



Luminoso

Science and Humanities Department's Newsletter

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VISION

To evolve as a focal point of excellence in the areas of basic sciences and humanities, bridging the gap between school and engineering education and inculcating humane values in budding engineers for the global world.

MISSION

- To impart quality education through theory and practice achieving academic excellence.
- To orient new students to engineering education by providing bridge courses.
- To impart value education and encourage extra - curricular activities and community outreach programmes for individual growth and societal transformation.
- To create an awareness towards recent trends in sustainable technological innovation.

DEPARTMENTAL DETAILS

The Department of Science and Humanities forms an integral part of the first year engineering students as it lays the foundation for technical education wherein the ethos of Science and Technology prevails.

The Department of Science and Humanities offers courses in Engineering Mathematics, Applied Sciences (Physics & Chemistry), Technical English, Social Science and Managerial Economics. These courses enhance the applicative aptitude of the students in various branches of engineering.

The faculty is involved in developing the aptitude and curriculum based knowledge of individual students. Students are encouraged to contribute towards intensifying their respective professional strengths and inter - personal skills under the banner of the association 'SEEDS'.

The department has two laboratories - Physics Laboratory and Chemistry Laboratory. Physics Laboratory- Physics being an integral part in Engineering and Technology creates awareness for the students to understand the fundamental concepts of Engineering and Technology. In brief, it lays a foundation in which the students want to excel in their own field of interest. Chemistry Laboratory- The need for Chemistry in engineering is conveyed to the students in the form of theory and practical classes which helps the students to enhance their practical skills.

Research also forms an integral part of the development of the Department of Science and Humanities.

STUDENTS CORNER

STAIRWAY TOWARDS EMPOWERING ENGINEERING DREAMS TO SUCCESS (SEEDS)

On 27 January 2018, the Goa state innovation council (GsInC) in association with SEEDS held a BOOTCAMP on Innovation at Don Bosco College of Engineering - Fatorda. The event began with an address by Mr. Sudip Faldessai , project officer at GsInC, in which he introduced the concept of innovation to the students and how the national innovation council which is a part of the government of India, aims to create a system in order to encourage young talent and ideas and boost the innovation in the state. He informed the students that new job openings are very less in the country and there is a huge competition for jobs and that GsInC holds the chief minister start up award which helps the winners get funding to put their ideas into practice and also set up incubation Centre's.



The first speaker of the event was Ms. Farheen Sayed, who narrated the story of how she founded her own start ups - "Brushfix" and "Boxifer", the latter of which had won her the prestigious chief minister yojana start up award. She explained the steps to be taken to create an entrepreneurship. She spoke at length about the increase in rate in development of start ups in India and how important it is to take in to consideration the ease of accessibility of one's business so as to appeal people of different ages. After a question and answer session with the audience, the next speaker was Mr. Gareth Almeida, one of the co-founders of "Garage guy". He explained that garage guy is an app which informs about servicing and maintenance of one's

vehicle. He also spoke about how the main aim of his start up is to revolutionize the automobile market by providing an app to make service appointments, give reminders as well as an online platform for purchasing automobile parts and accessories, and for people to talk to one another and offer automobile related advice. Besides this, they also hold campaigns to promote safety awareness like "100 days" and "50 days", and offer deals on services like car washes. He emphasized on how important it is to change one's lens of perception in order to identify opportunities and how to make ideas happen with sufficient business planning, market research and proper execution in order to establish the real potential of one's product. The students enthusiastically took part in the question-answer round. The next speaker was Mr. Tushar Sawant who spoke about the qualifications and eligibility for the various aids given to start ups like subsidies, loans and the prime minister yojana. These qualifications included age and money(income) limits and educational qualifications as well as implementing agencies and areas and selection of beneficiaries.



The second half of the event commenced with Mr. Sushant Surlakar, a chief coach, who spoke to the students about the various processes required in setting up an Enterprise, which included marketing strategies and sales techniques. Some of the techniques could also be used for other aspects like SWOT analysis (Strengths, Weakness, Opportunity, Threats). He made a quote saying, "A goal without a timeline is a dream" and asked the students to give themselves goals in time and keep a check on reality. After this the students were grouped according to their streams and we're asked to create a project idea from scratch with emphasis on creativity, manufacturing cost, model design, tagline, total income etc. They were then judged by Mr. Sudip Faldessai and Sanford Mascarenhas. FE Civil were declared the winners. The event ended with Renvick Fernandes proposing the vote of thanks.

Overall, the event was a huge success and really helped in enlightening the students on prospects of being an entrepreneur, as well as giving them clarity and confidence to put their ideas into practice on their journey they will have to take to get there.

The final event of SEEDS was held on the 24th March 2018. The students participated in various events: Wealth out of waste, Bridge building, Photography, Gaming, Spur of the moment, and Business and Gaming Ideas.



In wealth out of waste the students worked on models using only the shells of nuts. Pooja Phadtare and Juella De Oliveira-FE ETC secured the first place. The judges for the event were Prof. Melba D'souza and Prof. Chetan Gaonkar.

Vignesh Gaude, Sharyu Pednekar, Rishikesh Naik - First Year Civil were declared winners for bridge building with a total weight of 37 Kgs.

The theme for photography was 'Reflection'. Out of a total of 22 participants Vaishnav -FE Computer was declared the winner by the judges: Mr. Rolland Gomes and Mr. Alloysius Baptista.

The students of first year enthusiastically took part in gaming events. Following were the games played:

Gaming Events	Winners
Dream League Soccer	FE ETC-Prajay Naik
Mini Militia	FE Computer-Shivlay Nayak, Reynold Vaz, Kaushik Parab
Free Fire	FE Mechanical-Vivian Viegas ,Abhijeet Naique Lincoln Viegas ,Sanford Rodrigues
Clash Royale	FE Computer-Shivlay Nayak, Reynold Vaz
Chess	FE ETC-Saurabh Prabhu
Scrabble	FE Computer-Stella Tom, Shania Lewis, Nargish Khan ,Gauri Bhatikar
Sudoku	FE Civil- Sahara Naik

The game of Chess was refereed by Mr. Sarvesh Rao from SE Civil.

In the meanwhile, students spontaneously participated in 'Spur of the moment' in which they had to perform tasks assigned to them on the spur of the moment. The students participated in Heads up, Charades, Q & A Relay. The students were also asked to enact an office scene and identify the various loop holes and effective qualities that a professional should give importance to in the professional world.

The students presented business and gaming ideas through a power point presentation, which was judged by Mr. Sudip Faldesai and Prof. Ankit Tiwari. The best presentation for gaming and business ideas was bagged by FE Computer- Eeshan, Ashutosh, Akash Barad and FE Mechanical- Everard Leitao, Vivian Veigas.



The following were the topics presented.

Gaming Idea	Topic
Mechanical	Race the Beat
Computer	LYF (VR Game)
Business Idea	
Mechanical	Domestic waste water Treatment
ETC	Designing of Electronic Speakers
Comp	E-waste Recycling Unit
Civil	Wireless Charging of electric Vehicles



The day ended with a valedictory function graced by the presence of Principal-Dr. Neena Panandikar. Also present were Head of Department – Dr. Kala Nayak; Deputy Head of Department – Prof. Harison Cota and the staff of Department of Science & Humanities.

Dr. Neena Panandikar congratulated the students for their participation during SEEDS 2017 -18 and encouraged them to excel in their future.

She applauded the efforts of Prof. Harison Cota and Prof. Gladys Dasilva for having scored amongst the top 247 candidates in the ICT workshop on Blended Learning conducted by IIT Mumbai.

The report of events conducted during SEEDS 2017-18 was summarized by Mr. Renvick Fernandes and Mr. Allan Luis through a power point presentation.

Certificates were distributed to the first and second place holders of: Quiz, Debate, Math Relay, Process of setting an Enterprise held previously during SEEDS 2017-18

The function ended with presenting the trophy to the First Year Computers for SEEDS 2017-18.



ACHIEVEMENTS & FELICITATION

CULTURAL

Mr. Sahil Nerurkar of first year Computer Engineering participated in the Poster Competition organized by the South Goa Collectorate Office on 25th January 2018.

Ms. Benecia Colaco of first year Mechanical Engineering secured the second place in the Inter Collegiate Bible Quiz Competition organized by Rosary College, Navelim in February 2018.

Mr. Renvick Fernandes of first year Electronics and Telecommunication Engineering participated in K-OSS Treasure Hunt Competition organized by Dempo College on 2nd February 2018.

Ms. Benecia Colaco of first year Mechanical Engineering participated in K-OSS Turn the Table Competition organized by Dempo College on 2nd February 2018.

Mr. Aniket Naik and Mr. Sairaj Naik of first year Mechanical Engineering together with Mr. Sanket Naik, Mr. Sanmesh Naik and Mr. Prajay Naik of first year Electronics and Telecommunication Engineering participated in K-OSS Treasure Hunt Competition organized by Dempo College on 2nd February 2018.

SPORTS

Ms. Nargish Khan of first year Computer Engineering and Ms. Jasmine Karapurkar of first year Civil Engineering participated in the Inter - College Basketball Tournament organized by Goa University on 5th January 2018.

Mr. Ray Cortez and Mr. Jaydeep Pawar of first year Civil Engineering were semi - finalists in the Inter- College Basketball Tournament held from 4th – 8th January 2018 organized by Goa University.

Ms. Jocelyn Godinho of first year Civil Engineering participated in Athletics held by Goa University from 18th – 20th January 2018.

Ms. Nargish Khan, Ms. Sakshi Maurya and Ms. Chrinsy Menezes of first year Computer Engineering secured the first place in the Inter-Class Badminton Competition held on 3rd March 2018 organized by Don Bosco College of Engineering, Fatorda.

Ms. Stella Tom of first year Computer Engineering, Ms. Francy Cabral of first year Electronics and Telecommunication Engineering and Ms. Sonia Vasco Da Gama & Carey-Ann Gonsalves of first year Civil Engineering participated in the Inter- College Volleyball Tournament organized by Goa University on 15th March 2018.

Ms. Rutvija Naik of first year Computer Engineering secured the second place in Athletics 400m organized by Don Bosco College of Engineering, Fatorda held on 12th March 2018.

Ms. Rutvija Naik, Ms. Marsha De souse and Ms. Nargish Khan of first year Computer Engineering secured the third place in Athletics Relay organized by Don Bosco College of Engineering, Fatorda on 12th March 2018.

Mr. Neehal Bind of first year Mechanical Engineering and Mr. Sanat Mhapne of first year Civil Engineering together with Shivlay Nayak of first year Computer Engineering and Mr. Siddhant Kunde of first year Electronics and Telecommunication Engineering were Runners – Up in the Inter- College Cricket Tournament organized by Goa University from 27th February to 26th March 2018.

Mr. Nelson Soares of first year Computer Engineering participated in National Handball from 6th – 11th March organized by Madhya Pradesh Handball Association.

Ms. Jocelyn Godinho of first year Civil Engineering secured the first place in Athletics 400m held by Don Bosco College of Engineering, Fatorda on 12th March 2018.

Ms. Benicia Colaco of first year Mechanical Engineering secured the third place in Athletics 400m held by Don Bosco College of Engineering, Fatorda on 12th March 2018.

Ms. Nargish Khan of first year Computer Engineering secured the first place in Athletics 100m held by Don Bosco College of Engineering, Fatorda on 12th March 2018.

Nargish Khan from first year Computer Engineering was awarded a special prize for obtaining 100 /100 in Engineering Mechanics on 16th March 2018 at the annual day celebrations.

PROFESSIONAL CHAPTERS

The college has started a local chapter of National Programme on Technology Enhanced Learning (NPTEL) which provides e-learning through online Web and video courses in Engineering, Sciences, Technology, Management and Humanities.

The first year engineering student's coordinators for NPTEL online courses are Tanmay Bhagat from first year Mechanical engineering, Valini D'Silva from first year Electronics and Telecommunication engineering, Tanvi Shetye from first year Computer engineering and Leon Mario De Souza from first year Civil engineering.

FACULTY INITIATIVES

PAPER/JOURNAL PUBLISHED

Dr. Kala Nayak published a journal paper on "Testing Equality of Parameters of Two Pareto Distributions" in an International Journal of Statistics and Reliability Engineering Vol 4(2), 2017, pp169-175 .

WORKSHOPS/SEMINARS/EXPERT TALKS ATTENDED

Asst. Training and Placement Officer Avila Naik attended a workshop on "Nuclear Technology: Scripting National Development" organized by Media Relations and Public Awareness Section, Bhabha Atomic Research Centre, Mumbai on 3rd February 2018.

Asst. Prof. Harison Cota attended a workshop on "Documentation using Latex" organized by Dr. RV Pai under Board of Extra Mural Studies and Extension Services, Goa University from 24th February to 24th March 2018.

Asst. Prof. Harison Cota attended a workshop on "Phase Transitions and their Technological Applications" organized by Global Initiative of Academic Networks from 5th to 19th March 2018.

UPCOMING EVENTS

An Orientation Programme will be conducted for the first year engineering students in the first week of July to bridge the gap between the 12th Standard and the core subjects of first year Engineering.

An Inaugural Programme for the first year engineering students will be held on 9th July 2018.

An Orientation Programme will be conducted for the parents of the first year engineering students on 14th July 2018.

SEEDS inaugural to be held on 11th August 2018.

A field visit will be organized for the first year engineering students under the SEEDS banner on 29th September 2018.