice-Chair wherein, a topic was given to the attendees and two minutes of search time was given, then after they had to return and talk about it. The aim to conduct this was to expand the knowledge of the members about the IEEE organisation. Finally, a round of Situational Bingo was hosted wherein the IEEE Chair gave out college and IEEE related situations and the attendees had to share their personal experiences if they had done it.

IEEE Day 2020 concluded with a vote of thanks delivered by Mr. Renvick Fernandes.



Expert talk on “Introduction to Wavelet Transform”

Dr. Varsha Turkar, HOD, Dept. of ETC, organised an expert talk for Sem VII students of ETC Dept. on October 15, 2020 on “Introduction to Wavelet Transform”. The expert invited was Ms. Harshula

Tulapurkar. Ms. Tulapurkar is currently Head of TruBI implementation at Datamatics Global systems. She has more than 15 years of experience in the field of software industry and has played varied roles from developer to program management. She has both onsite and offshore development experience and worked on many international projects. Currently she is pursuing her PhD at IIT Bombay in the field of dimensionality reduction of hyperspectral images.

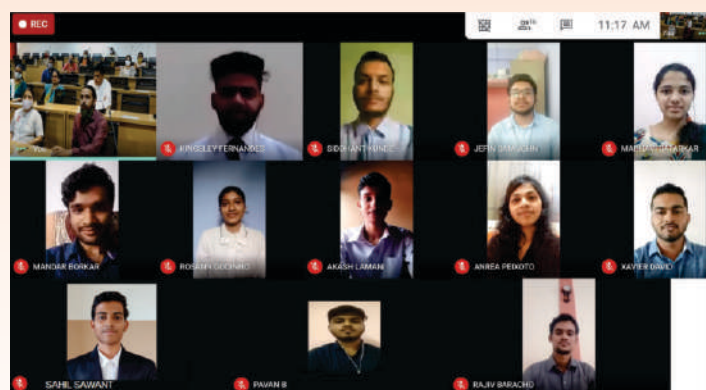
Ms. Harshula began with what is Discrete Fourier Transforms (DFT), advantages and disadvantages of DFT and how the disadvantages of DFT are overcome by Discrete Wavelet Transform. She shed light on the importance of Discrete Wavelet Transform (DWT). She also explained various applications of Wavelets in Image Processing.

The feedback from the students was exceptionally good and many students shared that the lecture helped them realize the importance of DWT. They also mentioned that they would like to attend some more 'beyond curriculum' sessions in the future.

9TH Installation OF DBEATS Council

The 9th Annual Installation of DBEATS (Don Bosco Electronics and Telecommunication Society) was held on October 24, 2020 at 10:30am. The Online Installation ceremony was held through Google meet.

The Chief Guest for the function was Mr. Varun Pillai, Associate Manager, Implementation Inventory Sakon, Pune-Maharashtra. Besides the Chief Guest, the occasion was graced by the presence of Dr. Neena Panandikar, Principal- Don Bosco College of Engineering, Fatorda, Rev. Fr. Kinley D'Cruz - Director, Dr. Varsha Turkar - Head of ETC



Department, DBEATS Faculty Coordinators, Prof. Deron Rodrigues and Prof. Michelle Araujo e Viegas and Mr. Kingsley Fernandes- DBEATS Chairperson.

The ceremony commenced with a welcome prayer recited by Mr. Jefin Sam John. Thereafter, Dr. Neena Panandikar, in her welcome address congratulated the faculty and students of ETC department for their various achievements and wished them luck for their future endeavors. Rev. Fr. Kinley D'Cruz congratulated the newly elected members and motivated them with his wise words. Prof. Deron Rodrigues presented a brief comprehensive report of the D-BEATS activities held during the year 2019-2020.

The new DBEATS council members were then introduced by Prof. Michelle Araujo e Viegas.

This was followed by the oath taking ceremony by the following members: Chairperson - Mr. Kingsley Fernandes (BE ETC), Vice-Chairperson- Mr. Sahil Sawant (TE ETC), Secretary- Ms. Rosann Godinho (TE ETC), Joint Secretary- Mr. Jefin Sam John (SE ETC), Treasurer- Ms. Madhavi Satarkar (BE ETC), Editor- Ms. Andrea Peixoto (SE ETC), Executive Members- Mr. Siddhant Kunde (BE ETC), Mr. Pavan Kalyan (BE ETC), Mr. Xavier David (TE ETC), Mr. Rajiv Baracho (TE ETC), Mr. Akash Lamani (SE ETC), Mr. Mandar Borkar (SE ETC).

Thereafter, Ms. Madhavi Satarkar, introduced the Chief Guest, Mr. Varun Pillai and welcomed him to address the gathering.

The Chief Guest, in his address shared with students his journey from college to career and touched upon the importance of nurturing the things one is good at. He also encouraged the students to gain knowledge beyond the textbook and syllabus. He maintained that one should have a positive attitude towards learning and towards work when one begins his/her career even if the earnings are not commensurate.

Dr. Neena Panandikar thanked the Chief Guest for his heartening words.

The event concluded with a vote of thanks delivered by Ms. Rosann Godinho, Secretary of DBEATS student's council.

The event was compered by Mr. Rajiv Baracho, executive member of DBEATS student's council. The function was attended by students of SE, TE and BE ETC who joined via online platform.

e-Yantra Task Based Training in Robotics

e-Yantra is a Project hosted by IIT Bombay to spread education in Embedded systems and Robotics in colleges across India and sponsored by MHRD through NMEICT. The main purpose of DBCE to engage with e-Yantra was to empower teachers and students to create a culture of innovation and entrepreneurship in the college.

With this Objective in mind, the e-Yantra team of DBCE which includes Prof. Flavia Leitao, Prof. Yeshudas Muttu, Prof. Mathilda Colaco and Prof. Deron Rodrigues, along with the HOD- Dr. Varsha Turkar came up with an innovative Teaching-Learning strategy, which was Task Based Learning, which meant, Learning by Doing.



The e-Yantra student's team of DBCE was formed and was given study material which the students were expected to go through and perform the related tasks.

There were in all 7 teams formed, comprising of 4 students each from TE and SE ETC. The objectives of including the SE with the TE students was to pass on the Robotics knowledge and expertise gained by TE students to the SE students while they are working under the guidance of the third year students.

The students learnt to Interface the Firebird Robot with the LED, LCD, Buzzer, Boot Switch, Motors and carry out tasks like performing a particular motion, controlling the speeds, displaying particular data, line followers and so on.

The various tasks were floated with definite deadlines and the students showed keen interest in performing these tasks well before deadlines and enjoyed working on these tasks.

The Judging team had a tough time evaluating the different teams. It was an overwhelming experience to see such enthusiasm amongst the students.

Academic Year (2020-2021)

Students of second year, third year and final year of electronics and telecommunication department attended online Internship courses due to the ongoing pandemic situation as students are unable to go to the company in person.

All the students attended and completed a minimum of 30 hrs certified courses. Students were given a list of courses of 19 relevant topics to choose from. The topics included

- Python basics,
- Introduction to programming with MATLAB ,
- Basics of web development and coding,
- Android app development,
- Internet of things,
- Basics of computer networking,
- Google IT automation with python,
- IBM cyber security analyst,
- Java programming and software engineering Fundamentals,
- Hardware description languages for FPGA design,
- Introduction to openCL on FPGAs,
- Machine learning,
- Deep learning,
- Programming the Internet of things,
- Innovation and entrepreneurship,
- Digital marketing.

These courses were conducted by reputed universities and companies across the globe which included University of Colorado, Yonsei University,

University of California, Duke University, Google, Intel, IBM to name a few.

Students took advantage of the opportunity given to them and completed the courses by August 31, 2020. The courses were well received by the students who had a great learning experience and got exposure to the latest technology as well as international universities and international companies. The courses were completed by 166 students.

DEPARTMENT OF COMPUTER ENGINEERING

Computer Students Attend Information Security Online Webinar (Beyond Syllabus)

C-CODES in association with the Department of Computer Engineering and Alumni Committee, DBCE, organised a webinar on INFORMATION SECURITY on September 15, 2020. The webinar was conducted by Mr Shwetang Naik an information security Associate at Fiserv Pune, Maharashtra and Professors Merwyn D'Souza, Siya Naik and Janhavi Naik (Computer Engg. Dept, DBCE, Fatorda). It was held for the students of the computer department via Google Meet under the guidance of Prof. Merwyn D'Souza and Prof. Siya Naik.

The session gave the participants an insight about protecting the data without any misuse by an unauthorized third party which is very useful in the military, commercial, personal and financial sector. Participants were informed about the various security testing types namely Penetration Testing, Application security and Infrastructure security. They were further made aware of the OWAPS (Open Web Application Security Project) Top 10 that is the 10 most critical security risks concerns for web application security. The resource person, Mr Shwetang Naik gave a brief demo on how to perform SQL injection.

The participants were also told how Google stores user data and if required how they can look into it as well. Prof. Janhavi spoke on Audit and compliance. The webinar concluded with an interactive question-answer session which was answered by Mr.

Shwetang Naik. The student coordinators were Cyndroy Rebello, Sheena Mashelkar, Nihal Kamat, Ashish Mishra, Tanay Rataboli, Ritika Ghanti and Nargish Khan.

One day International Knowledge Summit (India-Bhutan)

The Department of Computer Engineering organised a One day Knowledge Summit in association with Sherubtse College Royal University of Bhutan on September 11, 2020 using an online Platform.

The seminar was attended by 72 participants from various disciplines of engineering, both faculty and industry representatives from India and Bhutan. The seminar focussed on promoting innovation and growth through sustainable engineering development. Seminar was graced by Rev. Fr. Kinley D'Cruz, Director, Dr. Neena Panandikar, Principal, Don Bosco College of Engineering, Mr.Tshering Wangdi, President, Sherubtse College, Royal University of Bhutan, Mr Dendup Tshering, Dean of Research and Industrial Linkages along with Dr. Gaurang Patkar, HOD Computer Engineering department.

Session started by paying respect to the national anthem of both countries and followed by . brief description about the sacrifices and contribution of Founder Father of Salesian's Society, John Melchior Bosco popularly known as Don Bosco by Rev. Fr. Kinley D'Cruz followed by brief introduction of Sherubtse College, Royal University of Bhutan by Mr. Tshering Wangdi. The highlights and achievements of Don Bosco College of Engineering, Goa were presented by Dr Neena Panandikar and Mr Dendup Tshering shared some of the milestones achieved by Sherbtse College, Bhutan.



First speaker for the day was Mr. Siddharth D. Kamat, Joint General Manager at NCC Limited, Mumbai, Maharashtra, India, who delivered a session on sustainable growth in engineering. He gave a session on the challenges in sustainable growth in construction engineering.

Mr. Siddharth Kamat in his presentation brought to light some of the problems that are getting in the way of life due to rapid industrialization and its impact on mother nature.

Second speaker was Mr. Tashi Chophel, program lead of political science, Royal University of Bhutan. He gave an indepth view on Gross National Happiness (GNH) and education system in Bhutan. He narrated that GNH was inducted in 1972 by 4th King in Bhutan to promote conditions that would bring gross happiness to all individuals in reality.

The event was coordinated by Asst. Prof Mithil Parab, Asst. Prof Amey Tilve and Asst. Prof Jhanvi Naik and was well received as well as appreciated by all participants.

A Webinar on “Innovative Tools for Teaching” for School Teachers under Unnat Bharat Abhiyan

Digitization in teaching process is making learning easy, it is also making it more interactive and interesting. This has changed the way of Learning, Teaching and Knowledge Gathering. Keeping in mind the twin objectives of National Education Policy, the Department of Computer Engineering at Don Bosco College of Engineering (DBCE) Fatorda Goa in joint association with Unnat Bharat Abhiyan (UBA), organized a webinar on “Innovative Tools for Teaching” on October 3, 2020 in online mode for School Teachers.

This Program was initiated by Dr. Gaurang Patkar,



Head of Department, Computer Engineering, DBCE and UBA coordinator. The resource person for the webinar was Prof. Sweta Morajkar, Assistant Professor, Computer Department, DBCE. The event was coordinated by Prof. Janhavi Naik, Assistant Professor, Computer Department, DBCE. The speaker spoke on Innovative Tools for online teaching which are very helpful in making teaching interesting. She explained different features of Google Classroom and also demonstrated the usage of Prezi, Canva, Flip HTML and some video recording software's such as Loom and Flash Express 5. Over 250 school teachers registered for this webinar. Teachers posed a lot of questions which were eagerly answered by the speaker. Prof Janhavi thanked Rev. Fr. Kinley D'Cruz, Director DBCE and Principal- Dr. Neena Panandikar for their constant motivation and support. She also thanked Dr. Gaurang Patkar and UBA member Prof. Satyesh Kakodkar for their active involvement in making this webinar a success. The webinar was well coordinated by Romeo D'Cruz, Administrator (IT) and Amit Sapkal, Technical Assistant, DBCE. The webinar was well appreciated by all the teachers.

Computer Students Attend Online Webinar on Web Security

C-CODES, in association with the Department of Computer Engineering, DBCE, organized an online webinar on WEB SECURITY on October 17 2020, which was conducted by Ms. Tanusha Kamat, a senior member of a reputed software company. It was held for the students of the computer Department via Google Meet under the guidance of Prof. Merwyn D'Souza and Prof. Siya Naik.

The Webinar gave the participants an insight on the threat landscape related to using the web. A number of key attacks such as Phishing, DDoS, and SQL Injections were discussed. Information was shared pertaining to the various ways an attack could be carried out via the aforementioned attacks and measures to prevent the same were also discussed. Additional information in the form of videos was also shared. A video demonstration on how an attacker would carry out an XSS (Cross-Site Scripting) Attack was also displayed. Key aspects of Drive-by Downloads and Malicious iframes were also brought

to attention. The participants were also informed about the various types of malware such as keyloggers, screen capture malware and ransomware. How they can infect a system and preventive measures for the same were also discussed.

To conclude the Webinar, Ms. Tanusha Kamat showed a video on the most devastating cyber attacks in recent times and some information on bug bounty hunting and virtual machines.

The webinar was concluded by a question-answer session which was gladly answered by Ms. Tanusha Kamat. The student coordinators were Astha, Stella, Nigel, Athena Meghana, Rea, Nirzar and Saish.

Orientation Programme for SE Computer

Department of Computer Engineering organized an Orientation Programme for SE Computer students on 19 September 2020. A total of 51 students attended the session. Class teacher, Ankit Tiwari gave an overview of the activities in Computer Engineering department. He introduced the sponsored DRDO project to the students, the project undertaken by DBCE under the guidance of PI- Dr Gaurang Patkar and Co-PI Amey Tilve. Amey Tilve also briefed them about the various activities in C- Codes -Council of Computer Department Engineering Students. He also spoke on NPTEL and encouraged the students to enroll for various courses.

Dr. Vivek Jog spoke about the training and placement sessions to the students. The session was concluded with parting words from Dr. Gaurang Patkar, HoD, Computer Engineering department to actively participate in departmental activities to ensure holistic development of students.

Dr. Gaurang S Patkar delivers talk on Soft Computing & Its Applications in Agriculture

S.G. Balekundri Institute of Technology, Belgaum affiliated to Visvesvaraya Technological University, Belgaum, India invited Dr. Gaurang S Patkar to deliver an online seminar on “Soft Computing & Its

Applications in Agriculture”. Dr. Gaurang Patkar said that Soft computing is an emerging approach to computing that gives the remarkable ability of the human mind to argue and learn in the atmosphere of uncertainty and distrust. He also shared his research in the same area and discussed new applications in agriculture. The Computer Engineering Department arranged the online seminar on September 25, 2020 from 4.00 pm to 5.00 pm. The seminar was for students and faculty.

A webinar on “Advanced Features in Digital Documentation and Spreadsheet”

Government High School, Sadar Ponda Goa organized a webinar on “Advanced Features in Digital Documentation and Spreadsheet” on October 18, 2020 from 3.00 pm to 4.00 pm in online mode under National Skills Qualifications Framework. Prof. Sweta C. Morajkar, Assistant Professor, Computer Engineering department was invited to be the guest speaker. The webinar was arranged in the motive of sharing the knowledge and hands on experience in documentation and creating spreadsheets.

The National Skills Qualification Framework (NSQF) organizes qualifications according to a series of levels of knowledge, skills and aptitude. These levels are defined in terms of learning outcomes which the learner must possess regardless of whether they were acquired through formal, non-formal or informal learning.

Prof. Sweta spoke about how creative writing can help in documentation. She focussed on key points like choosing a proper topic, Literature review, Organisation of content and Presentation. She demonstrated the use of advanced features and some shortcuts in MS word. She also spoke about features in Excel and demonstrated those using examples. Sonam Sangodkar, IT Instructor of Government School, Sadar Ponda thanked Prof. Sweta Morajkar for sharing valuable knowledge with students.

Tea Session

Computer Engineering Department at Don Bosco College of Engineering hosted for the first time a

program “TEA SESSION”. The speaker for the session was Mrs Poonam Shirsat, Founder of THE SKILLCOMPANY.

The event started with Prof. Janhavi Naik welcoming the faculty



Principal- Dr. Neena Panandikar addressed the program and offered her best wishes. The HOD- Dr. Gaurang Patkar introduced the concept of TEA Session and welcomed everyone. Prof. Amrita Naik introduced the guest speaker Mrs. Poonam Shirsat.

The session was wonderful and enriching with a lot of activities. Everyone interacted and gave good feedback. On behalf of the Computer Engineering department of Don Bosco College of Engineering, it has been a pleasure to host TEA Session with Mrs. Poonam Shirsat. Prof. Janhavi Naik, delivered vote of thanks.

This workshop was about human living (not just living with fulfilment but living with continuous fulfilment, which is the basic human aspiration).

Education is expected to facilitate and plays a crucial role in preparing the people for the realisation of these aspirations. It provides for development of the skills required and it also plays a significant role in the shaping of one's world-view, mind-set, perspective and values.

This workshop was attended by the Counselling Psychologists, Grebrian Alemao and Maya Lin Noronha, faculty of Don Bosco College of Engineering.

The topics covered were, Holistic Development and Role of Education, Understanding the Human Being - Self and Body, Harmony in the Human Being, Prosperity and Health, Understanding Relationship – Trust and Respect, Harmony in the Family, Understanding Society and Nature.

After every session there was a question and answer round and a feedback form was to be filled by every participant.

On the last day of the workshop, the evening session had the Valedictory Program wherein 30 participants were chosen from all over India to give their Self-evaluation & Commitments to their college/universities regarding UHV development. Counselling Psychologist- Ms. Maya Lin Noronha was asked to give her feedback, wherein she also reported all the various activities carried out by her college and stated that she would propose for a UHV Cell in the college.

This workshop was very enriching and primarily covered a universal approach for value inculcation. It touched upon a universal approach for the enrichment of culture, literature and health.

DEPARTMENT OF SCIENCE AND HUMANITIES

A National On-line Workshop,” Incorporating Universal Human Values in Education”,

A National On-line Workshop,” Incorporating Universal Human Values in Education”, was conducted by AICTE, from the July 28 - August 1, 2020.

TRAINING AND PLACEMENT

Webinar on – 'Higher Studies Abroad'

The Training and Placement Cell arranged a webinar

on Higher Studies Aboard as a part of the webinar series on Higher studies & competitive exams after engineering for students of Don Bosco College of Engineering of all years and all branches. The talk was organized on Saturday, August 29, 2020 on Google Meet.



The talk was delivered by Mr. Suhas Tendulkar and Ms. Kamini Vidisha. Suhas is an electrical engineer and a management graduate from XLRI Jamshedpur. He has over 18 years of professional experience in various companies including Reliance Industries and Suzlon Energy. He scored 760 (99 percentile) in GMAT and has given personalized training to graduate students for GMAT/GRE.

Kamini Vidisha is the Co-founder of Univadmithelp.com and acadru.com. She is a Computer Science Engineer from Mody University, a supply chain graduate from Cardiff University. She is one of the lead mentors at UAH and guides students to get into top ivy league schools for UG, Masters, MBA and MIM.

The speakers explained the preparation and details of applying for GRE. They also explained about the exam pattern and how to prepare for various sections of GRE exam. The students asked many interesting questions which were answered in detail by speakers. They encouraged students to start preparing for GRE, TOEFL & IELTS exams from the third year. The webinar was concluded by Dr. Shreyas Simu and Prof. Avila Naik by thanking the speakers for their valuable time and inputs.

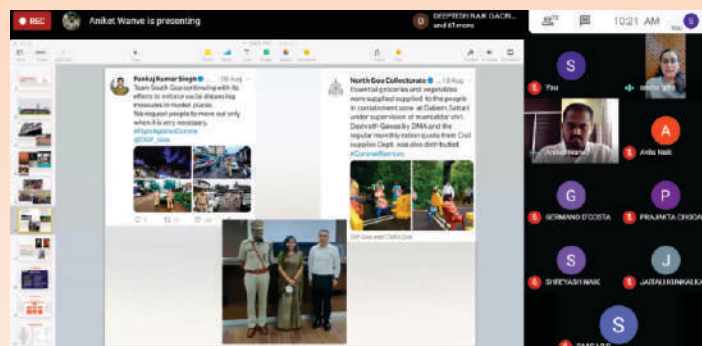
Webinar on – 'Preparation for UPSC Exam'

The Training and Placement Cell arranged a webinar on Preparation for UPSC Exam as a part of the

webinar series on Higher Studies & Competitive Exams after Engineering for students of Don Bosco College of Engineering of all years and all branches. The talk was organized on Sunday, August 30, 2020 on Google Meet.

The talk was delivered by Mr. Aniket Wanve, IFS and Dr. Sneha Gitte, IAS. Mr. Aniket Wanve is in Indian Forest Services (IFS) from 2019 batch. He is an alumni of Vidyalakar Institute of technology, Mumbai of 2015 batch and holds a bachelor's degree in Engineering from Electronics & telecommunication branch. Dr. Sneha Gitte holds a MBBS degree from NAIR hospital and college and passed out in 2016.

The speakers spoke about various options available in civil services. They spoke in depth about the preparation for the UPSC exam and also shared their personal experience. The speakers also shed light on the exam sections and interview procedure. The students posed many questions and got their queries solved by the speakers. Speakers suggested that students should read newspapers every day and update themselves with current affairs. The webinar was concluded by Dr. Shreyas Simu and Prof. Avila Naik by thanking the speakers for their valuable time and knowledge shared.



Webinar on – 'PURSUING MBA IN INDIA'

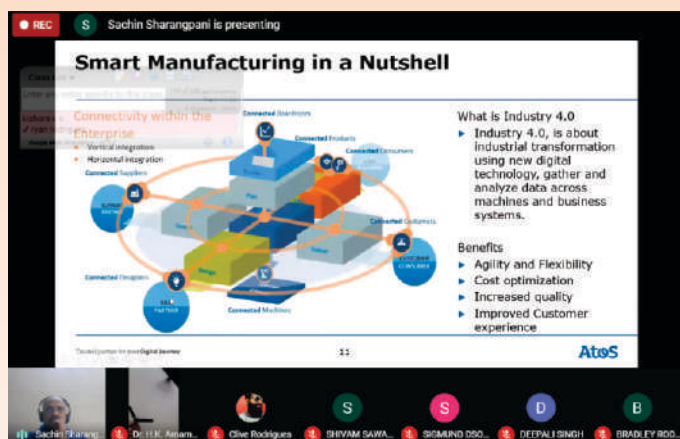
The Training and Placement Cell along with Alumni Committee of Don Bosco College of Engineering arranged a webinar on Pursuing MBA in India as a part of the webinar series on Higher Studies & Competitive Exams after Engineering for students of Don Bosco College of Engineering of all years and all branches. The talk was organized on Saturday, August 29, 2020 on Google Meet.

The talk was delivered by Ms. Mamatha Manu. Mamatha is an alumnus from Don Bosco College of Engineering, ETC Department 2015 Batch. She is a management graduate from Goa Institute of Management 2018 batch. She has over 2.5 years of professional experience in Tangentia Company as Human Resources manager.

The speaker spoke about why to choose MBA as an option after engineering. She explained to the students about various MBA competitive exams and colleges where one can get in by answering those exams. She also held a mock MBA Q&A session to give students a feel of the type of questions asked. The students posed many interesting questions which were answered by the speaker. She gave students some pointers on how to prepare for the exams. The webinar was concluded by Dr. Shreyas Simu and Prof. Avila Naik by thanking the speaker for her valuable time and knowledge shared.

Webinars on Career Progression with SAP

The Training and Placement Cell organized webinar for students on topic Career Progression with SAP. Webinar was held on September 7, 2020 on Google meet. The resource person for the webinar was, Mr. Sachin Sharangpani, GM & Head, ATOS India SAP Education. The webinar was organised with the help of Regional Employment Exchange, Panaji Goa.



The speaker spoke on what is SAP and in which domains it can be used. The speaker also gave a lot of insight on smart manufacturing, innovation and career management. Student and faculty asked a lot of questions which were eagerly answered by the speaker. Dr. Shreyas Simu thanked the speaker for

his time and delivering the session. He also thanked Mr. Rajat from Regional employment exchange and students for joining the webinar and having a good discussion.

Webinar on New Education Policy (NEP)

The Training and Placement Cell organized webinar for faculty on the topic of New Education Policy (NEP). The Webinar was held on September 25, 2020 on Google meet. The resource person for the webinar was Mr. Manu Sakunia, Career Counsellor. The webinar was organised with the help of Regional Employment Exchange, Panaji Goa.

The speaker spoke on the current education policy and how NEP is going to change the scenario. He mentioned the drawbacks of the current system and how NEP aims to achieve better results. The speaker mentioned the aims and objectives of NEP and how it is going to enhance skills of students and make them employable in the industry. He explained how NEP is beneficial to the faculty and Higher Education Institutes (HEI). The faculty asked a lot of questions which were eagerly answered by the speaker. Dr. Neena Panandikar thanked the speaker for sharing the valuable information and declared that Don Bosco College of Engineering welcomes NEP and is already working in the direction suggested by NEP. Dr. Shreyas Simu, ATPO thanked the speaker for his time and for delivering a wonderful session. He also thanked Mr. Rajat from Regional Employment Exchange and other faculty for joining the webinar and having a good discussion.

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