

# Luminoso

Science and Humanities Department's Newsletter

Volume 03, Issue 02, January - June 2019

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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 programs 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'.

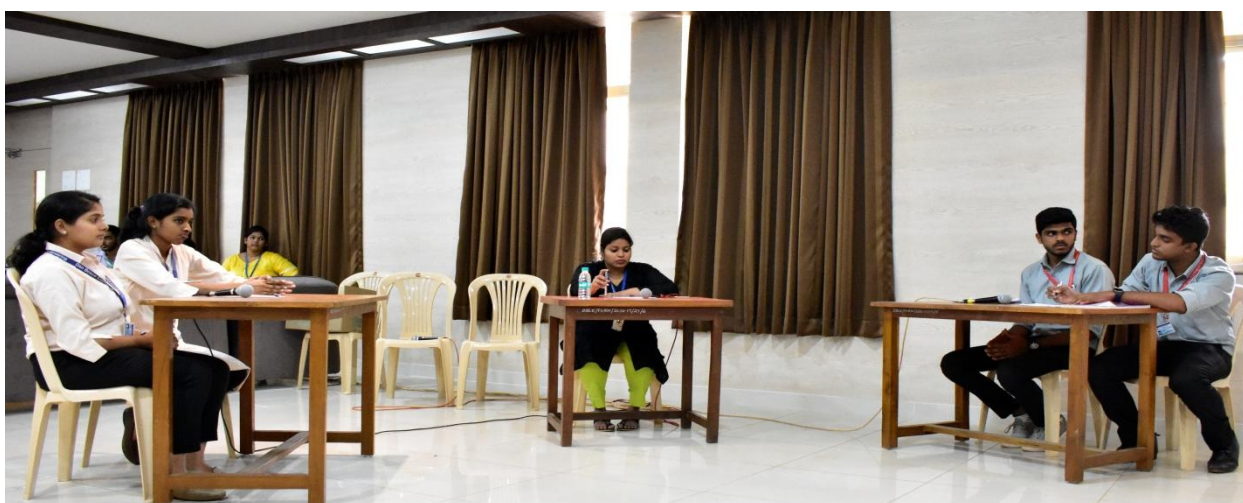
The department has three laboratories - Physics Laboratory, Chemistry Laboratory and Language Laboratory. Physics Laboratory- Physics being an integral part in Engineering and Technology creates awareness for the students to understand the fundamental concepts of Engineering and Technology. In brief, 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. Language Laboratory –The language lab is equipped with I-Tell Orell Digital Software (Premium P1) so as to improve effective communication through practical exercises.

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

## STUDENTS' CORNER

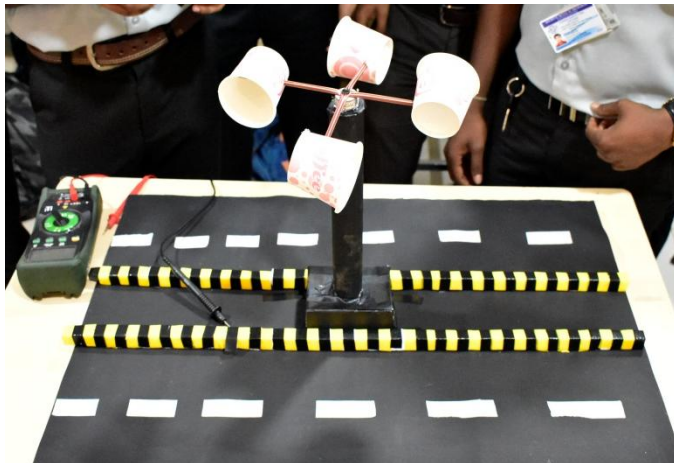
### STAIRWAY TOWARDS EMPOWERING ENGINEERING DREAMS TO SUCCESS (SEEDS)

The 3<sup>rd</sup> event of SEEDS for the academic year was held on 8<sup>th</sup> February 2019. The students participated in various events: Science Exhibition, Market It, What's the Issue, Tech-Play and Photography.



In the Science Exhibition, the students worked on various projects which were judged by Prof. Michelle Aruajo (Department of Electronics & Telecommunication Engineering) and Prof. Christina Barretto (Department of Computer Engineering). FE Mechanical 1 secured the first place. Staff Coordinators were Prof. Gladys Dasilva and Prof. Deizy D'souza. The student Co-ordinator was Mr. Shivam Naik.

The theme for photography was 'Breads of Goa'. FE Computer was declared the winner by the judge Mr. Rolland Gomes. Staff Coordinator was Prof. Sanford Mascarenhas. The student Co-ordinator was Mr. Shannon Fernandes.



In Market It, the students gave a power point presentation on the technical product that they would intend to sell in the market. The students were judged on innovation, presentation skills and communication. FE ETC bagged the first place. The event was judged by Prof. Jefferey Valadares (Department of Civil Engineering) and Prof. Selvyn Fernandes (Department of Electronics & Telecommunication Engineering). Staff

Coordinators were Prof. Vaishali Parakhi and Prof. Natasha D'souza e Jaques. The student Coordinator was Ms. Jyoti Kumari.

Post lunch, the students of FE Civil and FE ETC took part in the final round of debate on "Can the law keep up with today's internet technology?" The judges for the event were Mr. Sumeet Naik and Prof. Gaurang Patkar (Department of Computer Engineering). The students of FE ETC bagged the first place. Staff Coordinators were Prof. Avila Naik and Prof. Steefni Cruz. The student Coordinator was Ms. Krupashri Koli.



In the Tech-Play the students enacted the roles of the lives of scientists. The judges for the event were Prof. Sanjeel Naik (Department of Mechanical Engineering) and Prof. Amey Kerkar (Department of Computer Engineering). The students of FE ETC and FE Computer tied up at the first place. Staff Coordinators were Prof. Roseline Fernandes and Prof. Ulpa Waiangankar. The student Coordinator was Mr. Nikhil Chinchwade.



The students of first year under the guidance of Mrs. Maya Lin Noronha and Ms. Grebian Alemao organized a canteen in which various snacks were sold. Also, the students put up a game stall for the event which was organized under the guidance of Prof. Sanford Mascarenhas.

The documentaries on the field trip prepared by students were shown to the audience. The Chairperson of SEEDS Mr. Shivam Naik motivated the students towards the plan for the next event which will include interacting with underprivileged children.

The students were allotted points for participation and attendance which was monitored by Ms. Samprita Ghadi. The event was a learning experience for the students.

The final event for SEEDS 2018-19 was held on 23<sup>rd</sup> March 2019. The Highlight of the event was the workshops held for the students of National Open School – Loyola-Navelim.



The students were introduced to various concepts on Chemistry, Physics, Mathematics, Drawing, and Craft and also witnessed sessions in the language Laboratory. These sessions were conducted by the students of First year, Don Bosco College of Engineering-Fatorda. The purpose of this event was to create social awareness as part of community initiative on imparting quality

education to all walks of life. The students from National Open School – Loyola-Navelim enjoyed the sessions and impressed upon the organizers that they would wish to visit Don Bosco College of Engineering-Fatorda in the future for more workshops.

The students of first year at Don Bosco College of Engineering-Fatorda took part in competitions such as: Poster making, Clay Modelling, Flameless Cooking, Best out of waste, News Channel anchoring, Motivational talk and Talent round. This list of winners for the same are mentioned below:

<b>Events</b>	<b>Winners</b>
Poster Making	FE ETC - Jane Luenna Fernandes, Sahil Sawant, Alric Carvalho, Lyzen Alicia Barreto
Clay Modeling	FE Comp - Mulgaonkar Saurabh Sajjan, Acharya Sai Prassana, Bandekar Sanket Mangesh, Menezes Leon Batisto Germano
Flameless Cooking	FE ETC - Skylia Angslete Estibeiro, Myola Jovita Dias
Best Out of Waste	FE Comp - Nagvenkar Swapnil Sanjay, Fernandes Russel Fitzval, Naik Aachal Mahesh
News Channel	FE ETC - Aishwarya Karapurkar, Gnanesh S., G. Saagar, Rajiv Baracho, Jovsan Fernandes, Utkarsh Bokade
Motivational Talk	FE Civil - Nikhil Chinchawade
Talent round	FE Mech 1 - Bradley Rodrigues, Keenan Cardozo, Chris Fernandes, Higgins Barreto, Melvyn Dcosta, Fletcher Dcosta

The event ended with a valedictory function graced by the presence of Fr. Paul D'Souza-Rector, Fr. Kinley D'cruz-Director, Dr. Neena Panandikar-Principal, Dr. Kala Nayak-Registrar & Head of Department of Science & Humanities.

Dr. Neena Panandikar in her address to the students encouraged them to start materializing their dreams from the first year itself.

Rev. Fr. Kinley D'cruz impressed upon the students to invoke the passion within them to achieve their dreams.



Certificates and prizes were then distributed to the students for their impressive participation during the events for SEEDS.

FE Computers were declared the winners for SEEDS 2018-19 and were handed over the trophy at the hands of Rev. Fr. Kinley D'Cruz.

The vote of thanks was delivered by Mr. Nikhil Chinchawade. The comperes for the event were Ms. Berny Dias, Ms. Anchita Maity, Ms. Neha Joshi, Mr. Lysander Fernandes and Mr. Tanishq Kulkarni.

# ACIHEVEMENTS & FELICITATION

## CULTURAL

- Mr. Ratik Sawant and Mr. Larison Gama from FE Civil participated in the Inter-Collegiate Essay Competition at VVM's Shree Damodar College of Commerce and Economics on 30 January 2019.
- Mr. Allister Costa, Mr. Clayton Pereira, Mr. Shane Gomes, Mr. Bradley Rodrigues, Mr. Saideep Phadte, Mr. Majaz Shaikh, Mr. Ketan Parsekar, Mr. Amey Tilve, Mr. Pranay Tari and Mr. Raj Telang participated in Vistara 2018 at Parvatibai Chowgule College of Engineering on 12 February 2019.

## SPORTS

- Mr. Bipin Pagare from FE Electronics and Telecommunication Engineering has represented Goa for Under 19 Men's Cooch Behar Trophy organized by The Board of Control for Cricket in India from 31<sup>st</sup> December 2018 – 03<sup>rd</sup> January 2019 and 21<sup>st</sup> January 2019 – 24<sup>th</sup> January 2019.
- Mr. Jateen Gaonkar, Mr. Pranay Tari and Mr. Krishnakumar Gaonkar from first year Computer and Mechanical engineering were part of the Men's Volleyball team from 22<sup>nd</sup> Jan to 25<sup>th</sup> Jan 2019.
- Ms. Saili R Naik, Ms. Berny Dias and Ms. Sheena Mashelkar from the first year ETC, Civil and computer Engineering were part of the Women's Volleyball team from 22<sup>nd</sup> Jan to 25<sup>th</sup> Jan 2019.
- Mr. Muktesh Nayak, Mr. Alister Costa, Mr. Jez Vaz and Mr. Edward Fernandes from the first year ETC and Civil Engineering were part of the Men's Handball team from 22<sup>nd</sup> Jan to 25<sup>th</sup> Jan 2019.
- Mr. Flint Leitao and Mr. Rajay Naik from first year Mechanical engineering were part of the Cycling team at Goa University from 22<sup>nd</sup> Jan to 25<sup>th</sup> Jan 2019.
- Mr. Krishna Kharat and Mr. Sapnesh Jangli from first year Mechanical engineering and Civil Engineering were part of the Men's Kho - Kho team from 22<sup>nd</sup> Jan to 25<sup>th</sup> Jan 2019.
- Ms. Shreya Nai, Ms. Khajnekar Rushika and Ms. Miranda Eliza from first year Mechanical engineering and Civil Engineering were part of the Women's Kho - Kho team from 22<sup>nd</sup> Jan to 25<sup>th</sup> Jan 2019.
- Ms. Deepali Singh from FE Electronic and Telecommunication Department participated in the Inter-University Womens' Cricket Tournament at Nagpur University from 28<sup>th</sup> January to 6<sup>th</sup> February.
- Mr. Shaikh Majaz, Mr. Gawande Sriyash from FE Mechanical II and Mr. Pagare Bipin from FE Electronic and Telecommunication Engineering participated for Men's Cricket at Goa University from 21 February 2019 – 18 March 2019.

## TECHNICAL

- Ms. Berny Dias, Ms. Avisha Satarkar, Mr. Gandhar Rane, Mr. Saiesh Mandrekar, Mr. Ahmed Shah, Mr. Omkar Bhandari, Mr. Sahil Chitrapur, Mr. Sourabh Gauns Dessai, Mr. Alroy Gama

and Mr. Nigel Mendonca attended a Workshop on Engineering Ethics And Code Of Safety, Wintermester 2019 at BITS, Pilani – Goa on 11/01/2019.

- Mr. Pereira Nikhil, Mr. Rajay Naik, Mr. Thousif Agadhi, Mr. Parth Kushte, Mr. Gurav Ravindra , Ms. Sufiya Ali, Mr. Clayton Pereira, Mr. G. Saagar , Ms. Berny Dias, Mr. Keenan Cardozo, Mr. Sarvesh Rane, Mr. Shannon Fernandes, Mr. Shalom D'Costa , Gnanesh S. , Mr. Uttam Kalangutkar attended the 4th Edition of Science Film Festival of India, SCIFFI'19 at Panaji from 17<sup>th</sup> to 19<sup>th</sup> January 2019.
- Ms. Jaitali Kunkalkar, Ms. Shradha Sawant and Ms. Neha Joshi successfully completed an Honour Code Certificate in C2CEN1Xs19 English for Oral Communication (Online) conducted by IIT, Bombay X from 19 February 2019 – 17 April 2019.

## 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 Parth Kushte from first year Civil Engineering, Vedant Kerkar from first year Mechanical Engineering, Ronan Noronha from first year Mechanical Engineering, Deepali Singh from first year Electronics and Telecommunication Engineering and Shivam Naik from first year Computer Engineering.

## FACULTY INITIATIVES

### Departmental Café

The Department has restarted the Lecture Series named As Café Session where the faculty delivers a talk on any topic related to their field to enlighten the audience. As part of this initiative Asst. Prof. Sanford Mascarenhas delivered the talk on Gemology and Asst. Prof. Grebian Alemao delivered a talk on Emotional Intelligence on 12<sup>th</sup> January 2019. Asst. Prof. Avila Naik did a movie review of Tuesdays with Morrie and Fr. Austin Fernandes spoke about group dynamics and how important it is at workplace to treat each other as family on 23<sup>rd</sup> March 2019.

### WORKSHOPS/SEMINARS/EXPERT TALKS ATTENDED

- Dr. Kala Nayak, Deputy HOD Harison John Cota, Asst. Prof. Gladys Da Silva, Asst. Prof. Natasha Jaques, Asst. Prof. Vaishali Parakhi, Asst. Prof. Roseline V.C. Fernandes, Asst. Prof. Avila Naik, Asst. Prof. Jyoti Lewis, Asst. Prof. Steefni Ema Cruz, Asst. Prof. Ulpa Waingankar and Asst. Prof. Sanford Fritz Mascarenhas attended the Workshop on IPR and Ideation at Don Bosco College of Engineering on 6<sup>th</sup> December 2018.
- Deputy HOD Harison John Cota attended a one day workshop on Intellectual Property Rights (IPR) Awareness Programme at Goa University on 11 December 2018.

- Deputy HOD Harison John Cota attended a half day workshop on Cognitive Skills, Design Thinking & Critical Thinking at Don Bosco College of Engineering on 29 December 2018.
- Asst. Prof. Steefni Ema Cruz attended a one-day Moodle Workshop at IIT, Bombay on 1<sup>st</sup> March 2019.
- Deputy HOD Harison John Cota attended a one day seminar on UGC Regulations 2015 (Redressal of Sexual Harrasment of Women at work place) and UGC Regulations 2009 on curbing of Ragging at Goa University on 02<sup>nd</sup> March 2019.
- Asst. Prof. Maya Lin Noronha and Asst. Prof. Grebian Alemao attended the National Seminar on the Development of Indian Constitution and the Contemporary Challenges to Modern India organized by Department Of Social Work at Don Bosco College – Panaji on 5<sup>th</sup> and 6<sup>th</sup> March 2019.

### WORKSHOPS/SEMINARS/EXPERT TALKS CONDUCTED

- In association with IIT, Bombay, Asst. Prof. Steefni Ema Cruz conducted a one-day Moodle Workshop at Don Bosco College of Engineering on 15<sup>th</sup> March 2019.

## 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 12<sup>th</sup> Standard and the core subjects of the first year Engineering.
- An **inaugural Programme for the first year engineering students will be held on**
- As part of the Orientation, a field visit will be organized for the first year engineering students on 5<sup>th</sup> July 2019.
- An Orientation Programme will be conducted for the parents of the first year engineering students on 12 July 2019.
- SEEDS inaugural to be held on 24 August 2019.