



Luminoso

Science and Humanities Department's Newsletter

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Upcoming Events

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 classes as well as helps the students 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)

The SEEDS association organized a talk on 'Relationships' for the first year engineering students on 28th January 2017 delivered by Mrs. Nirmala Rebello, the Head Counsellor of Carmel Higher Secondary School, Nuvem.



A meditation session was conducted by Twin Hearts members Ms. Dikshita Desai and Subrada. Ms. Dikshita gave a brief outline of the different methods of meditation. She also demonstrated techniques to relax and calm the minds and suggested a few simple exercises to attain a healthy lifestyle.



On the same day Flameless Healthy Cooking Competition was held. Each of

the branches participated enthusiastically with four teams from each class. They were judged on presentation, nutritional value and calories, balance of flavors, cleanliness of workstation and the best use of a special red color ingredient. Computers bagged the first place, mechanical second and civil were adjudged the third place. Inter-class Quiz Competition was held based on the theme health and fitness. The ETC class won the competition, while Mechanical secured the second position and Computers third. All these activities were held to make the students aware of the importance of health care in their daily routine.

The event concluded at 4:15 p.m. with the unveiling of the SEEDS Rolling Trophy and declaration of the winners. ETC secured the first position, while Mechanical second, and Civil third.

The final SEEDS event for the academic year was held on the 25th March, 2017. The event began with a talk on Networking and Cyber Security delivered by Asst. Prof. Mithil Parab, Department of Computer Engineering. He explained to the students the various fundamentals of Computer Security and how a few basic security measures can help one secure themselves on Social Media and anywhere else on the Internet. He also demonstrated a few backdoor entry routes utilized by hackers to gain access to data. He also gave the students a few tips on how they should protect themselves online.

The next event held was the 'Minute to Win it' competition, in which the students had to use their basic skills and knowledge of Entry Level Physics. The motive was to do as much of the specified task within a minute. The first place was bagged by the F.E. Mechanical Class. An off stage Poster Competition on the theme 'Engineering and the Environment' was held, in which the students from F.E. ETC secured the first place.

While the 'Minute to win it' was being held



in the hall, the students had another competition in the off-stage section where they had to design Bridges with the help of trusses using only Ice Cream sticks, Glue and thread. At the end of the event a variety of bridges were displayed. The best bridge that withstood a weight of 14kg was built by the F.E. ETC.



In the session after refreshments, the F.E. ETC Class presented a talk on R/C Car Building where they showed the students the various software's used in controlling the mechanical parts of the car. They also showed the basic hardware required and the connections made on a prototype they had created. They also told the students about the various limitations and hurdles that they might encounter while engaging in this project.



Post lunch included an interesting Mock Parliament session, in which the students who posed as Members of Parliament put forth various issues such as Women Empowerment, Defense Spending, National Language etc. and engaged in meaningful discussions and passed bills giving the students a brief outlook on how the democratic system works. The competition was won by the F.E. Mechanical Class.

The event ended with the Valedictory Function, in the presence of Director – Rev.Fr. Kinley D’Cruz, Principal- Dr. Neena Panandikar, HOD- Science and Humanities –Asst.Prof. Harison Cota, SEEDS staff coordinator- Asst. Prof. Vaishali Parkhi and SEEDS Chairperson – Ms.

Subrata Rai. F.E. ETC were declared winners for the SEEDS events held all through the academic year with F.E. Mechanical in 2nd place, F.E. Civil in 3rd Place and F.E. Computers in 4th place. The rolling trophy was presented to the winning team by Rev. Fr. Kinley D’cruz and Dr. Neena Pannadikar.



EXPERT TALKS

“Learning to Build Relationships” By Mrs. Nirmala Rebello

Mrs. Nirmala Rebello, the Head Counselor of Carmel Higher Secondary School, Nuvem delivered a talk to first year students on 28th January 2017 about various types of relationships which were relevant to the age group of the students. The students also took the opportunity to put forward their doubts and views in front of the esteemed speaker and she managed to help the students understand the various aspects of looking at a relationship. She concluded her talk with a short questionnaire with ‘Yes’ or ‘No’ answers which enabled the students to check whether they are in a healthy relationship or not.



ACHIEVEMENTS & FELICITATION

CULTURAL

- Ms. Subrata Rai of first year Civil Engineering and Ms. Siddhi Dessai of first year Electronic and Telecommunication Engineering participated at K-OSS in Tug of War organized by S.S.Dempo College on 7th-8th February 2017.
- The following students participated at INSIGHT 2017 in events such as Sugar Rush, Futsal Overload, Sell it to Win it, Pokemon Go, Mr. & Ms. Insight, 3rd Degree, Mash up and Tug it, organized by Don BOSCO College, Panjim on 22nd-23rd February 2017, the faculty coordinators being the counsellors Maya Lin Noronha and Grebian Alemao:
Mark Gonsalves, Sherwin Dourado, Joel Colaco, Sheltan da Silva, Reuben Gouveia, Danira Vaz, Yash Ajgaonkar, Rose Rhea Rebelo, Johan Godinho, Denilson Franco, Keegan Pinto, Leif Fernandes and Saurabh Naik.
Reuben Gouveia from first year Mechanical Engineering and Danira Vaz from first year Civil Engineering secured first place in Sell it to Win it.

- Rohan Babuso Naik Borkar from first year Mechanical Engineering participated in HAPPENINGS on 3rd march 2017 organized by Goa College of Engineering.
- The following students were awarded the first prize in State level Skit competition organized by Collectorate office on 24th January 2017, the faculty coordinators being the counsellors Maya Lin Noronha and Grebian Alemao: Rohit Martires, Sheetal Pharakate, Shaunak Bale, Raviraj Bhagat, Sherwin Colaco, Amish Da Silva, Gautam Desai, Siddhi Desai, Ashwin Faldesai, Keith Prazeres, Swizel Monteiro, lasandra Fernandes, Saif Sayed, Neha Shanbhag and Yash Azgaonkar.



TECHNICAL

- Noah Gomes and Johan Godinho from first year Mechanical Engineering participated in Tangentia- Jigyasa Quiz organised by Tangentia Inc. held on 19th April 2017. Counsellor Maya Lin Noronha was the faculty coordinator.
- Rohan Babuso Naik Borkar from first year Mechanical Engineering participated in AutoDesk Fusion 360 on 4th-5th February 2017 organized by BITS, Pilani.
- Rohan Babuso Naik Borkar from first year Mechanical Engineering participated in Line Follower held on 16th March 2017 and a Quiz held on 17th March 2017 organized by Goa College of Engineering.
- Steven Fernandes and Sherwin Dourado from first year Mechanical Engineering participated in Waste water PPT competition held on 22nd March 2017 organised by IEI. Assistant Professor Sharad Shanbhag was the faculty coordinator.
- Steven Fernandes and Keegan Pinto from first year Mechanical Engineering secured the first place in Thermo fest- Debate held on 25th March 2017 organized by Mechanical Department, Don Bosco College of Engineering Fatorda.

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 Chinmay Kakodkar from first year Mechanical engineering, Vrunda Asolkar from first year Electronic and Telecommunication engineering, Pablo Mascarenhas from first year Computer engineering and Ibrahim Shaikh from first year Civil engineering.

FACULTY INITIATIVES

PAPER/ JOURNAL PUBLICATIONS

- Dr. Kala Nayak presented a paper titled "System reliability estimation in multi-component stress-strength model: mixture of two-exponential" at the two-day national seminar on "Statistical inference & stochastic modeling" held at Department of Statistics, Karnataka University, Dharwad on 22nd and 23rd February 2017.

WORKSHOPS/SEMINARS/EXPERT TALKS ATTENDED

- Asst. Prof. Roseline Fernandes attended a one week workshop on "IoT with Cloud" organized by Don Bosco College of Engineering, Fatorda on 2nd – 6th January 2017.
- Asst. Prof. Natasha D'souza e Jaques attended a Regional Workshop on "Outcome Based Learning Using Pedagogy Framework Model" at BITS Pilani-KK Birla Goa Campus with support from IIT Kharagpur on 10th – 11th February 2017.
- Asst. Prof. Gladys D'Silva attended a seminar on "15th Annual Convention of Association of Chemistry Teachers Goa" on 25th February 2017 organized by Association of Chemistry Teachers Goa and V Dempo Higher Secondary School.
- Asst. Prof. Roseline Fernandes attended an International Seminar on Higher Education and its Management organized by Rosary College of Commerce and Arts on 14th march 2017.
- Asst. Prof. Purushottam Verlekar attended a workshop on "Geoscience and Mineral Resources" organized by Department of Earth Science, Goa University on 17th March 2017.
- Dr. Kala Nayak and assistant professor's Vaishali Parakhi, Natasha D'Souza e Jaques and Zebalda Vas attended a workshop on "Teaching Strategies in Mathematics" organized by Department of Mathematics, BITS Pilani-KK Birla Goa Campus on 28th – 29th April 2017.

UPCOMING EVENTS

- Two events under SEEDS are planned to be organized on 9th September and 14th October 2017.
- An ISTE- STTP workshop on “Statistical Techniques and Tools in Research Methodology” to be held from 6th – 10th November 2017.
- The seventh international conference on Security, Privacy and Applied Cryptographic Engineering (SPACE 2017) to be held on 13th – 17th December 2017.