



Connections

Quarterly Newsletter for Institute's Friends, Patrons, Mentors and Students

Feb - April 2023 Vol 12 - Issue 3

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NEWS IN GENERAL

Don Bosco Engineering Students Participate in VISTARA



Our students participated in Vistara- organised by Goa College Of Architecture. This event was held on February 9-10, 2023. The students participated in group dance, third degree, treasure hunt, innocentric, hogathon, chess, football, cricket, strongman, dance off, face painting, photography, scavenger hunt, tug of war, mehendi art and carom.

Students won 2nd place in treasure hunt, 2nd place in hogathon, 3rd place in football and 1st place in strongman.

A talk on “Recent Trends in Cybersecurity”

Sweta Morajkar, Assistant Professor, Computer Engineering Department conducted a seminar on "Recent Trends in Cybersecurity" as a part of DBCE ACM Student chapter and Unnat Bharat Abhiyan activity on February 11, 2023 at GHS Ponda Goa .

Around 30 students and teachers, attended the presentation. Introduction to Cyber security, objectives and other real life scenarios were covered by Ms. Sweta .



She explained in detail about Cyber threats. Additionally, she covered the roles and responsibilities of cyber architect on recent trends in cyber security like Potential of Artificial Intelligence and Machine Learning, IOT and Cloud Security.

Many of the Professors and students got their doubts on the topic cleared. This sparked the students' curiosity in the topic of cybersecurity.

VIDNYAN DHARA 2023

As a part of Vidnyan Dhara 2023, the Goa State Higher Education Council and the Directorate of Higher Education in association with Science & Humanities Department and Civil Engineering Department organized an expert lecture on February 21,

The resource person was Dr. Amit Kumar, Project Scientist, National Centre for Polar and Ocean Research (NCPOR), Vasco, Goa.



The topic of the lecture was “Role of Seismology in the Earth Sciences”. Dr. Kala Nayak, Registrar and Head of Department of Science & Humanities introduced and welcomed the speaker.

Referring to the recent earthquake in Turkey and Syria, Dr. Amit said “Earthquakes cause immense loss of human life and property, and hence seismology, which is the study of earthquakes and seismic waves, can help in minimizing this loss”.

In his lecture, Dr. Amit explained the various types and causes of earthquakes and how these are studied using different techniques from various places on the earth. He also highlighted the studies done by NCPOR in the India Ocean using Ocean Bottom Seismometers (OBS).

Dr. Shwetha P., Head of Civil Engineering department

proposed the vote of thanks. The talk was attended by first and second year Civil Engineering students and faculty of the college. The event was coordinated by Mr. Harison Cota Science & Humanities) and Ms. Starina Dias (Civil Engineering).

Winners of Futsal at METEORA



Our students participated in Meteora – an event organised by Don Bosco College Panaji. This was held on February 23-24, 2023. Our College participated in Illogical Debate, Summer Snap, The Hot Chase, Brush and Blush Sun Seat and Steel, Sunny Sprint, Tug of War and Futsal. Students won 2nd place in The Hot Chase, 2nd place in Sun Seat and Steel and were the 1st place winner in Futsal.

IAF'S Induction Publicity Exhibition Vehicle (IPEV)

Our College played host to yet another successful event that involved the Indian Airforce (IAF) personnel along with the INDUCTION PUBLICITY EXHIBITION VEHICLE (IPEV). The event was held on the February 24, 2023.

The IAF officers were welcomed by Director - Rev Father Kinley D'Cruz, Principal - Dr. Neena Panandikar, Registrar - Dr. Kala Nayak and the coordinators Dr. Suraj Marathe, Prof Satyesh Kakodkar, Prof Mithil Parab and Prof Selvyn Fernandes. Group Captain - I K Kishor Kumar started off with a brief history of the IAF mentioning its role then and now. He ran-through the selection and career prospects of IAF. The main highlights of the talk being the career opportunities that IAF have to offer to aspiring candidates. He encouraged students to pursue such careers and also cleared a couple of misconceptions

that candidates have about taking up such careers. He said, "We are good, there maybe someone who is better, but we still continue to remain good which is enough to take the stride." In conclusion he advised all students to focus on the process and not the result.

The talk was followed by the main highlight of the day which was the Induction Publicity Exhibition Vehicle (IPEV). The majestic vehicle that acts as mobile exhibition on wheels, houses the main aspects related to the Indian Airforce. Set in a blue Volvo bus, that displayed the motto of the IAF "Touch the sky with Glory", was a wide-ranging assemblage of equipment right from miniature replicas of fighter crafts to advanced aircraft simulators with VR headsets. In the bus was also a mannequin that sported the flying clothing of the pilot of a fighter aircraft that explained the various uses it carries out during normal flights and emergency. Students and Faculty members of various schools and colleges in and around had the opportunity to visit the exhibition. All had the opportunity to operate the hands-on flight simulator for controlling an aircraft.

Speaking about this, the IAF is of the opinion that the IPEV would play an important role towards motivating students to join the force.



Students and faculty both had a very enriching experience by the end and praised the IAF for taking this initiative to create awareness and motivation for the younger generation.

Creators Connect by Mugafi

Directorate of Higher Education, Goa State Higher Education Council in association with Mugafi organized an event 'Creators Connect' on Monday,



February 27, 2023 at ESG, Panjim, Goa for the students of Goa.

This event showcased panel discussion by experienced writers and musicians, an overview of writing screenplays and songs, networking opportunities with professionals, and open mic event to stage talent before professionals and peers. It was attended by students and (Training Internship Placement) TIP Coordinators from colleges all over Goa.

This event provided a platform for musicians and writers to perform, and network with talented professionals. Mugafi promotes talented and creative community to build new content, build one's brand and make lifelong friends. It also gives a platform to the young talent to explore and launch content.

Bosco Medeira, Shannon D'Silva, Samarth Seth Marathe, Anand Kerkar, Shreyas Sinai Silimkhan from Third Year Engineering along with Avila Naik, TIP Coordinator attended the event. Samarth Seth Marathe performed in vocals in the open mic round.

Distinguished Professor Sangwon Yoon, Binghamton University, NY delivers a Talk at DBCE

(DBCE) organized its 2nd Lightning Talk Series in collaboration with the Binghamton University on March 2-3, 2023 at the campus for our students and students of Don Bosco College, Panjim. The speaker,



Dr. Sangwon Yoon, Professor, Department of Systems Science and Industrial Engineering, Binghamton University, State University of New York, USA delivered the talk on 'Introduction to Data Mining and Analytics'.

Prof. Yoon spoke about the origin of Artificial Intelligence, Machine Learning, Dark Ages of AI, Relevance of Probability and Statistics and Data Analytics, Regression, Optimization, Machine Learning, Artificial Neural Networks, Deep Learning, etc. He mentioned, "Keep the end goal in mind. Then move backwards and plan the path towards it." He highlighted the need to look out for problems in healthcare, sustainability, ecosystem, tourism, etc.

In the Q&A session, there were a lot of questions put forward by the students, and staff. Ms. Avila Naik, Liaison Officer – DBCE Binghamton thanked the management, staff, and students for participation and whole-hearted support towards this event.

Woman's Day

On March 8, 2023, our college celebrated International Women's Day with the theme "DigitALL: Innovation and technology for gender equality. The celebration started with an inspiring "Ode to Women" song video by Hindustan Times that aimed to encourage women to be their true selves. The video had an uplifting, celebratory, and joyful mood.

The Principal, Dr. Neena Panandikar, warmly welcomed everyone to the event. The minutes of Dhrishni, the women's cell of the college, were presented in a PowerPoint presentation by Secretary - Janhavi Naik, that showcased the year-round activities with photographs.

To add cheerfulness to the atmosphere, a video featuring male faculty and students speaking about the role of women was played. Some of the videos had a humorous element that brought smiles to the audience's face. The Director of DBCE, Rev. Fr. Kinley Dcruz, also addressed the gathering, followed by an enthralling performance by Asst. Prof. Shweta from the Department of Computer Engineering.



The event also included an online session on grooming and a presentation by Ms. Tarveen Kaur, the founder of Personify Attitude, an image consultant from Mumbai. This was followed by a rhythmic dance performance by Dr. Neena Panandikar and Prof. Vaishali Parakhi that brought in a lot of cheer. The students also performed a mime that highlighted various issues related to gender inequality that girls and women face, reminding everyone that societal norms need to change for the better.

Finally, the event's grand finale was a Zumba session led by certified Zumba instructor - Mr. Arafat Ahamed. It was an energetic session with the right beat and dance moves that transformed the aura of the group. The program was hosted by Counselor-Elaine Dias and Ms. Gauravi Kamat from the Third year- Department of Computer Engineering. The program was attended by all female faculty, teaching, non-teaching staff, women support staff and girl students from Third year and Final year of DBCE.

Consumer Outreach Programme conducted by the Telecom Regulatory Authority of India (TRAI)

A Consumer Outreach Programme was conducted by the Telecom Regulatory Authority of India (TRAI) at our College on March 14, 2023 in association with the Department of Science & Humanities, DBCE.

The event started with a broad overview of the programme by Mr. Manish Raghav, Joint Advisor, TRAI, Bengaluru. Dr. Neena Panandikar, Principal, DBCE welcomed the gathering and also expressed her gratitude to the TRAI for conducting the programme at DBCE. Rev. Fr. Kinley D'Cruz, Director, DBCE speaking on the occasion said "Consumer rights protection and consumer grievance redressal is important for any company to survive and grow".

He also highlighted the important role played by TRAI in the field of telecom regulation.

In the first session Shri Brajendra Kumar, Advisor, TRAI, Bengaluru delivered a talk on "Telecom Consumer Awareness". Speaking about TRAI he said "The mandate of TRAI is to safeguard the interests of both the consumers as well as the telecom service providers." He also spoke about many interesting topics including mobile number portability, cyber frauds, fear of tower radiation, etc.

The next session was on "Evolution of 5G Tech, Challenges and Roll out" by Col. (Retd) Kapil Handa, Principal Advisor, Digital Infrastructure Providers Association (DIPA), New Delhi. He enriched the audience with an engaging presentation on the evolution of Telecom services right from 1G to the currently launched 5G. He said "The telecom field has evolved very rapidly and India has always ensured that it is on par with the global technology growth." Key capabilities of 5G, the requirements of 5G networks and the associated challenges are some other topics on which he spoke. This was followed by a Q&A session.



The programme was attended by about 130 faculty and students of first year Computer Engineering and Electronics & Computer Science (ECS) of our college. Also present was Dr. Kala Nayak, Registrar and Head of Department of Science & Humanities, DBCE and Shri K. Chandra Choodan, Joint Advisor, TRAI, Bengaluru.

Representatives of telecom service providers Jio, Airtel, VI and BSNL, who also attended the programme, gave brief presentations about their telecom services.

Mr. Harison Cota, Asst. Prof., DBCE, proposed the vote of thanks. The programme was compered by Ms. Reaiah Fernandes, student of first year ECS.

DBCE emerges as overall Winners at K-OSS



Our students participated in K-OSS- organised by S. S. Dempo College, Bambolim. This was held on March 14-15, 2023. The students participated in Singing, Debate, Flag Painting, Photography, Cross Fit, Third-Degree, Cricket, Body Building, Group Dance, War of DJ's, Chef's Choice, Futsal, Mr. and Mrs K-OSS, Fashion Show, Reel Making, Road Safety Drive. The students bagged 1st place in Singing, 1st place in Debate, 3rd place in Flag Painting, 2nd place in Photography, 1st place in Group Dance, 2nd place in Chef's Choice, 3rd place in fashion Show, 3rd place in Reel Making and 3rd place in Road Safety Drive. DBCE emerged as the overall winners of the event.

DBCE secures 2nd place for Pitchers at Techfluence

Our students participated in Techfluence organised by Goa College of Engineering, Farmagudi. This event



was held on March 23-24, 2023. The students participated in Hackathon, Treasure Hunt, Quiz,

Lost in Code, Pitchers, Code ops, Clash Royale, winning 2nd place in Pitchers and 2nd place in Clash Royale.

Dr. Sibel Ahi, Alvernia University visits DBCE

Our college organized an interaction with Dr. Sibel Ahi, Director of International Student Recruitment, Alvernia University, and Mr. Aldridge D'Souza,

Trustee, Aldel Education Trust and Coordinator, Foreign Education Initiatives, ACCMI. The interaction was held with the Principal, Heads of the Departments, Training & Placement Team, and Students on Saturday, March 25, 2023 at the college campus.

Mr. Aldridge presented an overview of the tie-up between ACCMI institutes and PASSHE and its benefits for the Institutes in terms of study abroad, guest lectures, research, certification, and projects. Dr. Sibel spoke about Alvernia University at Reading, Pennsylvania, US and the courses offered for Undergraduate students and Alumni too with the main focus on MBA.



In the Q&A session, there were a lot of questions put forward by the students and staff. Ms. Avila Naik, SPOC, DBCE thanked everyone for participation and whole-hearted support towards the event.

Awareness Session on “NAAC Implementation”

The “NAAC Implementation” session was conducted on April 5, 2023 for the NAAC committee members at our College. The resource person for the session was Dr. Vidhya D S. The session began with a briefing on the Process of Accreditation and Assessment, Registration process, IIQA, briefly on seven Criteria, DVV process, Student Satisfaction Survey and Peer team Visit.

Dr. Vidhya D S mentioned, “it is very important that we evaluate the information that we provide in the form of documentation.” She further went on to explain the criteria and the key indicators along with Qualitative and Quantitative Metrics. The criteria members were informed that a subsequent meeting



will be held discussing each criteria extensively. The session ended with a Q&A session.

The session was attended by about 20 NAAC Committee members from Departments of Mechanical, Civil, Computer, ETC Engineering and Science & Humanities. Also present were Director - Fr. Kinley D'Cruz, Principal - Dr. Neena Panandikar, Head of Department of Science & Humanities- Dr. Kala Nayak, Head of Department of Civil Engineering- Dr. Shweta, Head of Department of Mechanical Engineering - Dr. Verekar, Head of Department of ECS/ETC - Dr. Vidhya and Head of Department of Computer Engineering- Dr. Guarang. The session was coordinated by Dr. Vidhya D S.

Session on POSH Act



Internal committee of Don Bosco College of Engineering in association with Gomantak Yin Goa organized a session on POSH (Prevention of Sexual Harassment) Act. The resource speaker was Advocate Sulekha

Shetye Kamat.

The Speaker mentioned about the POSH Act which stands for the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013. She also informed the audience that it is an Act to provide protection against sexual harassment of women at workplace and for the prevention and redressal of complaints of sexual harassment. She spoke about different types of sexual harassment: i) physical contact and advances; or (ii) a demand or request for sexual favours; or (iii) making sexually coloured remarks; or (iv) showing pornography; or (v) any other unwelcome physical, verbal or non-verbal conduct of sexual nature.

Advocate Kamat also spoke about the Prevention of sexual harassment, Constitution of Internal complaints, Composition, tenure and other terms and conditions of local committee, Complaint of

sexual harassment, Inquiry into complaint, Action during pendency of inquiry, and Punishment for false or malicious complaint and false evidence etc.

The session was excellent and very informative. The talk was attended by the first year students along with teaching and non-teaching faculty members. The session was coordinated by Dr. Shwetha Prasanna, Mrs. Manisha Fal Dessai, Mrs. Elaine Dias under the guidance of Director- Fr. Kinley D'Cruz and Principal- Dr. Neena Panandikar.

DEPARTMENT OF CIVIL ENGINEERING

Session on Catalyzing Quality Academic Research through NEP 2020

Research & Development (R & D) and IQAC Committee of our College organized a session on "Catalyzing Quality Academic Research through NEP 2020" for the faculty and staff members on February 14, 2023. Prof. Archana Thosar, Dean R and D, COEP Tech University was the resource person. Prof. Archana Thosar highlighted New Educational Policy which focuses on 5 pillars: Access, Equity, Quality, Affordability and Accountability. She spoke about Industry Institute Interaction, Industry Institute Collaboration, Industry Institute Partnership and Industry Institute Integration. She mentioned about Technology Readiness Level, Creativity and Innovation, various types of industry supported R and D, Multidisciplinary, Interdisciplinary, Transdisciplinary Approach, Governance, Research Ecosystem, Management Information System, Human Resources, Research Promotion & Guidance,



Integrity and Ethics, Research Thrust and Clustered Areas, Research Incentives and Recognition, Research Monitoring and Research Ecosystem. Director - Fr. Kinley D'Cruz and Principal - Dr. Neena Panandikar also attended the session. The session was coordinated by Dr. Shwetha Prasanna (R & D chairperson) and Ms. Kimberly Morais.

Bitumen Seminar



A bitumen seminar was held on February 23, 2023 at our college. The resource person Mr. Satish Kumar addressed the second year civil engineering students. The seminar was organized by India Oil corporation limited.

Mr. Satish Kumar briefly explained the production of Bitumen and its process and the Bitumen refineries present in India.

In all there were 33 students that were present. The seminar was coordinated by Prof. Starina Dias.

Total Station Workshop

The total station workshop was conducted on March 11, 2023 for final year civil engineering students. Resource persons for the total station workshop were Prof. Shruti Jambhale and Prof. Kaushik V. Pai Fondekar. Initially, the students were explained about the functioning and other features of the instrument and later they were taken to the field for survey using total station. Students were also given hands on training to use the instrument in the field.



Other features of the total station were demonstrated to the students.

Congratulations

Final year students Mr. Abhishek Kumar Jaiswal, Mr. Suraj Dharwadkar, Mr. Ganesh Masekar and Mr. Nandraj Naik of Department of Civil Engineering attended "Two day National level students technical feast *Vishwa Sangam* during March 13-14, 2023. The event was organized by Dr. M. S. Sheshgiri College of Engineering and Technology in association with K.L.E. Dr. MSSCET AICTE Idea lab.

Mr. Abhishek Kumar Jaiswal and Mr. Suraj Dharwadkar secured 2nd place in Bridge Modeling and Cad Clash (AutoCAD). The students won the overall championship (3rd Place) among 16 teams.

DEPARTMENT OF MECHANICAL ENGINEERING

Prof. Saurabh Raikar delivered a talk at Loyola High School



Prof. Saurabh Raikar from the Mechanical Department was invited to deliver a session by Directorate of Higher Education, Goa as a part of 'Vidnyan Dhara' a mega science series programme on 10th February 2023. The session was held for the students of Loyola High School, Margao. The topic for the session was 'Transition from Non Renewable to Renewable Energy Resources'. Around 100 students attended the program.

The session began with introduction to the non-renewable energy resources, its types, power generation and its effects. Then the emerging forms of renewable energy were explained along with the initiatives taken by the government and other

organisations in renewable energy. The session ended with a take away message of what small things we as individuals can do in our daily lives in conservation of energy. The students of the school were very interactive and enthusiastic throughout the session.

SDA Electricity Dept, Government of Goa, Talk on ECBC, DSM and Star Labelling



The Department of Mechanical Engineering, in association with ISHRAE DBCE Students Chapter and in collaboration with the State Designated Agency, Electricity Department, Government of Goa, organised a talk on Energy conservation in Buildings with focus on Demand Side Management (DSM), Energy Conservation Building Codes (ECBC) and Star Rating of Appliances on February 20, 2023. The program was organised in view of building awareness about the latest policies and best practices towards sustainable development and energy security.

The resource person for the talk was Mr Sachin Deshpande, a BEE certified Energy Auditor with over 27 years of experience running multiple businesses while having national & International consultancy experience in Development, Deployment, management and financing of various projects in Energy Efficiency, Clean Energy and Sustainability with the government as well as in the private sector, providing services such as Detailed Energy Audits, PAT Audits, Carbon Footprinting and Sustainability, Electrical Safety Audits, Water Audits and Clean Energy solutions Sustainability across the sectors such as Thermal Power Plant, Iron and Steel, Textile, DISCOMS, Hotels and Commercial Buildings, Pharmaceuticals, Pulp & Paper, Cement, Refineries, Chemical, etc.

The event started with the felicitation of the guest speaker. Thereafter, the keynote speaker Mr. Sachin Deshpande set and explained the objectives and goals of the workshop. "Energy Security is one of the most critical aspect for any developing economy." said Mr Deshpande, highlighting the recent global events of Geo political conflicts and healthcare and economic disruptions induced by pandemic and its repercussion and subsequent energy crisis. The speaker reflected his profound knowledge on the topic and highlighted how important it is to conserve electrical energy. He demonstrated the effects of Building Envelope, Heating Ventilation and Air Conditioning, Service Water Heating and Electric Power and Distribution. The resource person also exhibited the possible steps that can be undertaken at the personal level to reduce consumption of electricity. It was followed by another topic on the policies and guidelines under The Energy Conservation Building Code (ECBC). The speaker also threw light on the star labelling policy by Bureau of Energy Efficiency for domestic appliances. With a couple of case studies of domestic appliances of different star ratings, the cost benefit analysis was drawn to show the energy and cost savings over a life of the appliance.

The talk was attended by 80 students from Department of Mechanical Engineering and Department of Civil Engineering.

One Day Workshop on Industrial Safety

The Department of Mechanical Engineering in association with Fire & Security Association of India - DBCE Chapter jointly organized a one day workshop



on “Industry Safety” for the students of the institution on February 25, 2023. The keynote speakers were Mr. Suhas Naik (Chief OSH Consultant) and Mr. Jovito Lopez (Secretary General of St. John Ambulance, Goa). Around 79 students participated in the workshop.

The first session by Mr. Suhas Naik was on “Basic Industrial Safety and Hazards”. The speaker acquainted the students with the objectives and goals of the workshop. The resource person reflected his profound knowledge on the topic and highlighted how important it is to be aware about various industry hazards and how to take safety precautions. His presentation thoroughly explained how safety came into picture and quoted “Carefulness costs you nothing. Carelessness may cost you your life”. The speaker also exhibited the possible steps that can be undertaken at personal level to employ safety measures in workplace. He also shared the basic need and importance of legal requirements at an industrial level. The speaker explicitly stated “Safety is a small investment for a rich future”. Overall, the first session was well received by the students.

The second session by Mr Jovito Lopez was on First Aid. The resource person informed the students about International first aid course (LIFAC). He firmly stated the various merits of healthy food eating habits. He then later presented a demonstration of CPR also making students aware about its importance. The immense enthusiasm and zeal in the students to learn was the main driving factor of the session. An interactive concourse ignited the inquisitiveness of participants. The coordinator of the workshop was Prof. Saurabh Raikar. The organizing committee members were Mr. Aadarsh Chodankar, Mr. Akshay M. Naik, Mr. Arkan Mulla, Mr. Koushik Varma, Mr. Rollan Fernandes, Mr. Shubhang Adpaikar, Mr. Sifan Sayed and Tejas Shirodkar.

Technical Talk on Maintenance of HVAC Equipment (Audit Course in Maintenance Engineering)

The Department of Mechanical Engineering conducted a Technical Talk on Maintenance of HVAC Equipment's on March 15, 2023. The session was held as a part of Audit Course in Maintenance Engineering

for Third year students of Mechanical Department. The session was delivered by Mr. Prakash Naik, Past President, ISHRAE Goa Chapter and Retired Officer from Goa Shipyard Ltd.

Asst. Prof. Swapnil Ramani, (Co-ordinator) welcomed the student participants and introduced the audit course for the academic year 2022-2023. He also outlined the major activities that will be carried out during the course and explained the benefits of the same.

Mr. Prakash explained about the different types of HVAC systems. Various components of split AC, package AC, Precision AC units, Centre Plant, Vapour Refrigeration cycle were also briefly discussed.

He also provided insights on the need for Maintenance and various techniques; namely; Predictive, Preventive & Corrective techniques in maintenance engineering and they were explained in detail. He also emphasized the requirement of maintaining a log book and said “It is a health chart of a machine or component”.

He further explained the major problems that occur in refrigeration / cooling systems and briefed about the troubleshooting of the same. He also elucidated the different controlling systems related to HVAC & RAC system. He then briefed about Indoor Air Quality (IAQ) audit guidelines as given by various bodies like AHSRAE, OSHA etc.

The Audit Course session was organized by the coordinators, Mr Swapnil Ramani (Asst. Prof – Mechanical), Mr. Sharad Shanbhag (Asst. Prof – Mechanical) and Mr. Joyston Menezes (Lab Asst – Mechanical). The session was attended by the students and staff of Mechanical Department.

Industrial Visit to Yaskawa India Pvt. Ltd and Hindustan Coca-Cola Beverages Pvt. Ltd (HCCB)

The Department of Mechanical Engineering organised an Industrial tour to Bengaluru from March 17-24, 2023. A group of Mechanical Engineering students accompanied by Asst. Prof. Sharad M Shanbhag and Ms. Mancia Lobo - Counsellor went on



an industrial tour to Yaskawa India Pvt Ltd, and Hindustan Coca-Cola Beverages Pvt.Ltd (HCCB), plants in Bengaluru. The purpose of this tour was to provide students with an opportunity to observe and understand the practical aspects of mechanical engineering in a manufacturing environment.

Visit to Yaskawa India Pvt. Ltd: Yaskawa is a leading manufacturer of industrial robots and automation systems. It is at the forefront of technological innovation in the automation industry. The company's products are designed to be highly adaptable and versatile, with advanced features such as predictive maintenance, remote monitoring, and AI-based analytics. During the visit, the students were given a detailed presentation on the history of the company and its various products by Mr. Guruprasad Raju, Senior Manager-Marketing and Promotions. The tour started with a visit to the production floor where the students observed the assembly lines, robotic systems, and other manufacturing processes. They also had the opportunity to speak with the company's engineers and managers, who provided them with a detailed explanation of the company's operations. The students observed the working of robots and Collaborative robot and their testing process. The factory was highly automated, with robotic arms performing most of the assembly work. Safety is a top priority for Yaskawa India Pvt Ltd, and the company has implemented a range of safety measures to protect its workers and equipment. Students observed safety barriers, protective clothing, and warning signs throughout the facility, and were impressed by the emphasis on safety in all aspects of the company's operations.

Field Visit to Goa Dairy Plant

On April 11, 2023, the Department of Mechanical

Engineering organized a field visit to Goa Dairy Plant for the BE Mech-II students. The visit aimed to provide practical knowledge and exposure to the students about the manufacturing and processing of dairy products. Goa Dairy Plant is a cooperative dairy plant, located in Curti, Ponda, Goa.

The students were accompanied by three staff members, Dr. Suraj Marathe, Asst. Prof Sharad Shanbhag and Mr. Dattaguru. They were welcomed by the officials and given a brief introduction about the plant's history, functions, and products. The students were assigned a guide to show them around the plant. The guide took the students through the plant and explained the processes involved in the processing of milk and milk products. The tour started with the milk reception area, where the raw milk is collected from the dairy farmers. Next, the students were taken to the milk processing unit, where they were able to observe the different stages of milk processing such as homogenization, separation, and standardization. After the milk processing unit, the students were taken to the packaging unit, where they saw the different types of packaging used for different products.

The field visit to Goa Dairy Plant was an excellent opportunity for the BE Mech students to understand the practical aspects of dairy processing and manufacturing. The visit provided an insight into the plant's operations and the different stages involved in the processing of milk and milk products. 46 students from BE Mech-II attended this visit. The visit was organised by Asst. Prof Sharad Shanbhag and Mr. Yash Phaldesai, Class representative of BE Mech-II.

Field Visit to Sanofi Goa Development Center for TE MECH under Audit Course in Maintenance Engineering

On April 12, 2023, students of Third Year Mechanical Engineering visited Sanofi Goa Development Center as part of the Audit Course in Maintenance Engineering. Students were accompanied by the mechanical engineering staff members Dr. Pravin Verekar, Dr. Suraj Marathe, Asst. Prof. Swapnil Ramani, Asst. Prof. Sharad Shanbhag and Mr. Dattaguru Sawardekar.

The visit was organized by Mr. Prasad Adpaikar, Manager Engineering & Operations. The visit started with a presentation by Mr. Prasad Adpaikar, which covered the overview of Sanofi, various machines, utilities in the plant, most importantly the role of engineers in pharmaceutical industries. The different types of maintenance engineering practices followed in pharma industry were also addressed. The plant engineers also gave a presentation on water purification system and the calibration tools and techniques. After the session, the students were taken to the utilities section wherein the working of Chillers, Boilers, Diesel Generators and their maintenance was explained. During the visit, students were able to see the newly installed 1800KW solar panel. They were shown the monitoring system, which tracks the panel's performance, energy produced, and carbon emissions saved. The panels are capable of generating enough energy to power the entire facility on sunny days.

Overall, the visit to Sanofi Goa Development Center was informative, and the students and staff learnt a lot about the company's activities and commitment to healthcare. The visit was coordinated by Asst. Prof. Swapnil Ramani.

Ignitron 2023

“IGNITRON 2023”, a one day event was organized by the Mechanical Engineering Students Hub of our College on April 20 2023. It was inaugurated by Chief Guest -Mr. Atul P Naik, CEO M/s Precitech Components, other Dignitaries present were Fr. Kinley D'Cruz - Director, Dr Neena Panandikar - Principal, Dr Pravin Verekar – Head of Department - Mechanical Engineering, and Mr Koushik Varma - MESH Chairman.

Fr. Kinley D'Cruz praised the department for organising many activities and also motivated students to learn from failures. Mr Bosco - MESH Secretary briefed the audience about MESH events and about IGNITRON 2023. Dr Pravin Verekar, welcomed the gathering. Dr Neena Panadikar congratulated the MESH committee for organising various events and workshops conducted by the



Department of Mechanical Engineering. Mr Atul Naik who was also the Keynote speaker of the event spoke about the scope of Mechanical Engineering and the fields in which the mechanical engineers have excelled especially in the Aerospace domain. He also talked about the recent trends and changes happening in the Mechanical engineering domain. Mr. Koushik Verma proposed the Vote of Thanks.

The events organised during the events were a competition on SolidWorks Software where the student had to model the given part on the software in minimum amount of time. A Technical Quiz was also organised by the students. All the events saw great response from the students.

The event was coordinated by Prof Suraj Marathe , Prof Sanjeel Naik, and the entire MESH Team.

Field Visit To Netzsch Pumps

The students of fourth semester Department of Mechanical Engineering visited Netzsch Pumps, Verna Industrial Estate on April 20, 2023 in order to understand the factory setup manufacturing pumps. The 44 students were accompanied by Prof. Pravin Verekar and Prof. Chetan Gaonkar. The company manufactures screw pumps, rotary lobe pumps and peristaltic pumps.

The students and the faculty were welcomed by Ms. Raileen Rego, Assistant Manager - HR & Admin. Ms. Rego explained to the students about the company products. The students were shown presentations on the history of the company and on the safety protocols that are required to be followed during the field visit.

After proper briefing, the students were divided into two groups; they were taken around the factory by

company engineers, Mr. Somnath Surlakar - Production Department and Mr. Vishwaraj - Design Department. The engineers explained to the students the manufacturing process, the quality control measures, and packaging operations. Students also had the opportunity to speak with the company engineers, who provided them with a detailed explanation of the company's operations and practices. Students observed the state-of-the-art equipment and advanced manufacturing techniques used to produce a range of pumps. The students were able to learn and understand how the company plant operated from start to finish and gained insight into their work model and the various products that they as a company provide in the market.

The industrial visit was a great learning experience for all the students. Students gained an understanding of how mechanical engineering principles are applied in real-life manufacturing environments. They also learnt about the importance of proper storage and how it can improve efficiency and productivity in a manufacturing environment.

The students were impressed by the level of quality control measures taken by Netzsch Pumps to ensure that their products meet the highest standards. The tour provided the students with a new perspective on the practical applications of mechanical engineering and inspired them to pursue careers in this field.

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Session on Introduction to AI & ML under Vidnyan Dhara 2023

As a part of the National Science Day celebration, Goa State Higher Education Council and the Directorate of Higher Education organised a "Vidnyan Dhara 2023" - a mega science series to celebrate National Science Day 2023. In view of the

same, a talk was organised at Rosary Higher Secondary School, Navelim on February 6, 2023. The resource person for the talk was Dr. Shreyas Simu, Assistant Professor, ECS Department at Don Bosco College of Engineering, Fatorda. Dr. Simu educated the students on the topic- "Introduction to Artificial Intelligence and Machine Learning". A total of 140 students from Science and Art streams were in attendance.

The highlights of the talk included: Approaches to AI, Turing test, Strong and weak AI, Machine Learning structure and Applications, Machine Learning Algorithms, Signal and Image processing Applications, Robotics and Computer Vision. The speaker emphasized on the role of machine learning to solve complex problems. He mentioned "Basic mathematics like linear algebra and trigonometry are very useful in solving complex problems".



The session was very interactive as there was a continuous exchange of ideas. The talk was very resourceful in terms of gaining knowledge, ideas and an insight into different AI applications, thereby, awakening the need to use it effectively and to be innovative. Alirio Silveira Souza, student from 12th Science provided feedback on the talk and expressed his views on the topic. The session concluded with Q&A session.

Vidnyan Dhara Session on "Electronics Simulation using TinkerCAD Circuits"

As a part of 'Vidnyan Dhara' - a mega science series programme by Directorate of Higher Education, Goa, Prof. Yeshudas Muttu delivered a session on "Electronics Simulation using TinkerCAD Circuits" at Bhatikar Model High School, Margao on February 8, 2023. The workshop was aimed at providing students

with an opportunity to design and simulate circuits without needing physical components.

Prof. Yeshudas Muttu began the session by providing real-life examples to introduce the concept of simulation. He then delved into the distinction between hardware and software, and elaborated on the significance of software in the field of electronics. Additionally, he introduced a range of electronics simulators to the students and highlighted the benefits of using TinkerCAD, particularly for beginners.

As the session continued, IEEE student member, Mr. Benson Fernandes provided a brief overview of the TinkerCad platform. He explained that the platform is a web-based tool that allows users to design, simulate and prototype circuits without the need for physical components. He also demonstrated how to navigate the platform and access its various features. To emphasize the significance of the TinkerCad platform, several everyday circuits were simulated. The workshop was a valuable addition to the students' educational journey, and it provided them with a practical and relevant skillset that they can apply in the future.

Vidnyan Dhara

The Directorate of Higher Education (DHE) and Goa State Higher Education Council (GSHEC) organized "Vidnyan Dhara", a mega science series programme from January 12 – February 28, 2023. A total of 250 events in the form of lectures, demonstration, exhibitions, public lecture etc. are being organized at Goa University, Colleges, Higher Secondary and High Schools. The uniqueness of this event is to energise a multidisciplinary education approach amongst the faculty and students in Goa. Hence, the students from various Schools and Higher Secondary Schools will be participating in the lecture session.

On behalf of "Goa State Higher Education Council (GSHEC)", Prof. Mohini Naik was invited as a Resource Person to deliver a talk on 'satellite communication: development of Ground station'.

The talk was held at the Presentation Higher

Secondary School on February 6, 2023 and was attended by over 130 students from 11th and 12th science stream. Prof. Mohini Naik started the session with the introduction to the basic concept of communication and its applications. She also demonstrated on tracking the satellites and receiving satellite signals and thereby converting it into the image. She also explained the ISS (International space station) and life on ISS for Astronauts. The talk received a wonderful feedback and students learnt some new concepts.

IEEE DBCE SB Organizes an Educational Tour to Kerala

Under the guidance of the IEEE Branch Counselor, Prof. Yeshudas Muttu, the IEEE student branch of our College organized an educational tour to Kerala exclusively for the IEEE Student members from 14th to 19th February 2023. A total of 90 IEEE student members along with 4 Faculty members, Prof. Yeshudas Muttu, Prof. Deron Rodrigues, Prof. Trima Fizado and Prof. Vidhya D.S. visited various industries in Kerala including – IroHub Pvt. Ltd, Asaies Pvt. Ltd, CUSAT University and IPCS.

The highlights of the visit were as follows:

On February 15, 2023 the students visited the office of iROHUB Infotech which is an internship and training institute that offers training expertise in IOS and Android Application Development while also providing hands on experience via live projects for candidates to improve their knowledge in the most premium segments in the Software Industry.

On February 16, 2023 the students visited IPSC global

industry located in Kochi, Kerala which offers perfect solutions to a vast array of industries including software, marine, construction engineering while also



providing core products such as HMI systems, PLC's and SCADA systems.

Later in the day, the students visited Cochin University of Science and Technology (CUSAT) which is a public university located in Kochi, Kerala which eventually turned out to be the highlight of the entire educational tour. The students were then escorted to the Microwave Propagation Research Lab where they were enlightened about Radar Cross Section techniques followed by a visit to the Research in electromagnets and antennas Lab where they were explained about the working of antennas as well as the uses of nano-materials. Further, the students visited the VLSI lab where they were introduced to circuit design and the constituents of integrated circuits. The next lab to be visited was the AI and robotics lab wherein the students were made aware about Robot Operating Systems for various advancements while also providing cross platform support.

On February 17, 2023 The IEEE council visited Asaies Automation Private Limited, based in Kochi, India which focused on providing industrial electronics and automation solutions primarily to the printing industry. All in all, it was a great learning experience for all the students as well as the faculty members inculcating team spirit, leadership and networking.

Workshop on Robotics

The e-Yantra Robotics Faculty Team of Department of Electronics & Computer Science Engineering- ECS (formerly known as Electronics & Telecommunication Department- ETC) organized a Workshop on Robotics for the Robotics Team on February 25, 2023. The purpose of the Workshop was to spread education in Robotics, so as to help students to participate for Technical Events and Competitions related to Robotics.

The resource persons for the workshop were Mr. Gilferd Gonsalves, Mr. Maynard Gomes and Ms. Simmi Mhapsekar. The workshop was conducted in the Embedded Systems Lab and saw the participation of 20 students from FE ECS and SE and TE ETC.



The workshop started with a briefing from Prof. Flavia Leitao, on the various opportunities that the students are expected to seize from the various robotics competitions which will be held in the upcoming semester and therefore be prepared for the same.

The participants were then divided into three teams, in which one team concentrated on building the Line Follower bot, the second team the Robo-Soccer bot and third team was completely dedicated towards the software.

The Hardware team led by Mr. Gilferd Gonsalves, started off with building the Line follower and the Robo-Soccer. The chassis was designed and cut on the laser cutter. A brain storming session between the hardware team helped in identifying the different motors and other parts required. The students had a great learning experience assembling, drilling and soldering all the parts together for the bot.

The Software team led by Mr. Maynard Gomes began working on the Line Follower code and looked into the different possibilities that needed to be taken care of. They had quite a few challenges when it came to coding the different possibilities, but later on figured it out with the expertise of the senior members of the team. They divided their task and worked in smaller groups and finally cracked the entire logic.

Finally the hardware and the software teams integrated their work to test the working of the two Bots. The Robo Soccer worked smoothly but the Line follower still offered some challenges that the team as a whole tried to get it working.

In the end, the team discussed about the different robotics competitions in which they could participate which would eventually help them to get better exposure of the trends on Robotics. They discussed their plan of action for the coming semester and the different opportunities that they would need to look at to get better on their Robotics skills. The students had a great time learning while doing the Robots.

Prof. Mohini Naik was invited as the Chief Guest

Prof. Mohini Naik was invited as the chief guest for the inaugural of



the newly formed science club by The Kings High school Margao on March 3, 2023. On this occasion,

Prof. Mohini Naik delivered talk on satellite communication. The talk was attended by the students from 7th to 10th std.

Prof. Mohini Naik appreciated the efforts taken by the teachers and students core team to start the science club in the school premises. She mentioned that science is present in our everyday life, the only thing is we don't notice it. When we carefully notice things happening around us, we should read about it, discuss about it and finally put it in terms of experiments so that others can learn from it.

She began the session with the introduction to the basic concept of communication. She also demonstrated on tracking the satellites and receiving satellite signals and thereby converting it into the image. She also introduced the ISS (International space station) and life on ISS for Astronauts. The talk received a wonderful feedback and students learnt some new concepts.

Robotics Team participation in Technical Event “Resonance”

The Robotics team under the guidance of Prof. Flavia

Leitao, participated for their first technical Event “Resonance”, held in Goa College of Engineering on March 16-17,



2023. As soon as the event details were out, the Robotics team was all excited and exhilarated to perform for their first ever event and experience the world of Robotics.

The students participated for the Event with two Line Follower Robots and one Robo Soccer, with a team size of four members in each team. Here the Robot follows the black Line and the one that overcomes all obstacles in the shortest amount of time wins the competition. The Line Follower Bots did not make it to round 2 but that did not demotivate the team and they quickly focused on their next event which was the Robo Soccer.

On March 17, 2023, the team competed in Robo soccer. The Robo Soccer was to score as many goals as possible in a 10-minute match consisting of 5 minutes at halftime. In the first round, the DBCE Robotics team scored eight goals against the opponent and won the first round. The Judges as well as the other students were astounded seeing the robot and its overall performance. The crowd joined in to cheer the DBCE Robotics Team and was amazed at how well engineered and well-built the robot was. Advancing to the semi-final round, the DBCE Robotics team put up a good fight but lost by one goal to an opponent team.

After losing the semi-finals the team watched the remaining events closely and learnt new strategies and techniques that the other participants used and adopted. The team spirit and coordination seen amongst the team members was commendable. Despite the fact that the team did not make it for the Finals, the experience was memorable. The competition was so much fun, and everyone was elated and energized, and were already geared up and making plans for the next event.

Introduction to Cryptography

A Talk titled “Introduction to Cryptography” was conducted for second year Electronics and Telecommunication Engineering students in association with DBEATS on March 25, 2023. The talk was delivered by Asst. Prof. Trima P. Fernandes e Fizardo.

Nowadays, in the world of internet, security has become very important. The session enlightened the students about the various aspects of Cryptography and Network Security. The students showed keen interest and enthusiasm and the session concluded with a discussion on the topic.

Field visit at NIO

The Department of Electronics and Telecommunication Engineering under DBEATS (DON BOSCO ELECTRONICS AND TELECOMMUNICATION SOCIETY) organised a field trip on April 20, 2023.

The group of students who were accompanied by Prof. Michelle Viegas-DBEATS Coordinator went on an industrial field trip to NIO (NATIONAL INSTITUTE OF OCEANOGRAPHY), Goa. The purpose of this field visit was to understand the practical aspect of Engineering in Oceanography.

The National Institute of Oceanography, founded on January 1, 1966 as one of the 38 constituent laboratories of CSIR, is a self governing research organisation in India that conducts scientific research and studies on the unique Oceanographic features of the Northern Indian ocean.

It started with a detailed presentation on the History, Research, Contribution and Services. NIO researchers have undertaken a number of projects in service of the industry. One of the first projects taken up by NIO on acquiring its Research vessel RV Gaveshani was demarcation of a pipeline for carrying oil from India's first offshore oil field at Bombay High. Thereafter, the students also got an opportunity to interact with the company's engineers and managers, who provided a detailed explanation on

the robots used underwater for multiple applications.

Mr. Anand Lokapurkar explained about the Autonomous Vertical Profiler (AVM) which belongs to the class of propelled robot vehicles that traverse the water column vertically. The AVP has an ability to dive into the water and hover at the defined points autonomously. The robot is portable, easy to operate and very useful for rapid and time series profiling. It runs on rechargeable batteries and eco friendly material is used for construction.

Mr. Prenner explained about the robot Coral Bot, which is a fully autonomous robot with pre-programmed mission and multiple applications like seabed photography, underwater pipeline inspection, harbour surveillance, ocean research and water quality studies.

The industrial visit was a great learning experience for all of the students who gained an understanding of how Engineering principles are applied in Oceanography and its importance.

DEPARTMENT OF COMPUTER ENGINEERING

A talk on 'World of Artificial Intelligence' under Vidnyan Dhara 2023

A talk on 'World of Artificial Intelligence' was delivered by Prof. Amey Kerkar, Assistant Professor, under Vidnyan Dhara 2023, a mega science series programme on February 7, 2023 at Mahila Nutan English High School, Margao.

The series was organized by the Goa State Higher Education Council (GSHEC) and the Directorate of Higher Education (DHE).

The talk was attended by 235 students of Std 8th and 9th along with 15 teachers. Mr. Kerkar introduced topics like Human Intelligence, Artificial Intelligence, Turing test, ChatGPT etc.

He further explained the advantages of ChatGPT. He also mentioned about the uses of Pencil Diffusion, Stable Diffusion etc.

The talk cleared many doubts of the students and the teachers. This inculcated an interest in the minds of the students towards the field of Artificial Intelligence.

Awareness on Cyber Crime

DBCE ACM Student Chapter and Unnat Bharat Abhiyan committee delivered a session on awareness in “Cyber Crime” for the students of Government

High School - Ponda Goa on February 20, 2023. Dr. Gaurang S Patkar, Associate Professor,



Computer Engineering, of our College was the Resource Speaker. He addressed the issue of strategic prevention of cybercrime with the key focus on the measures to prevent cybercrime related to children and teenagers. The primary tool for such prevention is undoubtedly education aimed at establishing greater awareness and knowledge regarding illegal Internet content and cybercrime among children and teenagers, as well as parents and educators.

Field trip to IoT OpenLab at STPI (Software Technology Parks of India) and Visvesvaraya Industrial & Technological Museum Bangalore

Field trip to IoT OpenLab at STPI (Software Technology Parks of India) and Visvesvaraya Industrial & Technological Museum Bangalore was arranged for the students of final year computer engineering branch from February 23-26, 2023. Students were accompanied by Mr. Amey Tilve and Ms. Janhavi Naik.

On February 24, 2023, the students visited Visvesvaraya Industrial & Technological Museum, Bangalore where they got an opportunity to learn

about the various aspects of science and technology through exhibits, interactive displays, and demonstrations. The students were taken on a guided tour of the museum and were shown exhibits related to various fields such as electricity, electronics, space technology, and aviation. They all were also able to watch the 3D show for 20 minutes. The students were able to interact with the exhibits and understand the principles behind them.

Post Lunch, the students were taken to the Software Technology Park of India (STPI), which is an organization established by the Government of India to promote the software industry in the country.

Next, the students were given a tour of the IoT openaccess lab, where they do all the tests related to IoT products. The STPI staff explained many pieces of equipment, including voltage simulators, oscilloscopes, smart meters, etc. The students were shown how these devices work and how they are used to test IoT products.

Overall, the industrial visit was very informative. The visit provided the students with an opportunity to observe and understand the practical application of concepts learnt in classrooms. The students were able to learn about the latest technologies and initiatives taken by the government to promote the software industry in India, especially in the IoT domain. The visit was successful in achieving its objectives and was appreciated by the students and faculty. Faculty Co-ordinator for Industrial visit was Mrs. Manisha Fal Dessai.

3-D Printing practical workshop



C-CODES, in association with Department of Computer Engineering and Alumni Committee, Don Bosco College of Engineering, Fatorda had organized a hands-on 3-D Printing practical workshop on March 20, 2023. The session was attended by S.E. and T.E. computer students.

The session began with a welcome address by Prof. Merwyn D'Souza. The session was addressed by Mr. Rajdutt Kenkre (DBCE Alumni – 2018 batch and working at Goa state innovation council). It started with the explanation of tinkercad, an online platform for designing. The session was very interesting and provided lots of information. Mr Rajdutt said that “3D printing turns digital files into physical objects by building them layer-by-layer.

What set this session apart from other workshops is that the students designed the models and 3D-printed them on a 3D printer themselves!

Internet of Things (IoT) – The Next Best Leap in Technology

On March 25, 2023, the Department of Computer Engineering organized a workshop on Internet of Things (IoT). The guest speaker for the day was Mr. Kapil Nair, Chief Technical Officer (CTO) of Conexao Technology Solutions (CTS), Panjim – Goa. He was accompanied by his colleague, Mr. Somesh Narvekar, Sr. Software Engineer at CTS.

The target audience for this workshop included students from BE Computer Engineering. *“Everything can communicate, from mundane household items to a smart watch broadcasting details about one's fitness routine – all we need to do is listen”* says Mr. Kapil Nair about this seemingly big IoT evolution.

During the workshop, students were introduced to LoRaWAN IoT Access technology. Mr. Somesh Narvekar showed them how to connect sensors to a LoRaWAN gateway and write a simple program to access the temperature of the room.

The workshop was coordinated by Asst. Prof. Christina Barretto and Asst. Prof. Sweta Morajkar.

Vy Talks - A Prelude to Goa Avinya

Vy Talks was a one-hour session held on April 11, 2023 at our College. The session was moderated by Sonam Bhagat, Founder & CEO of Vygr. The key speaker and lead panellist was Gauri Kuchhal, Principal at Artha Venture Fund. The panel also featured student entrepreneur panellists from the college itself who have started their own startups, or are in the process. The session commenced with Sonam Bhagat leading a discussion with Gauri Kuchhal, focusing on investment in student entrepreneur-led businesses, the significance of an IIT/IIM degree, the typical process for a young startup to seek funding, reasons for startup failure, and business pivots.

The session also included a discussion with the student entrepreneur panellists, focusing on their projects, exploring non-tech startup ideas, innovation in India, focusing on diversity, inclusion, sustainable development, and responsible consumption, and setting up businesses in India or abroad.

During the discussion, Gauri Kuchhal shared her insights and experiences as a Principal at Artha Venture Fund. She emphasized that investing in a student entrepreneur-led business depends on the idea, execution, and the team behind it. While an IIT/IIM degree may be a plus, it is not mandatory for her as a VC. She outlined the typical process for young startups to seek funding, stating that a well-defined idea and execution plan are crucial. She also highlighted the common reasons for startup failure, which include lack of market understanding, poor management, and lack of funding.

The student entrepreneur panellists shared their projects and why they were serious about their ideas. They also discussed non-tech startup ideas and the need for innovation in India. They emphasized the importance of diversity, inclusion, sustainable development, and responsible consumption in their business models. They discussed the advantages and disadvantages of setting up businesses in India or abroad.

In conclusion, Vy Talks was an excellent platform for

the student entrepreneur panellists to showcase their ideas and receive feedback from Gauri Kuchhal. The session provided valuable insights into the investment process for young startups, reasons for startup failure, and the importance of diversity, inclusion, sustainable development, and responsible consumption. The session was a prelude to Goa Avinya, which promises to be an exciting event for entrepreneurs and investors alike.

ACM DBCE Organizes an Educational Tour to Jaipur

The Department of Computer Engineering of our College has organized an educational tour to Jaipur exclusively for the ACM (Association for Computing Machinery) Student members from April 13-16, 2023. A total of 19 ACM student members along with 2 Faculty members, Dr. Gaurang S Patkar and Prof. Manisha Fal Dessai visited various industries / startups in Jaipur including – ALogistics, University of Rajasthan, World Trade Park and Marble Association of India, Kishangarh.

The trip was a great learning experience for all the students as well as the faculty members inculcating in each of the team spirit, leadership and networking.

Preliminary round of Big Idea Competition at DBCE organized by GCCI

On April 20, 2023, the Goa Chamber of Commerce and Industry (GCCI) organized a Big Idea Competition at our College. The event was aimed at promoting innovation and entrepreneurship among the college students by encouraging them to pitch their ideas for solving real-world problems. The competition was judged by Thejus Joseph, COO of FiiRE, and Sunaya Shirodkar, Founder, Asier Solutions, a prominent businesswoman.

The event was attended by eight teams of college students who presented their ideas. Each team was given five minutes to present their idea, followed by a three-minute Q&A session with the judges. The participants were judged based on various criteria such as presentation skills, originality of the idea, clarity of thought, planning, and research.

Out of the eight teams, only two were selected for the finals. Team Neural Kisaan headed by Sai Rane & Team Standard Integrated scanner modules for manufacturing Industries headed by Nishil Hoggar were declared as winners. The judges were impressed with the quality of the presentations and the innovative ideas presented by the participants. The winning teams will receive an opportunity to pitch their ideas to potential investors.

Overall, the Big Idea Competition was a successful event that provided a platform for college students to showcase their creativity and problem-solving skills. The competition not only encouraged innovation but also provided an opportunity for the participants to interact with experienced judges who provided valuable feedback on their ideas.

Coverage of AVINYA GAN Event by VYGR Crew & ECell members of DBCE

The AVINYA GAN (Goa angel Network) event was attended by prominent women entrepreneurs, angel investors, venture capitalists, incubation centre managers, and others related to entrepreneurship and startups. The event comprised several activities, including panel discussions, speaker sessions, and pitching of ideas.

The event began with panel discussions led by Mahavirpratap Singh and other distinguished personalities. The discussions revolved around entrepreneurship, startups, and the challenges faced by women in this field. The panelists shared their insights and experiences, providing valuable information for the audience.

The event featured several women entrepreneurs who spoke about their journey, companies, and the difficulties they faced. The sessions were inspiring and motivational, with the speakers sharing their



struggles and triumphs. The sessions provided a glimpse into the entrepreneurial journey and offered insights into the industry.

The event also featured a session where entrepreneurs pitched their ideas and quoted their ask. This session provided a platform for entrepreneurs to showcase their ideas and receive feedback from investors and industry experts. The session was an excellent opportunity for budding entrepreneurs to get exposure and connect with potential investors.

Team VYGR (name chosen by team based on their initials) interviewed four prominent people, from Vice Chancellor to pet clinic startups, at the event. The interviews provided an in-depth understanding of the perspectives of these individuals on entrepreneurship, startups, and the challenges faced by women in this field. The interviews were insightful and provided valuable information for our coverage of the event.

In conclusion, the AVINYA GAN event was an excellent platform for women entrepreneurs to showcase their ideas, connect with potential investors, and gain insights into the industry. The VYGR crew was privileged to be a part of the event and provide coverage. We learnt a lot from the event and gained valuable insights into the industry. We hope that our coverage provides a comprehensive account of the event for those who were unable to attend.

SCIENCE AND HUMANITIES

Two-Day Workshop on Latex

The Department of Science & Humanities organized a workshop on “LaTeX” on February 25 & March 25, 2023. The aim was to provide hands-on practice to the first-year students on the aspects of doing technical documentation work on the open-source, scientific tool. Mrs. Vaishali Parakhi - Assistant Professor, Department of Science & Humanities, of our college was the resource person for this workshop.



Students experienced hands-on practice learning sessions through which they got a better understanding of LaTeX tool and its applications. The content delivery was as per the needs of every student along with interaction. As part of the practical session, Mrs. Vaishali explained LaTeX Basics and how one can write mathematical equations easily in LaTeX. She explained in detail about the Basics of Equations, Math mode, Mathematical Symbols, Sample codes, Brackets and braces. She also explained how the sections, tables, Lists of Tables and Figures etc are created in LaTeX and how beamer can be used for preparing the power point presentation. Every student completed the assignment given on LaTeX on how to insert images, sub-images, equations, tables, and cross references in a technical document. Explanation and hands-on practice of Beamer which is a powerful and flexible LaTeX class to create professional looking presentations was also covered. How to create hyperlinks in the document, and how to set up LaTeX documents to be viewed with a PDF-reader was described. 40 students took advantage of this workshop.

Towards the end of session, Dr. Kala Nayak, Head of Department of Science & Humanities motivated students to use LaTeX for their technical reports, resume writing etc. She also asked for feedback and suggestions on the workshop from students who conveyed a positive response.

TRAINING AND PLACEMENT

CAREER IN ENGINEERING session for Carmel HSS students

The Training and Placement Cell organized a session



on 'Career in Engineering' on Saturday, 04 February 2023 for the XI and XII class students from Carmel Higher Secondary School, Nuvem. The objective of the talk was to help aspiring students in choosing the right branch of engineering.

Mr. Yeshudas Muttu, Assistant Professor, Electronics & Computer Science gave an overview on the various options for an engineer. He also presented a glimpse of Electronics & Computer Science to the prospective students. Mr. Ajit Salunke, HOD, Mechanical Engineering explained the various specializations under the umbrella of Mechanical Engineering. He said, "There is a lot of scope for girls in mechanical domain." He narrated to the students the exemplary performance of girls in mechanical engineering at our College. Dr. Vivek Jog, Associate Professor, Computer Engineering spoke of Data Science, Artificial Intelligence, and the Machine Learning as the buzzwords in the engineering. Dr. Shwetha, HOD, Civil Engineering expressed the varied roles and career path for the civil engineers. Ms. Risha Hegde, Community Manager, FiIRE and Mr. Kirran Mehta, Head, Incubation, and Innovation presented the wide scope offered in terms of the various schemes offered to potential entrepreneurs.

During the visit to Rapid Prototyping Lab by Goa State Innovation Council at our College, Mr. Siddhant Panjikar, presented to the students on overview of GSInC and spoke about the Virtual Innovation Register and its benefits such as registering the idea, support for commercialization, pitching to prospective buyers and support for intellectual property rights. Ms. Avila Naik thanked the Director, Principal and HODs of our College for the support towards the success of the event. She also thanked the Principal, Sr. Marinelle A.C., Carmel Higher

Secondary School, Nuvem, Tr. Monica Antao, Tr. Debbie Pereira, and Tr. Queenie Rebello for creating this occasion for their students to visit the DBCE campus for Career in Engineering event. Ms. Prathiksha Gajula, Student, Carmel Higher Secondary School thanked the Director, Principal, TPO, Heads of the Department, FiIRE and GSInC for the informative session as well as the campus tour.

Talk on Women in Cybersecurity

Training and Placement Cell, Department of Computer Engineering, and Department of Science & Humanities organized a virtual talk on Women in Cybersecurity on April 12, 2023, for the Undergraduate students of Computer Engineering.

The main purpose of the talk was to create awareness among students about Cybersecurity and the varied roles prevalent in industry today. The resource person Ms. Aparna Himmatramka, Senior Security Program Manager, Microsoft spoke about the top-level entry jobs in Cybersecurity. She also mentioned the desired skills for Cybersecurity jobs where technical ability, good written communication, and being responsible are rated at the top in the list.

The talk was focused on creating a journey that starts in First Year itself in finding the mentors, networking, joining groups, applying for scholarships, learning in classroom as well as beyond, building a strong LinkedIn profile, learning from failures, and contributing to the community at large.

The talk was organized by Dr Kala Nayak, HOD, Science & Humanities, Dr. Gaurang Patkar, HOD, Computer Engineering, and Avila Naik, Training and Placement Officer.



E-CELL (Entrepreneurship CELL)

The E-Cell Core Committee Installation & The My Story Interaction With Entrepreneurs

The Entrepreneurship Cell Core committee installation ceremony was held on the March 25, 2023 at our College. The comperes for the day were Ms. Angel Rodrigues and Mr. Loxley Dias.

The Principal, Dr. Neena Panandikar welcomed all the dignitaries and the new core committee. In her address, she encouraged all the students to take the first step and work hard. Director, Rev. Fr. Kinley D'Cruz encouraged all the budding entrepreneurs to do their best and also said "entrepreneurship is living of few years of your life like most people won't so you can spend the rest of your life like most people can't". The outgoing Chairman Mr. Shubham Tendulkar gave the insights of all the activities organized for the academic year 2022-2023, this was followed by the installation of the new E-Cell Core Committee.

The newly installed E-Cell Core Committee members are: Chairperson – Mr. Nikhil Rao, Secretary – Mr. Ved Kerkar, Treasurer – Ms. Clarita De Souza, Members – Mr. Ashden Mascarenhas, Mr. Numan Shaikh, Mr. Sanil Naik, and Mr. Aryan Pereira, Advisor- Mr. Shubham Tendulkar

The new Chairman, Mr. Nikhil Rao, in his address spoke about his experience in E-Cell and gave insights into the activities planned for the students. Next part of the event was 'My Story Interaction' with entrepreneurs moderated by Mr. Mohammad Imran .The speakers in the panel were, Mr. Gaurav Dessai(Proprietor at GD Music & Entertainment-Goa's top rated acoustic Bollywood band and sound rental & Proprietor at Dream Creations-An event



management company), Mr. Eshan Lotlikar(Co founder of Eksat kicks Goa's first premium sneaker reselling platform), Mr. Sai Rane(Founder Neural Kissan a company that leverages cutting-edge technologies to make possible to cultivate any plant ,any time and anywhere) and Mr. Mayur Shetti(Proprietor at Shree Damodar Mutual Fund ServicesOperations manager at Shree Damodar Distributor).

The Chief Guest for the day Mr. Vikrant Ashok Karandikar addressed the students and encouraged them to work on their vision and make the best out of their potential with all the facilities provided to them, he also told them to move out of their comfort zone to reach out to their goal. The Chief Guest and the Speakers' presence were acknowledged by awarding them mementos. The vote of thanks was proposed by Prof. Mathilda Colaco

Go To Market Strategy For E-Cell Students

As a part of Entrepreneurship Idea to start up course in association with E-cell organized a lecture session on "Go to Market Strategy" for Third year students. The speaker "Mr. Sushant Surlarkar, Founder and Proprietor of SMS Computer Services & Founder and Chief Faculty of Emerging Minds Academy" started the session by asking a question to the students on "What is marketing". He spoke about What is Go to Marketing, Who needs Go to Marketing and what is Go to Market Strategy. During the session, the students were asked to think of one product which they would like to launch in a market and thinking on what are the points they should consider to launch the product in a market. The topic of utmost importance was "How to create a go to Market Strategy" wherein the points such as Identifying the problem, Identifying the target market, Research competition and demand, unique selling proposition was discussed which would help one to meet market strategy of their product.

The session concluded with one question on 'How many students want to start their own business' which was asked by the speaker to the students. Students were advised to follow all the steps spoken by the speaker while launching any product which

would help them to meet market strategy and generate value for their product in any market. The student coordinator for the session was Miss.Gauravi Kamat.

E- Cell of DBCE conducts Proof of Concept (POC) session for Second year students

On March 31, 2023 the Entrepreneurship Cell organized a session on Proof of Concept as a part of Entrepreneurship- Idea to Start up course, and the resource person was Mr. Abhishek Singh, Incubation manager from Atal Incubation Centre, GIM, Sanquelim, Goa. He introduced the topic to the Second year student members of E-Cell and asked them to clarify all their questions.

The students were explained about the different steps in proof of concept: ideation, building the prototype, MVP, feedback as data and analysing the data to improve one's product and doing proper research to meet the present state of the market. The session was interactive and the students asked several questions and Mr. Abhishek Singh explained it all to the students with real life examples.

Mr. Abhishek Singh motivated the students towards future ventures and inspired them to make the most of all the opportunities provided to them. The Guest speaker was presented a memento of appreciation by Prof. Satyesh Kakodkar.

E- Cell of DBCE conducts Team Building session

On March 31, 2023 , the Entrepreneurship Cell organized an interactive and engaging session on Team Building for the first year students. Aiming to introduce participants to leadership and improve their teamwork, networking, and partnership skills. The event provided an interactive and fun session where attendees had the opportunity to express their views.

The session was led by Mr. Nirmesh Tyagi, a renowned marketing consultant and business strategist. He is an experienced trainer and has been associated with the JCI training academy. His expertise in leadership and team building helped

participants gain a fresh perspective on how to foster collaboration and teamwork in their professional lives.

The event started with Mr. Tyagi dividing the participants into 4 teams and giving them tasks that would encourage communication and coordination among team members. The first task was for each team to come up with a unique name, slogan and decide among the team as to who will be the group leader. They were then asked to present the same in unison. Mr. Tyagi guided the participants to work together and overcome any differences they may have had to achieve harmony. To loosen up and have some fun, Mr. Tyagi taught them a small dance routine to the song "Follow the Leader," which all the teams danced along to and had a lot of fun. He then challenged the teams to create their own choreography for the same song, and perform it before everyone .

The event ended with a brainstorming session where the students were asked to share ideas for future projects as entrepreneurs for the betterment of the college. All the teams came up with some wonderful ideas. Overall, the Team Building event was a tremendous success. Thanks to the efforts of the Entrepreneurship Cell and the speaker; Mr. Tyagi. The event not only provided a platform for participants to learn about leadership and team building, but also helped them to connect with like-minded individuals from different backgrounds. The interactive activities were engaging and insightful, leaving participants with a new perspective on the value of teamwork and collaboration. Summing it up, the Team Building event was a wonderful experience that highlighted the importance of working together towards a common goal.

RESEARCH AND DEVELOPMENT

Session on Catalyzing Quality Academic Research through NEP 2020

Research & Development (R & D) and IQAC Committee of our College organized a session on "Catalyzing Quality Academic Research through NEP 2020" for the faculty and staff members on February

14, 2023. Prof. Archana Thosar, Dean R and D, COEP Tech University was the resource person. Prof. Archana Thosar highlighted New Educational Policy which focuses on 5 pillars: Access, Equity, Quality, Affordability and Accountability. She spoke about Industry Institute Interaction, Industry Institute Collaboration, Industry Institute Partnership and Industry Institute Integration. She mentioned about Technology Readiness Level, Creativity and Innovation, various types of industry supported R and D, Multidisciplinary, Interdisciplinary, Transdisciplinary Approach, Governance, Research Ecosystem, Management Information System, Human Resources, Research Promotion & Guidance, Integrity and Ethics, Research Thrust and Clustered Areas, Research Incentives and Recognition, Research Monitoring and Research Ecosystem. Director - Fr. Kinley D'Cruz and Principal - Dr. Neena Panandikar also attended the session.

The session was coordinated by Dr. Shwetha Prasanna (R & D chairperson) and Ms. Kimberly Morais.

Session on “Goals and Objectives of Goa State Research Foundation”

Research & Development (R & D) Committee of our College organized a session on 'Stakeholders meeting Goa State Research Foundation' for the faculty members on April 4, 2023. The session started with a broad overview of the Goa State Research Foundation (GSRF) by Prof. Malapati K Janarthanam (Chairperson, GSRF). He spoke about the objectives and goal of Goa State Research Foundation. The session was followed a talk by Prof. Vithal Tilvi (Professor, Goa State Higher Education Council). He highlighted objectives of GSRF such as Fund Research infrastructure ie individual institution, sharing across multiple institutions. He mentioned about Mentoring of Educational institutions by



(hiring) Research Scholars, Summer fellowships to (Researchers, Visiting researchers, Faculty and students), Funding the research Proposals to (Seed grant, Mid-career ,Minor and Major projects, Multidisciplinary, Doctoral and Post-Doctoral). This was followed by a Q&A session that initiated a discussion on seeking inputs about research and funding so as to incorporate them into provisions after discussions by the Governing Council. The session was attended by about 40 faculty members of Departments of Mechanical, Civil, Computer, ECS Engineering, Science & Humanities of DBCE. Professor, Goa State Higher Education Council - Prof. Niyam Marchon, Director- Fr. Kinley D'Cruz and Principal - Dr. Neena Panandikar also attended the session. The session was coordinated by Dr. Vivek Jog from Computer Dept. and Dr. Vidhya D S. from ECS /ETC Dept.

INSTITUTION INNOVATION COUNCIL

Workshop on “Prototyping Design”

The Institution Innovation Council (IIC) of our College organised a workshop on “Prototyping Design” on March 13, 2023 .Mr. Siddhant Panjekar introduced the IIC Don Bosco College of Engineering and gave an overview of its' function, objectives & activities.

The session began with a briefing on the concept generation and the various data collection methods that are required to generate the cake making machine.

The participants were informed and explained as how the company Tvasta began and what were the processes involved in setting it up. They were explained different materials used for 3D printing. A demonstration on how the laser cutter works was the highlight of the session. The session ended with a Q&A session, allowing the participants to clarify their doubts about how to design and develop the prototype.

SPORTS

Interclass Football

Our College conducted an interclass football tournament on 14-15 February 2023.

The tournament was a world cup themed competition in which every team was allotted a country that participated in the recently concluded FIFA World Cup 2022 in which Argentina emerged champions of the world.

Third year Mechanical class representing the country Netherlands emerged winners of the interclass world cup competition overcoming a lot of challenges to defeat Ecuador represented by Final year Mechanical. The tournament concluded with a Tie Breaker after the score was level at full time.

Sidharth Borkar of third year Mechanical was adjudged the player of the tournament.

Interclass Football Tie Breaker For Women

Our College conducted an interclass football tournament for women on 14-15 February 2023.

The tournament was a world cup themed competition in which every team was allotted a country that participated in the recently concluded FIFA World Cup 2022 in which Argentina emerged champions of the world.

Final year Mechanical class representing Ecuador emerged winners of the interclass world cup competition beating first year Mechanical representing Uruguay in the finals.

Table Tennis Interclass Report

Third year Computer Engineering students emerged as champions of the Interclass Table tennis competition conducted on March 18, 2023.

In total, 14 classes participated in this competition. Each team consisted of 2 boys and 1 girl. The finals were played between Third year Computer

Engineering and Final year Mechanical Engineering 1 students who in the semifinals defeated First year Mechanical Engineering and Final year Computer Engineering students respectively. The finals were a very close match with Third year Computer Engineering students just edging the Final year Mechanical Engineering 1 students 3-2 to take away the trophy.

One Week Football Camp

A one week football camp was organized by the Sports Department for all the female students of the college. The camp was conducted on March 20-25, 2023. A total of 10 students participated in this camp. The objective of the camp was to introduce the game of Football to the students. The students performed a lot of fun drills and learnt the basics of football through this one week camp.

DBCE Futsal League "Auction" held

The Sports Department of our College organized a fun "Auction" session to determine the teams that will participate in the "DBCE Futsal League" to commence soon. Unlike the recently held interclass competition where players had to represent their class, here students will be allotted a team via the auction.

The "Auction" is a unique way to determine the participants of a team. 6 teams and the captains were chosen prior. The other 70 participants were all placed in the auction pool. Instead of cash, captains were given 12000 points to buy 9 boys and 2 girls from the auction pool. The whole event turned out to be a great success with all 6 teams trying to outbid each other to get their desired player in the team.



Ignatius D'Silva turned out to be the most expensive player in the auction as he was bought for 2450 points by Team Falcons led by Nimish Noronha. Other teams that participated were Dynamos led by Stalan Braganza, Demolishers led by Samson Couthino, Tigers led by Simron Rodrigues, Panthers led by Rohan Viegas and Strikers led by Lenny Vaz.

Interclass Carrom Report: First Year Civil with a Double Victory

The Sports Department recently organized an Interclass Carrom Tournament for the students of the college. It was a double victory for the students of First Year Civil as they took the winner's trophy in both the Men and Women section. In the Men's Finals, First Year Civil defeated Final Year Mechanical class by a margin of 2-0 while in the Women Section FE CIVIL came back from a board down to defeat their seniors- Final Year Civil class by a margin of 2-1.

Interclass Futsal

The first year (FE) Computer Engineering students triumphed in the Fe Derby by beating first year ECS students by a solitary goal in the recently concluded Interclass Futsal Championship. This 6-a-side competition involved 1 girl playing at all times. Both, first year ECS and Computer Engineering students beat all the odds and reached the finals. They both enjoyed the underdogs tag for most of the tournament.

In the finals, it was Preetam Bhat who managed to score the decisive goal from a quick counter attack. Director – Rev. Fr Kinley D'Cruz and the Rector- Rev. Fr Ralin D'souza were the dignitaries present for the final. Both the dignitaries congratulated the teams before the start of the match.

For the closing ceremony, Sports Secretary- Mr. Lyzander Gomes proposed the vote of thanks. The best player of the Tournament (Male) went to Preetam Bhat of FE Computer Engineering and the best player of the Tournament (Female) was awarded to Ms. Sarah Fernandes of FE ECS.

The 2 week long tournament concluded with the

presentation of the rolling trophy to the FE Computer Engineering team by Rev. Fr.Ralin D'souza and Rev. Fr.Kinley D'Dcruz.

Bhasker Gain wins at State Athletic Meet and Intercollegiate Athletics

Bhasker Gain Of Second year Civil Engineering made our College proud by winning medals at the recently concluded State Athletic Meet and also at the Intercollegiate Meet. At the Intercollegiate Meet, Bhasker won the Gold Medal in Javelin throw and a Bronze Medal in Shot Put. In the state Athletic Meet, Bhasker cemented his place as the best Javelin thrower in the state by bagging the Gold Medal again. He also won a Silver Medal for Shot Put in the same competition.

DHRISHNI - Women's Cell A Visit to Prototyping lab

Dhrishni the woman's cell at our College in association with GSInc organized a visit to Prototyping lab for the students of Government High School- Ponda -Goa on February 20,2023.

The main purpose of the event was to give an overview on innovation, Prototyping- (initial stage of product) idea, design, 2D model or base model setup. Students were explained the working mechanism of Laser cutting machine, Different 3d printers and Drone. They were also given highlights on Prototypes made by the students such as mini drone, thermal foam cutter, oxygen concentrator. Around 40 students were present.

Visit to Bethesda Children Home

The members of Dhrishni - Women's cell at our College were intrigued at the talent, enthusiasm and wit that the children at Bethesda Children Home embraced within them. The opportunity to interact and celebrate together with the children on March 24, 2023 was one that left everyone in high spirits with the need to want to collaborate with these intelligent girls in the near future. The girls amazed the team from Dhrishni while they staged performances in the

form of dance and song. The cool and confident demeanour that they exhibited in their performances gave way to the idea of how these young girls could only break the glass ceiling and be a blessing to many.

The President of the Dhrishni team – Dr. Neena Panandikar along with the team and children cut a cake sharing in the joy of togetherness while everyone was lost in conversation and laughter through the evening.

As is indeed said- We make a living by what we get, But we make a life by what we give...! The girls at Bethesda brought more life to the hearts and dreams of the members of Dhrishni. This can only be a great beginning for the Women's cell at our College to experience and collaborate with young hearts and budding minds in the future.

When asked how the children at Bethesda have been brought up with poise, a sense of responsibility, humility and love, Mr. Biju Zachariah responded, “ I have the benefactors and well wishers who help us run this home and indeed it requires a great vision to do what we do.”

The visit ended with all the children excitedly shouting their 'goodbyes' and 'see-you-soon!'. The Dhrishni team left Bethesda Children Home with the gift of the smiling faces of each child etched in their hearts.

Lady's Day Out

The members of the Dhrishni cell at our College were treated to a relaxing day in nature, situated at Chinchinim in South Goa. The women were excited to disembark at the venue, which offered breath-taking views of lush green fields, migratory birds, and water lilies. The day began with a delicious breakfast, followed by games that helped the women get to know each other better.

It was time to wear those dancing shoes and dance to the tunes played by Prof. Flavia Leitao, that everyone enjoyed. Later, the ladies had a Zumba party in the pool, led by Prof. Trima, which left them



feeling hungry. A delicious lunch was served and enjoyed by all.

The next activity, Pecha Kucha, originated in Japan and involved showing pictures in a minute. Prior to the outing, buddies or pairs were randomly selected, and each member had to find out five things about their partner other than work life, along with supporting pictures. The outcome was successful, as everyone learnt more about each other. It was a day filled with fun, frolic, and many memories.

NDLI

A Talk Session on “TIPS FOR WRITING TECHNICAL RESEARCH PAPER”

The Dept. of Civil Engineering in Association with the Department of Library of our College and National Digital Library of India Club organized a Talk Session on “TIPS FOR WRITING TECHNICAL RESEARCH PAPER” for students and staff of DBCE, on March 10, 2023. The session was delivered by Dr. Shwetha P. A total of 40 club members registered for the event.

NDLI Club Event (Science & Humanities Department)

The NDLI Club of our College conducted a session on “Explore with Beamer LaTeX” on March 28, 2023. The

resource person was Ms. Natasha D'souza e Jaques from the Department of Science & Humanities.

In her session, Ms. Jaques explained the advantages of Beamer over Microsoft PowerPoint. She also demonstrated the various features of Beamer like document classes, Packages, inserting illustrations, animations, drawings, citations, templates, etc.

About 32 participants attended the session which was conducted online through Google Meet. The session was well appreciated by all present.

FiiRE (Forum for Innovation Incubation Research and Entrepreneurship)

FiiRE Goa Hosts T-Hub and Armenian Delegation to Explore Startup Ecosystem

FiiRE (Forum for Innovation Incubation Research and Entrepreneurship), one of Goa's leading startup incubators, recently welcomed the T-Hub and Armenian delegation to its campus in Fatorda, Goa. The visit was aimed at exploring the thriving startup ecosystem in Goa and building connections with innovative thinkers in the industry. The visitors included Hovhannes Kuloghlyan, Ph.D., CEO and co-founder of Gröksmith, and HARI VIGNESH M and Preethi Madda, who are both involved in innovation management and business development at T-Hub, as well as Atul Kavitate, an innovation manager at T-Hub. FiiRE's startup ecosystem has been gaining traction in recent years, and the visit was an opportunity for the delegates to experience first-hand the various initiatives and programs that FiiRE has been offering to budding entrepreneurs. "We were thrilled to welcome the T-Hub and Armenian delegation to FiiRE recently," said a spokesperson for FiiRE. "It was a great opportunity for us to showcase our startup ecosystem and connect with innovative thinkers from around the world. We look forward to building strong connections with these professionals and collaborating with them in the future." During the visit, the delegates were introduced to various startups that are part of FiiRE's

incubation program. They also got a chance to interact with the entrepreneurs and learn about their experiences in the startup world. The visit was particularly significant for the TourismTech sector, which has been a focus area for FiiRE in recent years. The delegates were introduced to startups that are working on innovative solutions for the tourism industry, such as smart tourism platforms, virtual reality experiences, and AI-based chatbots.

FiiRE Goa Welcomes Juliane Frömmter, Program Lead of EU-India InnoCenter at German Entrepreneurship

FiiRE (Forum for Innovation Incubation Research and Entrepreneurship), one of Goa's leading startup incubators, recently had the pleasure of hosting Ms. Juliane Frömmter, Program Lead of EUIndia InnoCenter at German Entrepreneurship, Business Consulting, and Services in Munich, Bayern Germany, at its facilities in Fatorda, Goa. Ms. Frömmter's visit was aimed at exploring the thriving startup ecosystem in Goa and building connections with innovative thinkers in the industry. As the Program Lead of EU-India InnoCenter, Ms. Frömmter is responsible for fostering innovation partnerships between India and the European Union.

FiiRE Hosts Promising Young Minds from St. Xavier's College, Mapusa, Goa

FiiRE recently hosted a group of bright students from St. Xavier's College, Mapusa, who came to explore the world of entrepreneurship. The visit provided an excellent opportunity for the students to gain insights into the innovative culture that FiiRE has created in its ecosystem. The students were thrilled to be a part of the vibrant startup community at FiiRE and learned about the exciting opportunities available to entrepreneurs. The experience left a lasting impression on them, and they left with a newfound appreciation for the entrepreneurial spirit that FiiRE fosters. FiiRE's startup ecosystem has been carefully crafted to provide entrepreneurs with the resources and support they need to succeed. The incubator and accelerator offer a range of programs and services, including mentorship, funding, and networking opportunities. If you're interested in

exploring the world of entrepreneurship and experiencing the dynamic startup ecosystem at FiiRE, reach out to us. We welcome all budding entrepreneurs and innovators to come and be a part of our growing community!

FiiRE to Serve as Outreach Partner for Entrepreneurship Awareness Camp at St. Xavier's College, Kolkata

Exciting news for aspiring entrepreneurs! FiiRE is proud to announce that it will be serving as an Outreach Partner for the Entrepreneurship Development Cell at St. Xavier's College in Kolkata, to host an Entrepreneurship Awareness Camp. The three-day event features a comprehensive curriculum that includes workshops, mentoring sessions, and networking opportunities with topnotch mentors in the start-up ecosystem. This partnership has already been incredibly successful, with the previous events having accelerated over 100 startups and raised over INR 25,00,000 in investment. The event has also hosted keynote speaker sessions by corporate leaders, providing valuable insights to the attendees. FiiRE is committed to bridging the gap between entrepreneurs and the resources they need to succeed, and this partnership is a testament to that commitment. As an Outreach Partner, FiiRE will help provide a platform for entrepreneurs to connect with mentors and industry experts, and gain the knowledge and skills they need to turn their ideas into successful businesses. The Entrepreneurship Awareness Camp is an excellent opportunity for aspiring entrepreneurs to gain valuable insights, network with like-minded individuals, and receive mentorship from industry experts. Join us in this partnership, and let's empower the next generation of entrepreneurs to achieve their dreams!

FiiRE Launches Nursing Assistantship Course for Young Individuals in Goa

Are you interested in pursuing a fulfilling career in healthcare? Look no further than FiiRE's Nursing Assistantship Course! Our program provides hands-on training in primary nursing care that helps young individuals acquire the skills necessary to excel in the

healthcare industry. With the demand for trained nurses on the rise and limited availability of resources in the state, FiiRE's Nursing Assistantship Course bridges the gap and provides young individuals with an opportunity to step up in the healthcare community and provide quality care to patients. The course is designed to provide students with a comprehensive understanding of nursing care and equip them with practical skills that are essential to succeed in the healthcare industry. Upon completion of the course, students will be well-prepared to pursue a rewarding career in healthcare. FiiRE is committed to providing skill development opportunities for the youth of Goa and beyond, and the Nursing Assistantship Course is a testament to that commitment. Join us in this journey and take the first step towards a fulfilling career in healthcare. Contact us today to learn more about the Nursing Assistantship Course and how it can help you achieve your career goals. Let FiiRE be your partner in your journey towards success!

FiiRE Concludes Special Training Program for Business Diva 2023

FiiRE recently concluded a special training program as part of the Business Diva 2023 4th edition, in collaboration with the Women's wing at GCCI. The program was designed to prepare the participants for the upcoming semifinals next week. The training program featured two expert trainers, Mr. Michael Viegas and Ms. Kanan Tandi. Mr. Michael Viegas conducted a training session on "Building a pitch deck," while Ms. Kanan Tandi conducted a session on "Body language and effective communication." The training program provided the participants with valuable insights and practical skills that are essential for succeeding in the competition and beyond. FiiRE is proud to support and empower women entrepreneurs in their journey towards success. We are thrilled to see these talented individuals take the stage and showcase their innovative ideas and business acumen. We wish all the participants the best of luck in the upcoming semifinals and beyond. Stay tuned for more updates on the Business Diva 2023 competition and FiiRE's continued efforts to support and empower women entrepreneurs in Goa and beyond.

FiiRE Hosts Semi-Finals for Business Diva 2023 4th Edition

FiiRE hosted the semi-finals for the Business Diva 2023 4th Edition today, where participants presented their unique business ideas to a distinguished panel of judges. The event was an opportunity for the participants to showcase their entrepreneurial skills and creativity, as well as to receive valuable feedback from experienced judges. The panel of judges included Smt. Poonam Ekawde Shirsat, Founder of The Skill Company, and Shri. Tushar Sawant, Enterprise Development Manager at FiiRE. Their expertise and experience in the industry helped to guide and evaluate the participants' ideas. The Business Diva 2023 4th Edition is an initiative by FiiRE in association with the Women's Wing at GCCI. It aims to empower and support women entrepreneurs by providing them with a platform to showcase their talents and ideas. Stay tuned for more updates on the finals of the Business Diva 2023 competition, where the finalists will have the opportunity to pitch their ideas to a panel of judges and potentially win funding and support for their businesses.

FiiRE Partners with Expand My Business for Digital Solutions

FiiRE is excited to announce its partnership with Expand My Business (EMB), a company that provides digital marketing and advertising services. The partnership aims to expand online presence and help businesses reach their target audience. EMB is committed to helping businesses grow and succeed through its comprehensive digital marketing services. By leveraging the latest tools and technology, EMB creates tailored marketing strategies to help businesses build a strong online presence and reach their target audience effectively. FiiRE welcomes Expand My Business onboard and looks forward to working together to provide innovative digital solutions to businesses. To learn more about Expand My Business and its services, visit their website at <https://exmyb.com>.

FiiRE has successfully concluded the Business Diva Competition 2023 4th Edition

FiiRE, in association with GCCI Women's Wing and Geno Foundation, recently concluded the 2023 4th Edition of the Business Diva Competition. The event held on April 29, 2023, featured an impressive range of creativity and innovation from women entrepreneurs across various categories. The esteemed panel of guests, including Dr. Deviya Rane (MLA Poriem & Chairperson GFDC), Ms. Pratima Dhond (Vice President GCCI), and Ms. Deepali Naik (Director Women & Child Development Department), offered their expert insights and invaluable advice to the participants. The competition witnessed participants showcasing their business ideas and receiving expert advice from the panelists. It was an exciting opportunity for women entrepreneurs to learn and network with the industry's best. The winners of the competition were announced in three categories. In the Start-Up category, Mariona Pereira from Lost Vedas emerged as the winner, and Shalaka Dinesh from Shet Teli, H2 Health Habits, was the runner-up. Laxmi Saraf from Soul Food Factory won the Scale-Up category, and Nisha Mahesh Sawant from Digital HR Empowerment was the runner-up. In the Self-Help Groups category, Kavita Ajit Naik from Navadurga Foods won, and Sneha Ulhas Naik from O' Saiba Foods was the runner-up. The event was a resounding success, and congratulations were extended to all the finalists. The Business Diva Competition is an excellent initiative that provides a platform for women entrepreneurs to showcase their talent and receive expert guidance and support.

FiiRE Goa Supports Local Artisans: Shri. Amit Shah Receives a Beautiful HandWeaved Shawl During Visit to Goa

FiiRE Goa is proud to announce its support for local artisans and communities in Goa. The organization's efforts were showcased during the visit of Shri. Amit Shah, Honorable Minister of Home Affairs, Govt. of India, who was presented with a beautiful Kunbi shawl hand-weaved by the artisans from the Goa Handloom Society. The Goa Handloom Society is supported by FiiRE's Entrepreneurship Development Division in association with NABARD. The hand-

weaved shawl is a testament to the creativity and skill of local artisans in Goa. FiiRE Goa is committed to empowering and inspiring entrepreneurs in the region. By supporting local artisans and communities, the organization is making a significant impact on the economic growth of the region. "We are proud to support local artisans and communities through our Entrepreneurship Development Division," said a spokesperson for FiiRE Goa. "Our mission is to empower and inspire entrepreneurs, and we are delighted to showcase our impact in Goa." FiiRE Goa will continue to support local artisans and entrepreneurs in the region, providing them with the resources and support they need to succeed. The organization's efforts are making a significant impact on the economic growth and development of the region.

FiiRE recently had the pleasure of hosting faculty members from Vidya Prabodhini College, Porvorim, Bardez-Goa

Faculty members from Vidya Prabodhini College, were eager to learn about our entrepreneurship, incubation, and CoWorking programs. The college representatives were impressed by the innovative culture at FiiRE and gained valuable knowledge about the local startup ecosystem. If you too are interested in becoming a part of our vibrant community and enhancing your entrepreneurial skills, don't hesitate to contact us. Come visit us and experience it for yourself!

FiiRE conducted the General Body Meeting of Goa Kunbi Handloom Weavers Cooperative Society

FiiRE, in association with NABARD - (National Bank for Agriculture and Rural Development), has been supporting the Goa Kunbi Handloom Weavers Cooperative Society Pvt. Ltd. And, the good news is that the first Annual General Body Meeting of the cooperative society was a success. During the meeting, the governing body, Chairman, and Vice-Chairman were elected. The cooperative society's handloom weavers shared their experiences and journey in the handloom industry and updated on the progress of their respective centers, providing valuable insights into the workings of the

cooperative society. FiiRE's focus on reviving the Goan Kunbi Handloom industry has a larger goal- to boost tourism in Goa and make it the ultimate TourismTech destination by 2030. By supporting local artisans and communities, FiiRE is not only promoting entrepreneurship but also preserving the state's traditional heritage. To know more about FiiRE's initiatives and be a part of the entrepreneurial community, visit FiiRE and experience it yourself!

FiiRE collaborates with MSME for a Community Meet

FiiRE, in collaboration with the Ministry of MSME, GoI, and MSME-DFO Goa, recently conducted a session focused on Women and Intellectual Property, aimed at accelerating innovation and creativity. This event was part of FiiRE's Community Meet Series 23-24, celebrating World IP Day 2023. The session aimed to create awareness about entrepreneurial opportunities and MSME schemes, while also highlighting the important role of Intellectual Property Rights in fostering innovation and creativity in MSMEs. A panel of experts including representatives from the Ministry of MSME, MSME-DFO Goa, Legawise, and FiiRE were present to provide valuable insights and knowledge to attendees. The informative session provided attendees with the necessary tools to understand the benefits of Intellectual Property Rights, which is crucial for the growth of MSMEs.

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