

Luminoso

Science and Humanities Department's Newsletter

Volume 06, Issue 01, July - December 2021

Inside this issue

◆ Student Corner ◆

- Orientation for FE Students
- Orientation for Parents of FE Students
- Achievements & Felicitations
- Professional Chapters

◆ Faculty Initiatives ◆

- Departmental Café
- Department Research and Development Sessions by Faculty
- DB3D Conference
- Workshops/ Seminars / Expert Talks Attended
- Workshops/ Seminars / Expert Talks Conducted

Upcoming Events

Editors:

Ms. Steefni Ema Cruz (Faculty)

Mr. Reuben Fernandes (Student)

VISION

To build a stairway, empowering engineering dreams to success, broadening intellectual perspectives, fostering research and developing ethical humane engineers for the global world.

MISSION

- To achieve academic excellence through intellectual pursuits, promoting research abilities, implementing innovation through a multidisciplinary approach towards technological advancements.
- Fostering team spirit, professional conduct, personality development and building skilled human resource.
- Striking a balance between nurturing the environment and technological advancements.

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 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'.

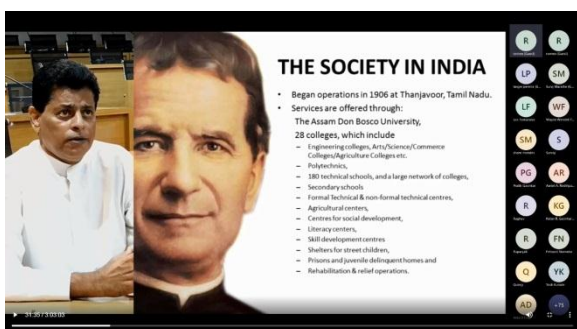
The Department of Science and Humanities offers courses in Engineering Mathematics, Applied Sciences (Physics & Chemistry), Technical Communication and Communication Skills. These courses enhance the applicative aptitude of the students in various branches of

engineering.

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 laboratory is equipped with Orell Talk Pro-Pro Version Software so as to improve effective communication through practical exercises from the comforts of their homes due to the Covid19 Pandemic. Research also forms an integral part of the development of the Department of Science and Humanities.

STUDENTS' CORNER

ORIENTATION FOR FIRST YEAR ENGINEERING STUDENTS



As mandated by the AICTE Model Curriculum, the department of Science & Humanities of Don Bosco College of Engineering conducted a two-week Student Induction Programme for the newly inducted first year engineering students. Due to pandemic the Induction Programme was held in online mode through Microsoft Teams & Google Meet platform. The programme was hosted by the FE class teachers Mrs. Gladys Da Silva, Ms. Ulpa Waingankar, Ms. Steefni Cruz, Mr. Harison Cota and Mrs. Vaishali Parakhi, along with

Mrs. Natasha D'Souza, Mrs. Maya Lin Noronha and Ms. Grebrian Alemao. The Induction Programme was co-ordinated by Institute Induction Programme Cell (IIPC) members Mrs. Gladys Da Silva & Mr. Harison Cota under the leadership of Prof. Kala R. Nayak, Registrar & HOD, Science & Humanities Department. The schedule of the Programme was meticulously prepared keeping in mind the norms and recommendations set in the model curriculum.

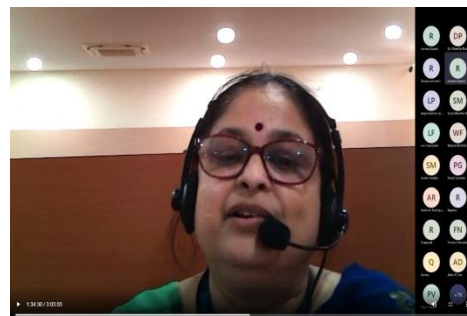
Day 1 (4 October 2021)

In the morning session the students were welcomed and addressed by the Director, Rev. Fr. Kinley D'Cruz and Principal Dr. Neena Panandikar. The director briefed them about the history of Don Bosco, the Salesian family and the various Don Bosco institutes in Goa. The principal gave a general overview of the various activities and achievements of the college.

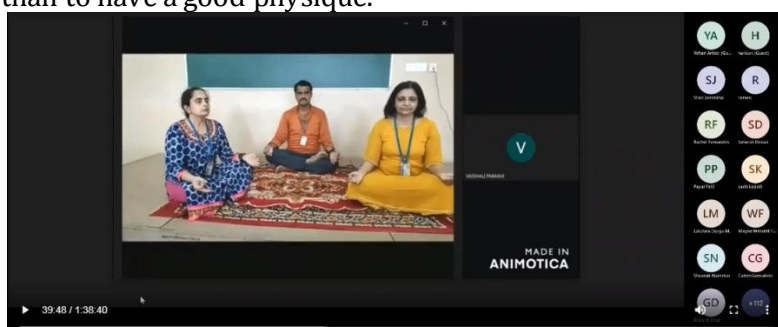
In the afternoon session, Rev. Fr. Ralin De Souza, Administrator, DBCE, gave a session on the Don Bosco's Spirit, wherein he spoke about the Don Bosco's preventive system of education and encouraged the students to take active part in all the activities carried out at DBCE.

Day 2 (5 October 2021)

The morning session began with yoga exercises conducted by Mrs. Vaishali Parakhi, Dr. Suraj Marathe & Prof. Kala R. Nayak. This was followed by a talk on Health & Nutrition by Dr. Joline Fernandes,



Immunity, Lifestyle & Wellness Consultant. Dr. Joline, in her talk, emphasised that it is important to eat to be healthy rather than to have a good physique.



In the afternoon session, the HODs of the different departments, Dr. Shwetha P. (Civil), Mr. Ajit Salunke (Mechanical), Prof. Varsha Turkar (ETC) and Dr. Gaurang Patkar (Computer) interacted with their respective branch students and enlightened them about the vision, mission of the department, activities of the department and the NBA accreditation process.

Day 3 (6 October 2021)

In the morning session, Ms. Avila Naik, Training & Placement Officer, gave an overview of the career options available to engineering graduates including higher studies and becoming entrepreneurs. She



also detailed the activities conducted by the placement cell. The next session was by Ms. Poonam Shirsat, Founder Director, The Skill Company. In her session “Facing Challenges with a Smile”, Ms. Shirsat actively engaged the students encouraging them to have a positive mind set. She, however, could not complete her session due to network issues.

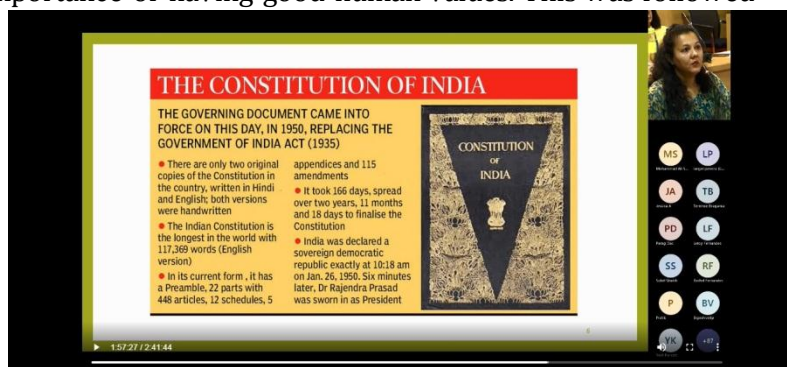
In the afternoon the students were given an insight into the Cultural, Sports, NSS and SEEDS activities at DBCE by the respective faculty co-ordinators Mr. Amey Tilve, Dr. Avertano Barreto, Mr. Chetan Gaonkar & Ms. Ulpa Waingankar. Mr. Yeshudas Muttu briefed the students about IEEE students chapter while TPO. Mrs. Avila Naik spoke about the activities of the Entrepreneurship Cell (E-cell) including the “Entrepreneurship: Idea to Startup” Audit Course.

Day 4 (7 October 2021)

The day began with a session on “Universal Human Values” by Mr. Selvyn Fernandes in which he highlighted, with practical examples, the importance of having good human values. This was followed

was Ms. Shirley Sousa, Lawyer, giving a talk on the Constitution of India. Ms. Sousa emphasised on the Preamble and also made the students aware of the fundamental rights & duties as enshrined in the Constitution. The session concluded with a quiz on the Constitution of India.

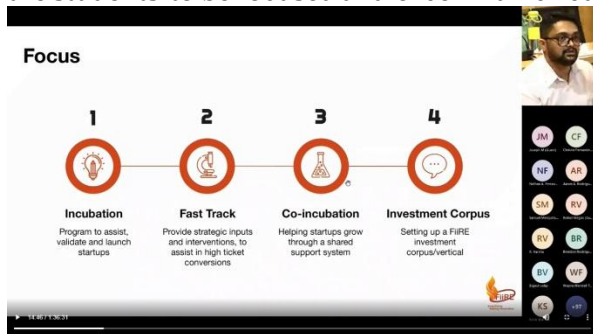
In the afternoon session, Mrs. Maya Lin Noronha, Ms. Steefni Cruz & Ms. Ulpa Waingankar actively engaged the students in fun activities & games. The students too showcased their talents in art and singing.



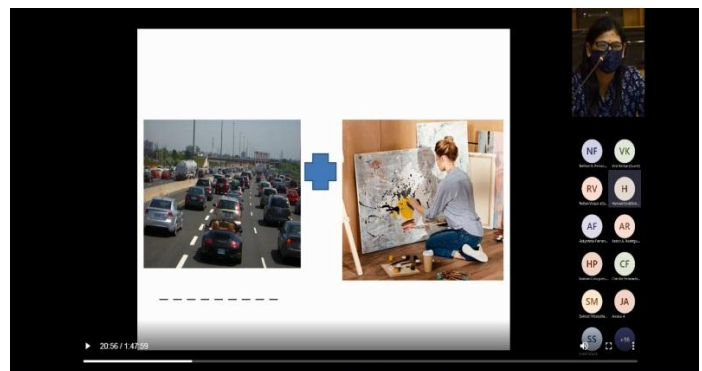
Day 5 (8 October 2021)

The first session for the day was “Role of Engineers in Society and Industry”, which was conducted branch wise with faculty from respective branches, Mr. Jeffrey Valadares (Civil), Mr. Sachin Turi

(Mechanical), Mrs. Trima Fernandes (ETC) and Dr. Vivek Jog (Computer). In the session, the faculty underlined the contribution of engineers in their respective fields. Next, Dr. Dayanand Rao, Medical Officer, GMC gave a motivational talk “Being Positive during COVID”. Dr. Rao encouraged and motivated the students to be focused and excel in all circumstances.



In the afternoon was a session on FiiRE by Mr. Venugopal TR, Incubation Manager, FiiRE. He spoke to the students about the incubation process and the facilities provided at FiiRE, the Startup Incubator at the DBCE Campus. This was followed by another round of games and fun activities conducted by Ms. Grebiana Alemao, Ms. Steefni Cruz and Ms. Ulpa Waingankar along with other faculty from Science & Humanities Department.



Day 6 (9th October 2021)

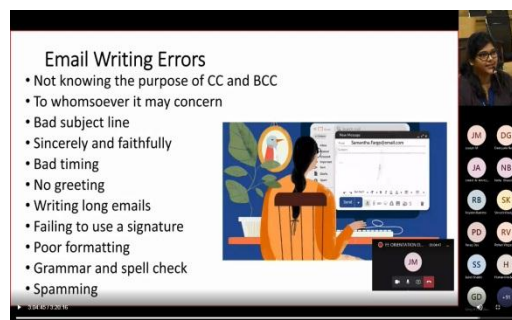
In the morning session the FE students were invited to the campus for a tour of the entire DBCE Campus. In order to maintain distancing, the students from different branches were called at different timings. Faculty from the respective departments along with the FE class teachers showed the students the classrooms, labs, staffrooms, administration sections, seminar halls, common rooms and washrooms, canteen, sports facilities and the FiiRE facility.



Day 7 (11th October 2021)

In the morning session Prof. Kala R. Nayak, Registrar & HOD of Science & Humanities, explained about the FE Curriculum, Grading System and Scholarships which the students can avail of. She further introduced the FE faculty to the students and also briefed the students about the labs and audit courses conducted by the Science & Humanities Department.

This was followed by a workshop on Communication Skills conducted by Ms. Steefni Cruz. The workshop focussed on letter and email writing.



Day 8 (12th October 2021)

Prof. Ankit Tiwari, in the morning session, enlightened the students about cyber security and told them about the precautions we need to take while engaging in social media and online transactions. He also answered students' questions about ethical hacking and dark web.

In the next session, Mr. Roland D'Cruz, Librarian along with Library Assistant Vanessa Fernandes educated the students about the college library system and facilities and gave a demo of the online library portal.

Day 9 (13th October 2021)

In the morning session, Dr. D.S. Vidya explained to the students the NPTEL online certification courses, especially with respect to Goa University BE Honours program and Domain certification which the students can obtain by undergoing NPTEL certification courses. This was followed by briefings about activities conducted in the college through Students Satellite Club, Fire & Security Association of India (FSAI) and Institute Innovation Council (IIC) by the respective faculty co-ordinators Mrs. Mohini Naik, Mr. Saurabh Raikar and Mrs. Michelle Viegas. Further, Ms. Grebian Alemao, Counsellor, explained to the students the mentoring program followed in our institute, while

Mrs. Maya Lin Noronha, Counsellor, gave a session on Time Management.

Day 10 (14th October 2021)

This being the last day of the orientation, in the morning session, Prof. Kala R. Nayak, Registrar and HOD gave information about the Academic Calendar on the current semester. Mr. Harison then displayed and explained the offline/online timetable of the FE classes. In the next session, the senior students and alumni of the respective departments interacted with the FE students and shared their experiences and progress at DBCE.

During the afternoon sessions of Day 7 to Day 10, the students were introduced to the various first semester subjects like Mathematics, Physics, Chemistry, Basic Electrical & Electronics Engineering, Basics of Mechanical Engineering, Environmental Science, Workshop Practice and Communication Skills by the respective faculty. Also, faculty from the respective departments engaged the students in special sessions like PCB design, Technical paper writing, to name a few. Feedback was taken from the students after the morning and afternoon sessions on each day of the Induction Programme in which they mentioned that they had benefited from the various sessions and also gave suggestions for improvement.

ORIENTATION FOR PARENTS OF FIRST YEAR ENGINEERING STUDENTS

An orientation programme was conducted for the parents of the FE students through Microsoft Teams on 9 October 2021. The orientation began with a virtual tour of the college campus through a short video. Rev. Fr. Kinley D’Cruz, Director, then addressed the parents wherein he briefly explained the history of Don Bosco and the various Don Bosco institutes. He also told the parents about the rules & discipline expected from the students in the institute.

Dr. Neena Panandikar, Principal, then, gave an overview of the various activities being held at Don Bosco College of Engineering and highlighted the progress of the college over the recent years. Prof. Kala R. Nayak, Registrar, then informed the parents about the FE scheme of instructions of the 1st & 2nd semester and the grading system as per the new AICTE model curriculum. Further, she briefed the parents about the various scholarships which the students can avail of.

This was followed by the heads of the Science & Humanities, Mechanical Engineering, Civil Engineering, ETC Engineering and Computer Engineering Departments highlighting the activities and achievements of their respective departments. Mrs. Avila Naik, TPO, gave a report of the placement drives and the status of students placed over the recent years. The parents’ orientation was hosted by Mrs. Gladys Da Silva.

Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination					Credits
		L	T	P	TH	SA	TW	F	S	
FE1101	Mathematics-I	3	1	3	100	25	25	100	4	
FE1102	Physics-I	3	1	3	100	25	25	100	4	
FE1103	Basic Electronics-I	3	1	3	100	25	25	100	4	
FE1104	Basic Electrical Engineering-I	3	1	3	100	25	25	100	4	
FE1105	Computer Fundamentals-I	3	1	3	100	25	25	100	4	
FE1106	Engineering Graphics-I	2	2	2	25	25	25	25	1	
FE1107	Engineering Mathematics-I	2	2	2	25	25	25	25	1	
FE1108	Engineering Mathematics-II	2	2	2	25	25	25	25	1	
FE1109	Engineering Mathematics-III	2	2	2	25	25	25	25	1	
FE1110	Engineering Mathematics-IV	2	2	2	25	25	25	25	1	
TOTAL	AA	44	4	44	400	100	100	400	16	

ACHIEVEMENTS & FELICITATION

CULTURAL

- Mr. Syndroy Aroujo from FE Computer, Mr. Xavier Furtado from FE Mechanical II participated in Inter-Collegiate Essay Writing Competition organized by DMC College, Assagao on November 30, 2021.
- Ms. Clarity De Souza from FE Civil participated in the Heartfulness Essay Event 2021 on November 30, 2021.

SPORTS

- Mr. Aires Joe Souza, Mr. Ignatius Jonas D’Silva, Mr. Jes Cardoso, Mr. Akhilesh Naik, Mr. Kim Estibeiro from FE Mechanical I; Mr. Shane Mendes, Mr. Nimish Noronha, Mr. Nolan Goes, Mr. Myron Fernandes, Mr. Paresh Shingadi, Mr. Xavier Furtado, Mr. Prathamesh Shirodkar, Mr. Vishalkumar Singh, Mr. Shriram Verekar and Mr. Mohammed Imran Suhel from FE Mechanical II; Mr. Aaron Afonso, Mr. Anish Mule, Mr. Aryan Rege, Mr. Gavin Da Costa, Mr. Jeston Fernandes, Mr. Joseph Makkimani, Mr. Nathan Ferrao, Mr. Patric Colaco, Mr. Sahil Kholkar, Mr. Samuel Miranda, Mr. Shubham Naik, Mr. Subodh Naik, Mr. Syndroy Araujo, Mr. Yash Madkaikar from FE Computer; Mr. Aaryan Raut, Mr. Aniket Pagi, Mr. Ashish Dhuri, Mr. Avinash Sahani, Mr. Bigesh Velip, Mr. Caden Gonsalves, Mr. Fasil Firos, Mr. Krish Sharma, Mr. Rajt Kashakar, Mr. Rohan Viegas, Mr. Ruebn Rodrigues, Mr. Sidhesh Gaonkar, Mr. Sunraj Naik Gaonkar, Mr. Vignesh Dhulapkar from FE Civil participated in the inter-department Football tournament organized by the Sports Centre of DBCE on December 18, 2021.
- Mr. Aaron Rodrigues, Mr. Cavan Serrao, Mr. Reuben Fernandes from FE Mechanical I; Mr. Varun Castello, Mr. Sachi Bokade, Mr. Shravni Ubale from FE Electronics and Telecommunication Engineering; Mr. Nathan Ferrao, Ms. Glory D’Cruz from FE Computer; Mr. Aaryan Raut, Mr. Fasil Firos, Mr. Rohan Viegas, Mr. Krish Sharma, Ms. Clarita De Souza, Ms. Muskh Sheikh from FE Civil participated in the inter-department Basketball tournament organized by the Sports Centre of DBCE on December 22, 2021.

- Mr. Sunraj Naik Gaonkar, Mr. Ashish Dhuri, Mr. Krish Sharma from FE Civil Engineering participated in the inter-department Table Tennis tournament organized by the Sports Centre of DBCE on December 28, 2021.
- Mr. Aryan Raut from FE Civil Engineering has represented at the National level for Basketball.
- Mr. Prathamesh Shirodkar represents Churchill Brothers at U-20 level and for the Goan Leagues.

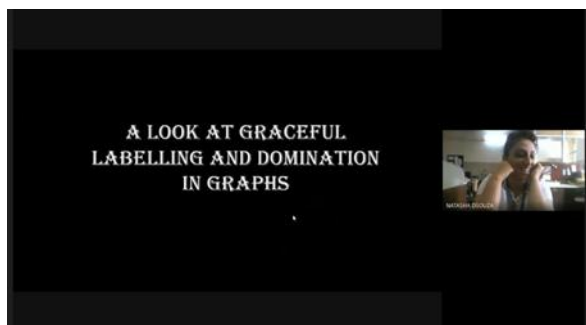
PROFESSIONAL CHAPTERS

Prof. Kala R. Nayak successfully completed a 12 weeks NPTEL course on 'Essential Mathematics for Machine Learning' with a consolidated score of 88% from IIT Madras from July – October 2021. She has also successfully completed a 12 weeks course on 'Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning' with a consolidated score of 91% from IIT Kanpur.

FACULTY INITIATIVES

DEPARTMENTAL CAFÉ

The Department of Science and Humanities had its eleventh Departmental Café Sessions on the 05 July 2021. The resource person for the afternoon was Ms. Jyoti Lewis, Assistant Professor (Communication Skills) of the Department of Science and Humanities. Her session was on the topic 'Understanding God's Design'. She began her session by stating, "Human beings are the most superior form of life on the planet. Undoubtedly, they were created in God's image." We have a brain, but, without any raw materials we cannot make anything. She continued saying, "If we are superior, then there is God's purpose behind the same."



Giving an example of the family system, she said, parents and children have expectations from each other. Similarly, when we turn towards God, there are expectations too. The first step in knowing these expectations is to first find out if we know God. It is a question to personally ponder upon. The second step then would be to give God the first place in our lives. The third step is to strongly believe that God knows every detail of our lives. There is a personal touch to this relationship. Irrespective of the age span of a person, there is an eternity, she said. She called upon each one of us to live our lives in a manner such that life lived on Earth should be a stepping stone for life eternal.

She ended the session by invited us all to introspect on our lives and evaluate our relationship with God. We need to humble ourselves before Him, she said. This session was attended by 12 members.

The next café session was held on the 30 October 2021. The resource person for the evening was Mrs. Natasha D'Souza e Jaques, Assistant Professor (Mathematics) of Don Bosco College of Engineering, Fatorda. She had a hands-on session on the topic 'A Look at Graceful Labelling and Domination in Graphs'.

Mrs. Jaques began her session by introducing us to graceful labelling with an example of a graph. She said that one can depict a real world problem into a graph. Graph theorists, she said, started associating a vertex with a particular number and using some operation they labeled the edges as well. She then

listed out a few methods of labeling graphs, i.e. Graceful Labelling, Anti-Magic Labelling. In her explanation of the graph, she said that vertices can be labelled with the number 0,1,2,3. Once numbers are allotted to the vertices, edges are labeled based on the difference in the labels of the corresponding vertices. Answering to queries on the explanation of the first graph she informed the participants and labeling of graphs has to be distinct and consecutive.

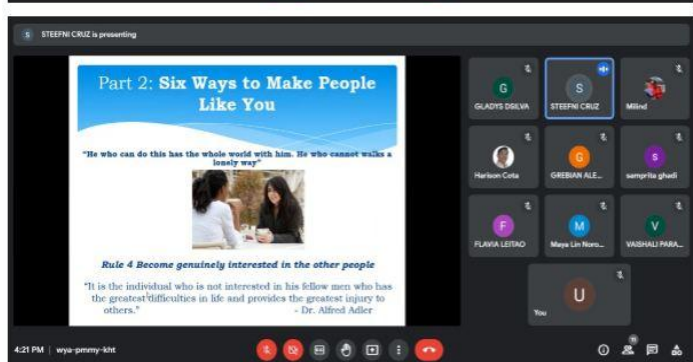
She then welcomed the participants to actively participate in the session by posing 3 graphs and invited the participants to label them. To anyone who successfully completed the task was promised a prize at the end. Mrs. Gladys D'Silva and Mrs. Linda Albuquerque successfully labelled the first graph. Prof. Kala R. Nayak succeeded in labelling the second graph. Mrs. Samprida Gadi and Ms. Ulpa Waingankar solved the third graph.

This session had everyone glued to the screen and having fun with mathematics. She then told us the application of graceful graphs can be seen in communication networks, coding theory and x-ray crystallography. The Resource Person, Mrs Natasha then briefed us on Domination Number with an example. Every element in the dominating set is known to some element or the other in the graph. She said, "A dominating set includes those vertices, such that any vertex in the dominating set exhausts or dominates some or the other vertex in the network." The Domination number, she said, is the number of people or vertices that belong to the set.



She ended the session by posing a question to be solved by the participants, wherein the participants had to find the dominating set. The task was successfully completed by Mrs Vaishali Parakhi. This interactive session was attended by 12 participants.

DEPARTMENT R & D SESSIONS



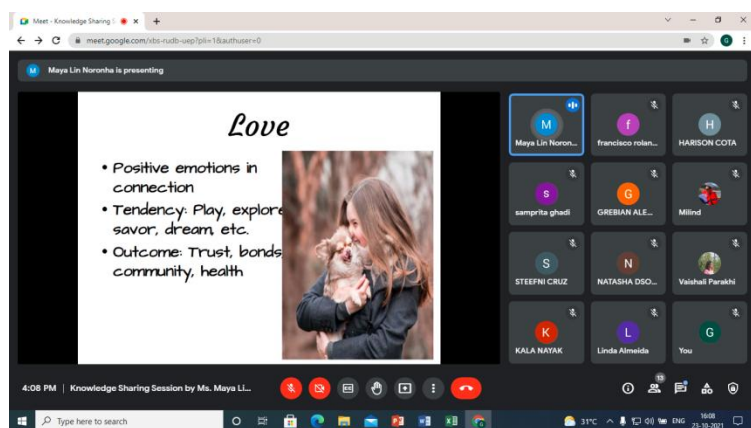
Department of Science and Humanities held its monthly Knowledge Sharing Sessions, under R&D cell on September 23, 2021 through Google meet by Ms. Steefni Cruz on the topic 'How to Win Friends and Influence People' – Dale Carnegie: An Overview, October 23, 2021 by Mrs. Maya Lin Noronha and on November 26, 2021 by Ms. Grebian Alemao.

Ms. Steefni Cruz quoted the following "When dealing with people, let us remember we are not dealing with creatures of logic. We are dealing with creatures of emotion, creatures bristling with prejudices and motivated by pride and vanity." She mentioned, 'How to Win Friends and Influence People' by Dale Carnegie is a self-help classic that reads as a life manual. Ms. Steefni Cruz highlighted the core idea of the book is that one can change other people's behaviour simply by changing their own. She further stated that the book teaches the principles to better understand people, become

a more likable person, improve relationships, win others over, and influence behaviour through leadership. The session touched upon topics like the fundamental techniques in handling people, ways to make people like you, the skill of winning people to your way of thinking and being a leader without arousing resentment or offense. The session aimed at giving a basic overview of the book while also imparting key elements in helping the audience to build on their personalities. The session was coordinated by Mrs. Gladys Da Silva with encouragement from Dr. Kala Nayak- Head of Department – Science & Humanities and was attended by all the teaching as well as non-teaching staff.

Mrs. Maya Lin started her session with a quote from Martin Seligman who said “The aim of Positive Psychology is to catalyse a change in psychology from a preoccupation only with repairing the worst things in life to also building the best qualities in life.” —

She said Scientists from the positive psychology movement, tells us that, to live a good life it is not enough to remove what is wrong with it, but to work on the positivity you have within. We put emotions in a spiral, giving a spiralling effect...a downward spiral for negative emotions and an upward spiral for positive emotions. And so each emotion, implicitly takes as its job to recreate itself in the next minute. And each emotion in this moment affects our emotions in the next moment. Negative emotions differ from positive emotions in that positive emotions are so much more subtle than negative emotion, that is, negative emotions kind of scream at you, and positive emotions are just a little whisper sometimes. It’s interesting that the, positive events happen more frequently than negative events, so we really just need to take notice of the positive events that are already there and appreciating things that are there.



She spoke on 10 different types of frequently experienced common positive emotions. All of these positive emotions are in the order of their frequency in people's daily experience. The Positive emotion that's probably closest to happy would be Joy, followed by Gratitude, Serenity, Interest, Hope, Pride, Amusement, Inspiration, Awe and Love. She then further spoke about how positive emotions help us and how to work on it. She quoted from Rick Hanson, author of Hardwiring

Happiness, suggestion, that pausing to let good events sink in for ten to twenty seconds allows them to become part of you. And this habit can rewire your brain to create a lasting positive psychology inside of you.

She said that there is an analogy with how plants flourish because of Sunlight and a similar heliotropic effect happens in humans, where at some level, your brain knows this, and turns towards sources of positivity, and stretches itself open to take in as much as it can in order to flourish where positivity is crucial for the life of all humans

We were introduced to an experience of Loving Kindness Meditation This meditation, of loving kindness involves generating feelings of warmth, caring, and friendliness toward oneself and others and is a way of developing intentions and concentration. She spoke on the Vagus nerve and how it is really implicated in both psychological health and in physical health. She also spoke on how the immune system responds to stress and adversity. in good times, when you're connected with other people, those emotions of connection kind of warn the immune system that there's a lot of togetherness going on. “Other people matter”, period. At the same time that positive emotions beget health and health begets positive emotions.

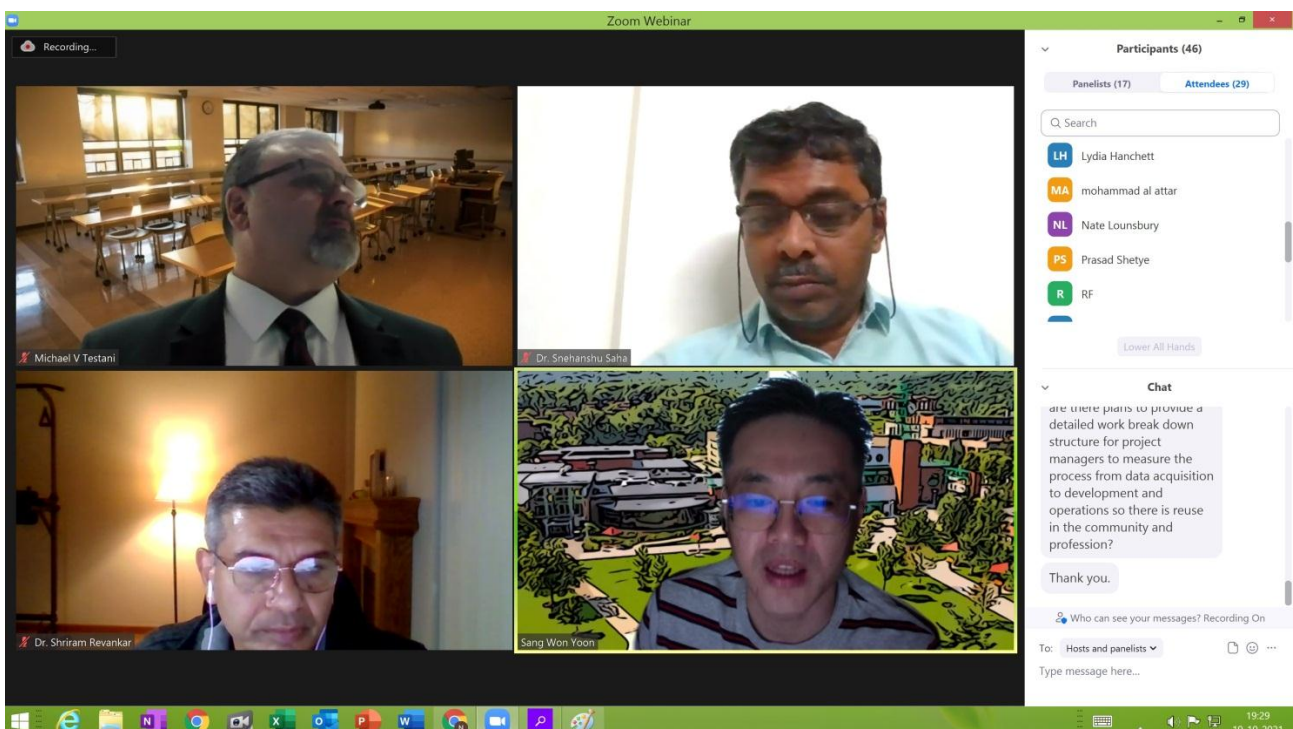
She concluded by saying everything is possible, maybe not immediately, but the very seeds you plant, the very seeds you water will create the future. Take time to quiet your mind, meditate, open your heart, listen to the trees, the voice of nature and just cultivate loving-kindness.

In her session Ms. Grebiam Alemao reviewed the Paper by Asst. Prof. Shefali Srivastava and Asst. Prof. Rooma Kanpur (Axis Colleges). In modern era, it has been observed that stress management has become one of the most substantial concepts in the professional environment. It is also seen that working efficiency has degraded to some extent as professionals are unable to maintain a balance between their personal and professional lives. This difference has made organizations formulate such policies that lead to better job performance which results in job satisfaction moreover employee satisfaction. This degree of satisfaction has been referred to as QUALITY OF WORK LIFE. Quality of work life is a process in an organization which enables its members at all levels to participate actively and effectively in shaping the organizational environment, methods and outcomes. This study focuses on the subjective matter of QWL i.e. its key elements like job security, job performance, employee satisfaction etc.



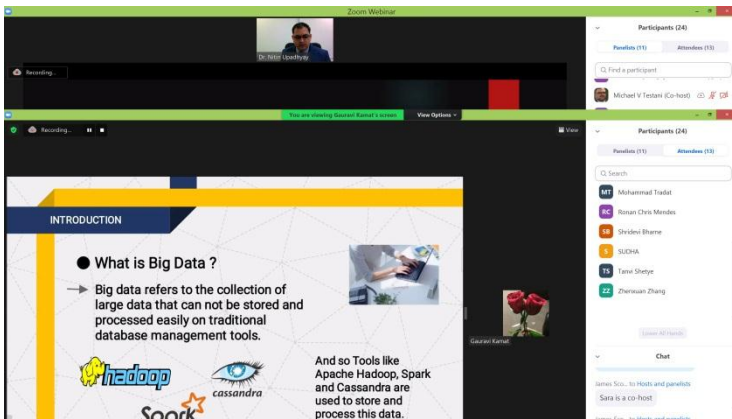
She concluded by giving a questionnaire to each one to assess oneself, followed by some tips to manage stress and improve quality of work life.

DON BOSCO BINGHAMTON BIG DATA INTERNATIONAL ONLINE CONFERENCE DB3D2021



The Department of Science and Humanities, Don Bosco College of Engineering (DBCE) together with Binghamton University (BU) organized the Don Bosco Binghamton Big Data International Online Conference DB3D – 2021 from October 19-21, 2021. A total of 107 participants registered for the conference.

The Conference began with an Inaugural on October 19, 2021, graced by the presence of Rev. Fr. Kinley D'cruz - Director - DBCE, Dr. Mohammad Kasawaneh - Professor; Department Chair; Graduate Director; Professor; Associate Director - BU and Dr. Neena Panandikar – Principal – DBCE. In her address to the audience, Dr. Neena Panandikar referring to DB3D 2021 said, "I am very sure this will be a great



platform for the researchers to exchange vision and ideas to shape our future to discuss how this new knowledge and capabilities can drive progress into the 2021 and beyond.”

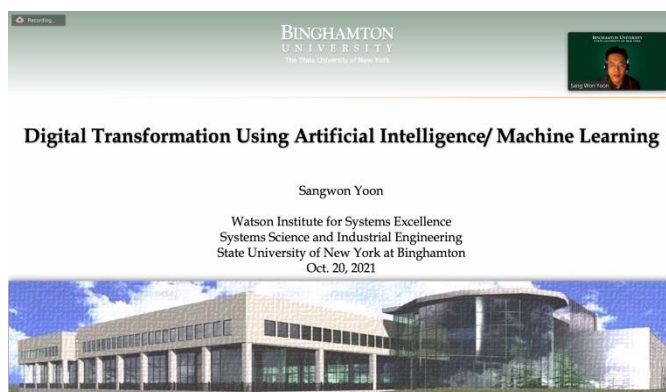
Rev. Fr. Kinley D’cruz relayed the details of the Don Bosco Society. He wished the organisers and participants and further added, “We are coming together to enlarge our horizons and may this learning experience take us far and wide.” Dr. Mohammad Kasawaneh appreciated the

DB3D 2021 team from BU and DBCE and mentioned “We are delighted to have several participants from IBM or joining us as part of the 3-day conference as keynote speakers.”

The participants were enriched by the insights of 11 Keynote speakers, Dr. Hiroki Sayama- Professor, Department of Systems Science and Industrial Engineering, Binghamton University, Dr. Ben Amaba - Global Chief Technology Officer (CTO), Data Analytics and AI Elite Team, Industrial Manufacturing, IBM, Dr. Indiramma- Professor, Department of Computer Science and Engineering, BMS College of Engineering, Bengaluru, Dr. Snehanshu Saha - Associate Professor, Computer Sc. & Information Sys. and APPCAIR, BITS Pilani, K K Birla Goa Campus, Dr. Shriram Revankar - VP and Fellow, Adobe Research Labs Bangalore, Dr. Sangwon Yoon - Associate Professor Dept. of Systems Science & Industrial Engineering, Binghamton University, Dr. Sreekanth Ramakrishnan - Senior Technical Staff Member, IBM Z Hybrid Cloud Strategy, IBM, Dr. Sreejith Nair - Postdoctoral Research Fellow, Research Institute for Autonomous systems, University of North Dakota, Dr. Aruna Gowada - HOD, Computer Engineering Government Polytechnic, Daman, Assistant Director of IT, U.T. of Daman & Diu, Dr. Nitin Upadhyay- Chairperson Integrate Program in Management Co-Chairman Information Technology and Systems, Indian Institute of Management Jammu, Dr. Vivek Jog- Assistant Professor, Department of Computer Engineering, Don Bosco College of Engineering.



Varied topics were addressed by the keynote speakers during the conference as follows: Understanding Diversity, Innovation and Social Evolution: Theoretical and Experimental Approaches, The Process and Approach for Data Analytics, Machine Learning, and Artificial Intelligence becomes Critical for the Future, Big data business models and case studies, Optimization: A Multi-armed Bandit In Deep Neural Nets, AI and Bigdata Algorithms and Challenges, Digital Transformation using Artificial Intelligence/Machine Learning in Electronics Manufacturing, Transforming Client Experience through Industrial Engineering Techniques,



Understanding Diversity, Innovation and Social Evolution: Theoretical and Experimental Approaches, The Process and Approach for Data Analytics, Machine Learning, and Artificial Intelligence becomes Critical for the Future, Big data business models and case studies, Optimization: A Multi-armed Bandit In Deep Neural Nets, AI and Bigdata Algorithms and Challenges, Digital Transformation using Artificial Intelligence/Machine Learning in Electronics Manufacturing, Transforming Client Experience through Industrial Engineering Techniques,

Moving computation from cloud to ground, Frequent Sub Graph Mining, Big Data Crossroads: Maximizing the opportunity and overcoming the challenges, Taxonomy of Big Data Analytics Tools for Beginners.

There were 48 authors who presented their research work at the Conference. The presentations were moderated by Prof. Michael Testani - Director of Industry Outreach- BU and Prof. Kala Nayak - Head of Department of Science and Humanities- DBCE. The closing remarks for the conference were presented by Prof. Michael Testani and Prof. Kala Nayak.

The participants expressed that the talks had indeed added more flavour to their research areas through the feedback they provided. The International Conference was coordinated by Conveners - Prof. Michael Testani - Director of Industry Outreach- BU and Prof. Kala Nayak - Head of Department of Science and Humanities - DBCE and Co-Conveners- Dr. Hiroki Sayama - Professor, Department of Systems Science and Industrial Engineering, BU, Dr. Sangwon Yoon - Associate Professor Dept. of Systems Science & Industrial Engineering, BU, Dr. Kenneth Chiu - Associate Professor-Computer Science- BU, Mr. Harison Cota- Asst. Professor- Department of Science & Humanities- DBCE, Mrs. Natasha D'souza e Jaques- Asst. Professor- Department of Science & Humanities- DBCE.

WORKSHOPS/SEMINARS/EXPERT TALKS ATTENDED

- Prof. Kala R. Nayak, Mrs. Linda Albuquerque, Mrs. Gladys Da Silva, Ms. Ulpa Waingankar, Ms. Steefni Cruz, Ms. Avila Naik, Ms. Grebian Alemao and Mrs. Maya Lin Noronha attended the DB3D International Conference from October 19-21, 2021 at DBCE via Microsoft Teams.

WORKSHOPS/SEMINARS/EXPERT TALKS CONDUCTED

- Ms. Steefni Ema Cruz delivered an R&D session on 'How to Win Friends and Influence People - Dale Carnegie: An Overview' on 23 September, 2021 via Google Meet.
- Prof. Kala R. Nayak, Mrs. Natasha D'Souza e Jaques and Mr. Harison Cota co-organized the DB3D International Conference from October 19-21, 2021 via Microsoft Teams.
- Mrs. Maya Lin Noronha delivered an R&D Session on "Positive Psychology" on October 23, 2021.
- Ms. Grebian Alemao delivered an R& D Session on a paper review titled 'A Study on Quality of Work Life: Key Elements and Its Implications' on November 26, 2021.
- Ms. Grebian Alemao delivered a guest lecture on 'Stress and Anxiety Management' for SE Computer students of DBCE on December, 2021 via Google Meet.

UPCOMING EVENTS

- Latex Workshop - 30 April 2022 & 25 June 2022
- Microsoft Excel Workshop - 09 July 2022
- SEEDS event - 14 May 2022
- SEEDSValedictory - 11 June 2022
- Sci-Minds - 26 February 2022