ANNUAL REPORT

2023-2024

THE BOMBAY SALESIAN SOCIETY'S
DON BOSCO INSTITUTE OF TECHNOLOGY,
MUMBAI

VISION

DBIT will be known to have an innovative, enjoyable and holistic learning environment that transforms individuals into socially conscious citizens the Don Bosco way, and will lead in research and entrepreneurship in the area of substainable technologies.

MISSION

- To create future engineers who work with honesty and integrity and excel in the use of technology for the benefit of the underprivileged.

- To train engineers to be innovative problem solvers and entrepreneurs who engage in research and life-long learning.

- To provide a diverse and stimulating environment for staff and students to grow holistically.

From The Director's Desk

When Don Bosco Institute of Technology (DBIT) began, our dream was simple yet profound: to ensure that every young person who joins us leaves not only with dignity but with the skills and confidence to make a mark in the professional world. But that's just the start. We want every DBITian to also become the kind of person who adds goodness and value to life and the world around them. That's how we hope to make India proud and help our graduates shine on a global stage.

At DBIT, inspired by the values of Don Bosco, we've created a space where deep learning thrives. Excellence isn't just a goal here—it's a way of life. With supportive mentors and countless opportunities, we encourage our students to take charge of their journeys and chase their dreams. Through collaborations with industry experts, international organizations, and research initiatives, we bring innovation to life in a way that's meaningful and engaging.

What makes DBIT special is its sense of community. Whether it's our top-notch labs, wide-open playgrounds, or the vibrant cultural and technical events organized by our many clubs, cells, and chapters, there's something here for everyone. It's a place where talents are celebrated, ideas are shared, and every individual feels valued. This atmosphere builds confidence, nurtures collaboration, and inspires students to discover their best selves.

We live in a world powered by technology, but let's not forget that it's the earth that keeps us going. At DBIT, we focus on using technology for good—helping local communities, supporting the underprivileged, and reaching out to those on the margins of society. After all, education is truly meaningful only when it makes a difference in everyone's lives.

Fr. Anthony Pinto

Principal's Message

It gives me great joy to present the Annual Report for the academic year 2022-23. This year has been nothing short of remarkable, filled with achievements, creativity, and a spirit of togetherness.

Innovex was a standout highlight, offering a platform for our students to showcase their innovative ideas and creativity. It reinforced our commitment to nurturing fresh, groundbreaking talent. Alongside this, we struck a perfect balance between academics and sports, with our students excelling both in the classroom and on the field. Our cultural and technical fests brought the campus alive, celebrating the incredible talents that make our institution so unique.

Our outreach efforts this year were equally inspiring. From community service to environmental initiatives, we've strived to make a meaningful impact, extending our values beyond the campus walls and into the world.

This Annual Report is a reflection of all these moments and more, packed with information and images that tell the story of 2023-24. I want to take a moment to applaud the faculty and student teams who poured countless hours into editing and formatting this beautiful compilation. Your hard work has truly brought this report to life.

Dr. Sudhakar Mande

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PREAMBULAR

LIST OF MEMBERS OF THE GOVERNING COUNCIL-23-24

Sr.No	Name	Position
1	Fr. Anthony Pinto	Director, DBIT
2	Fr. Charles Antony	Assistant Director, DBIT
3	Fr. McEnroe Lopez	Administrator, DBIT
4	Dr. Sudhakar Mande	Principal, DBIT
5	Dr. Amiya Kumar Tripathy	IQAC Co-ordinator
6	Dr. S. Krishnamoorthy	Advisor, DBIT
7	Mr. Albert D'Souza	Chairman, CMD
8	Prof. Vijay Joshi	Managing Director
9	Dr. M. Sasikumar	Director, CDAC
10	Prof. Richard D'souza	Mahindra Business Solutions

LIST OF DEANS, HEADS OF DEPARTMENTS AND OTHER OFFICE BEARERS (2023-24)

Dr. Satishkumar Chavan
Dean of Academics

Dr. Ashwini Kotrashetti
Dean of Student Progress

Dr. Pradeepkumar Suryawanshi
Dean of Innovation & Entrepreneurship
H.O.D. MECH

Prof. Shiv Negi
Dean of Research & Development

Dr. Phiroj Shaikh
H.O.D. COMPS

Prof. Namita Agarwal
H.O.D. EXTC

Prof. Prasad Padalkar
H.O.D. IT

Dr. Vinod Gokarna
H.O.D. B.S.H.

Dr. Amiya Tripathy
Mentor of COMPS & IT Departments

Prof,. Sameer Hadkar
Controller of Exams

Prof. Imran Mirza
Manager of IT Services

STUDENT COUNCIL 2023-2024

Rishab Pandey
General Secretary

Shreya Chakraborty
Joint General Secretary

Christopher Vaz
Treasurer

Ruchir Chitre
Joint Treasurer

Benish Cristo Louis
Technical Secretary

Ramya Kulkarni
Joint Technical Secretary

Faaz Khan
Marketing Secretary

Aaradhya Deotale
Joint Marketing Secretary

Umera Shaikh
Cultural Secretary

Nisarg Koravane
Joint Cultural Secretary

Benjamin Lobo
Sports Secretary

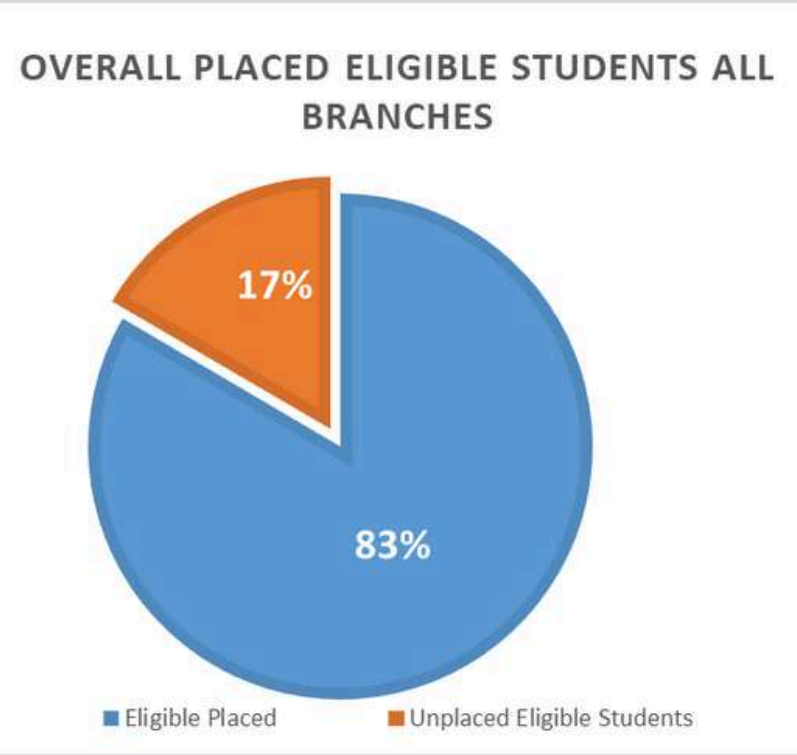
Sahil Sangvi
Joint Sports Secretary

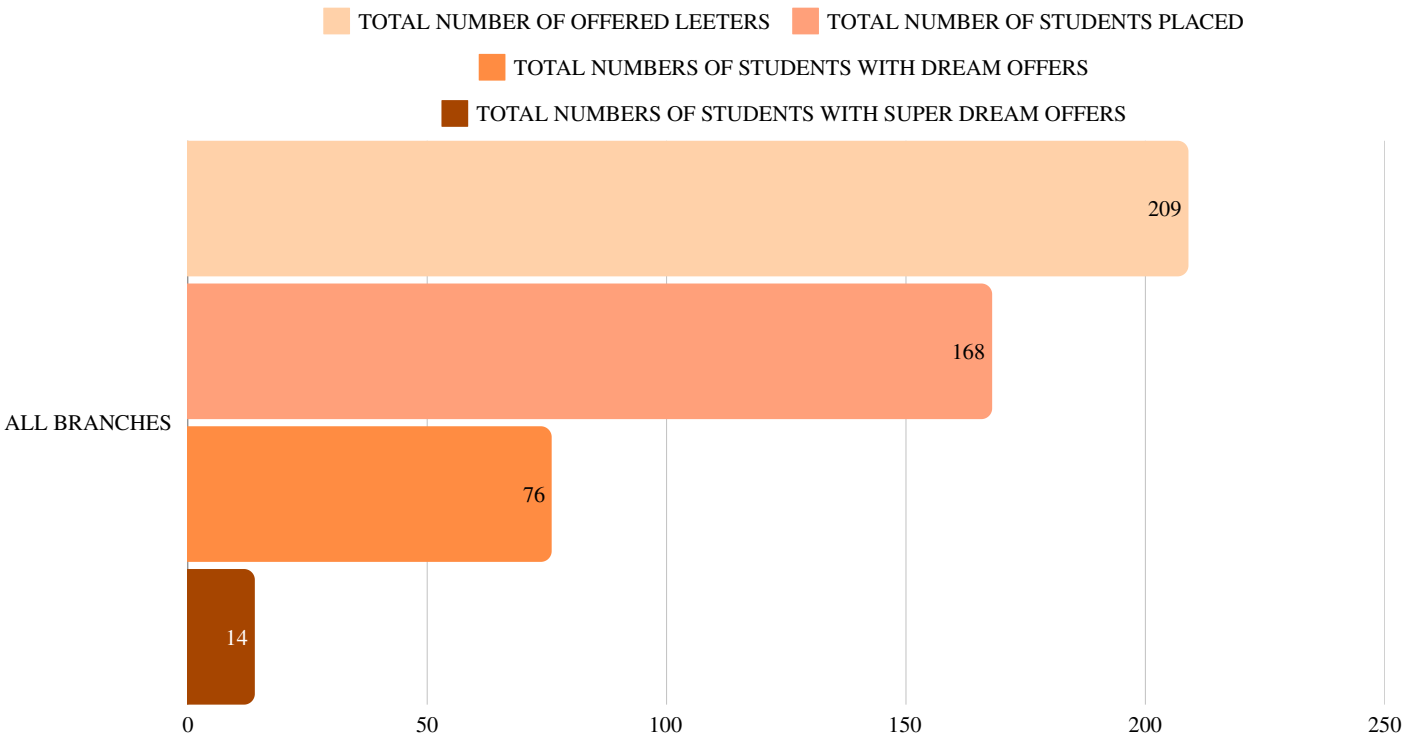
INSTITUTE LEVEL COMMITTEES

Name of Committee	Convenor
Technical	Prof. Sana Shaikh
Website	Prof. Sana Shaikh
Moodle	Dr. Revathy S.
Discipline	Prof. Sejal Chopra
Alumni	Prof. Madhavi S.Pednekar
Cultural	Prof. Poonam Chakraborty
Literary Club	Prof. Sachin Sugave
E- Cell	Dr. Pradeepkumar Suryavanshi
Library	Dr. Amiya T.
Project	Prof. Cleta Pereira
NAAC Coordinators	Prof. Namita Agarwal
R & D	Prof. Shiv Negi
Staff Welfare	Prof. Sandeep Dasgupta
Women Development	Prof. Dipti J.
Canteen	Prof. Vaishali K.
Unfair Means	Principal, HODs, Exam Incharge
Placement Committee	Prof. Bharatkumar Bhandary
Outreach Cell	Prof. Johnson Nellisery V
Housekeeping & Maintenance	Prof. Pratibha Duman
Industry-Institute Interaction	Dr. Yogesh Padiya
Grievance Redressal Committee	Principal,HODs
Mentoring	Dr. Revathy S.
Institute Ranking	Dr. Phiroz S.
Exam Committee	Prof. Sameer H.
Time Table	Prof. Swapnil Gujrathi
Internal Complaints	Dr. Revathy S.
OBC Cell	Prof. Hemant Hogade
SC/ST	Prof. Vaishali K
Minority Cell	Prof. Imran Mirza
Admission	Raju

PLACEMENT DATA

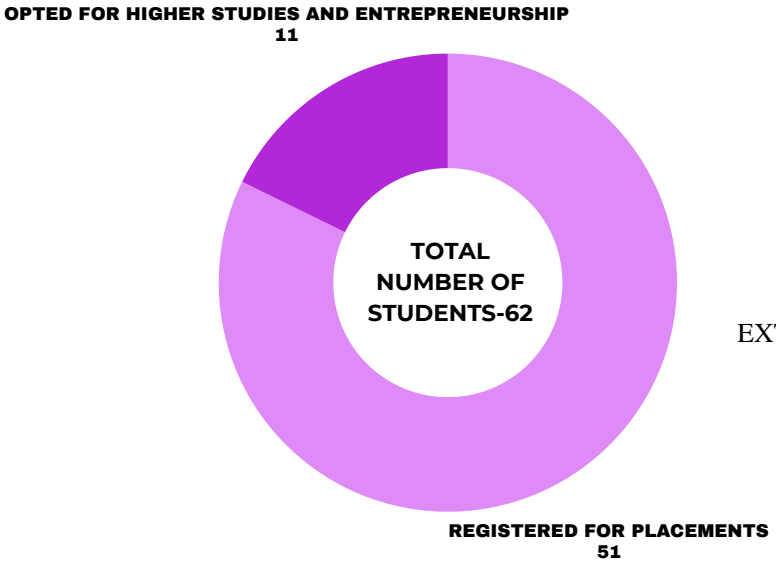
The Training and Placement Cell at DBIT adopts a student-centric approach, actively striving to connect with a diverse range of companies to enhance the placement opportunities for our students.**Over 300 companies** from various sectors visit DBIT to recruit the outstanding talent our institute has to offer.

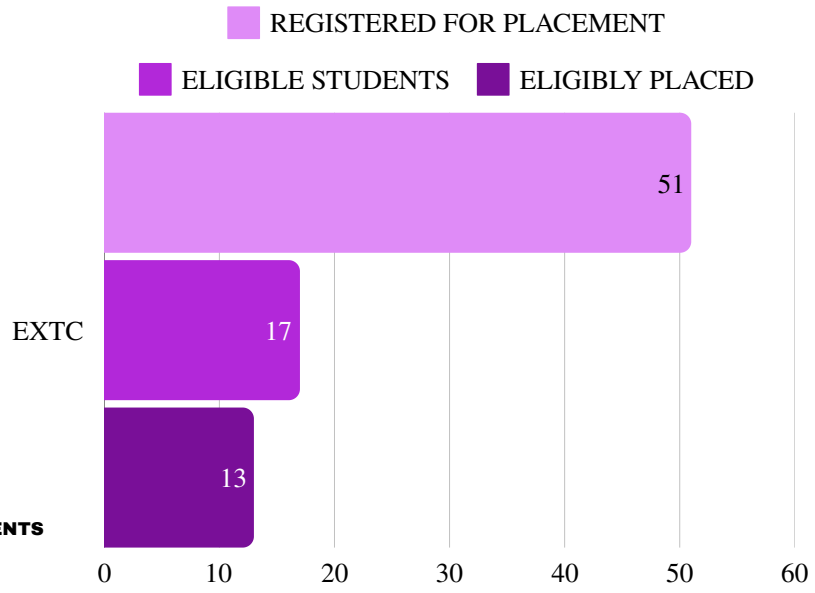




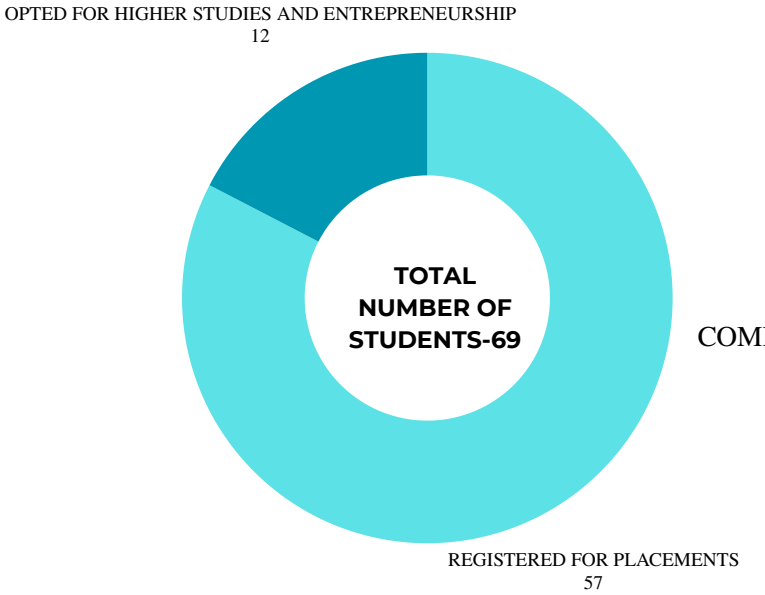
Percentage of eligible students placed from 2023-2024 department wise.

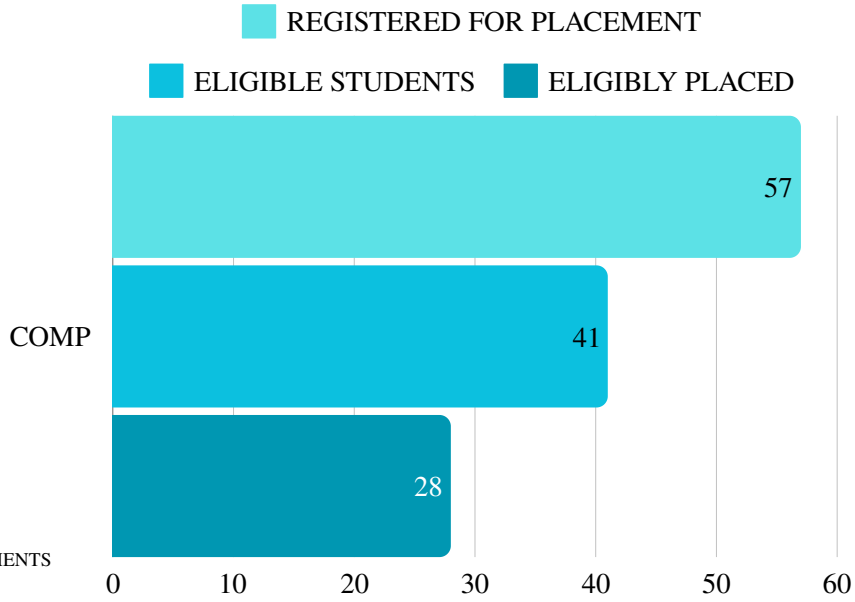
1. EXTC



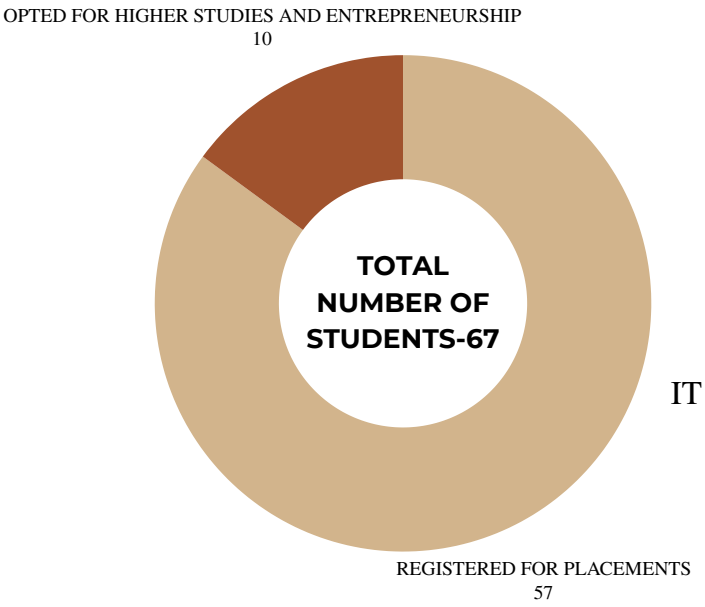


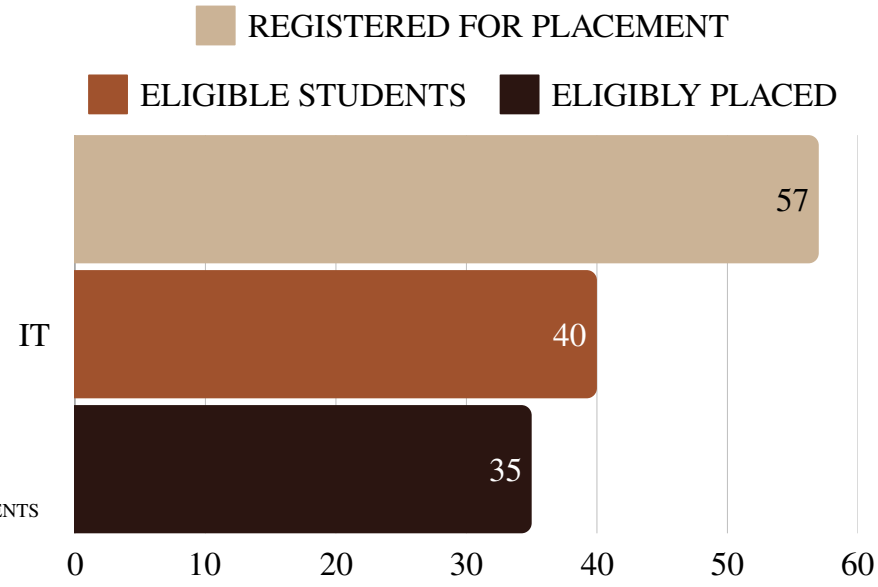
2. COMP



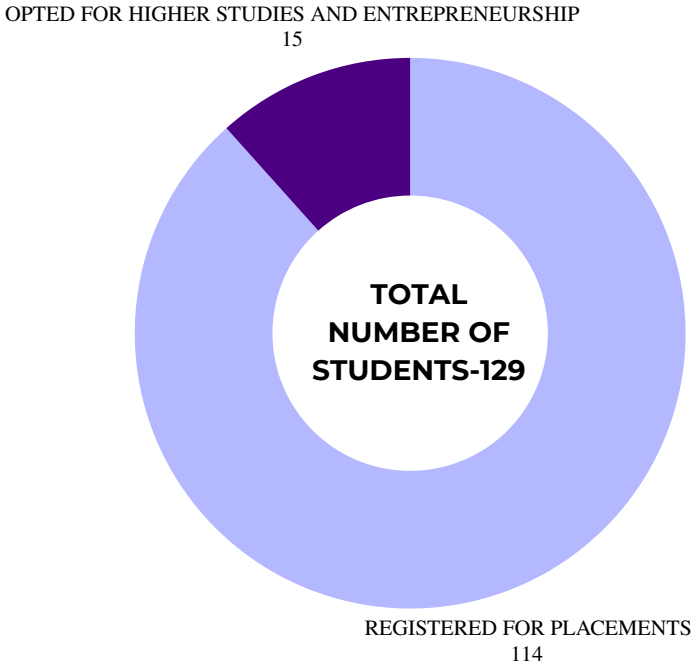


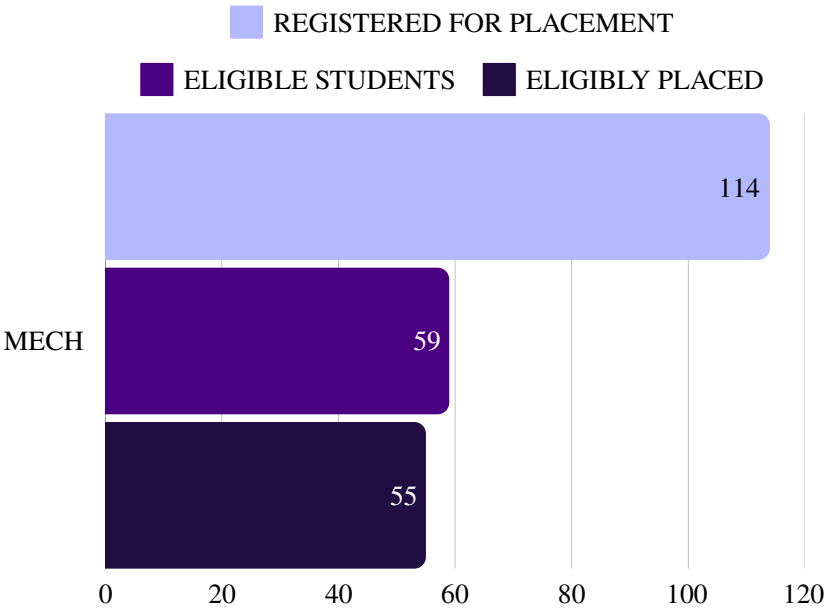
3. IT


OPTED FOR HIGHER STUDIES AND ENTREPRENEURSHIP
10
TOTAL NUMBER OF STUDENTS-67
REGISTERED FOR PLACEMENTS
57


REGISTERED FOR PLACEMENT
ELIGIBLE STUDENTS
ELIGIBLY PLACED
IT
57
40
35
0
10
20
30
40
50
60

4. MECH


OPTED FOR HIGHER STUDIES AND ENTREPRENEURSHIP
15
TOTAL NUMBER OF STUDENTS-129
REGISTERED FOR PLACEMENTS
114


REGISTERED FOR PLACEMENT
ELIGIBLE STUDENTS
ELIGIBLY PLACED
MECH
114
59
55
0
20
40
60
80
100
120

HIGHER STUDIES DATA

Students of DBIT have been successful in getting into prestigious universities all over the world. This year too many students went on to complete their higher studies in different streams.

Dept.	COMPS	IT	EXTC	MECH
No. of Students	10	1	3	3

Name of University	Country
University of Galway	Ireland
University of South Wales	United Kingdom
O.P. Jindal Global University	India
J.J. School of Architecture	India
The University of Texas	U.S.A
NYU Tandon School of Engineering	U.S.A
Southern University, California	U.S.A
University of Nottingham	United Kingdom

Name of University	Country
University of Delaware	U.S.A
San José State University	U.S.A
George Washington University	U.S.A
University of California	U.S.A
University of Windsor	Canada
Arizana State University	U.S.A
Binghamton University	U.S.A
SRH Berlin University of Applied Sciences	Germany

INTERNSHIP DATA

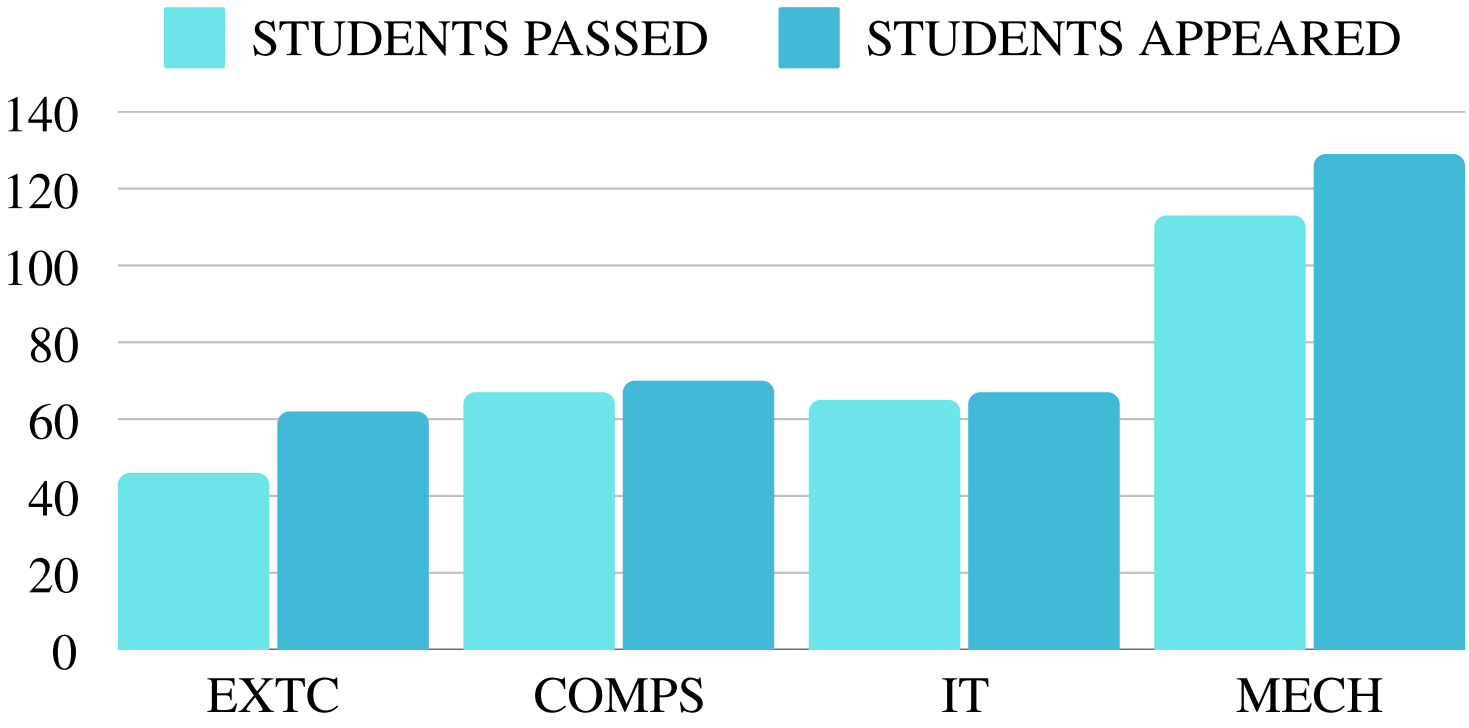
DBIT ensures that its students gain professional experience before they graduate. To support this, our institute offers a variety of internships for student growth. In the academic year 2023-2024, students interned at the following companies and institutes, among others:

1. Bharat Intern
2. STEM Program conducted by DBIT and supported by IEEE Bombay Section
3. Theta Controls Pvt. Ltd., Pune
4. Selec Controls Pvt. Ltd., Navi Mumbai
5. Don Bosco Institute of Technology
6. Orex Coliving Spaces Pvt. Ltd.
7. SequelString pvt ltd
8. Code Clause
9. BARC TRAINING SCHOOL
10. Sakhya - Women's Guidance Cell (NGO)
11. Larsen and Toubro- Engineering Future- CrEAST Program 2023
12. Arcon
13. Godrej & Boyce Manufacturing Co. Ltd.
14. Tata Motors
15. Royal Enfield
16. Mazgaon Dock Shipbuilders Ltd.
17. JSW Steel Limited
18. Fillpack Technology
19. ISRO
20. IOCL
21. SAF Engineering, Sewree
22. Kalyan Diesel Loco Shed
23. Ceamtronics

ACADEMIC RESULTS

The students of DBIT have graduated with a wonderful result, making the institute proud of them.

Class	EXTC	COMPS	IT	MECH
Total Students Appeared	62	70	67	129
Total Students Passed	46	67	65	113



GETTING INTO PRODUCT BASED COMPANIES
15TH SEPT 2021
11:00 AM
VORTEX
WIDE/LARGE DEPTH OF FIELD
Primary market - FPO

NEWSWORTHY

DBCL LEADERSHIP CAMP 2023-24

The DBCL Leadership Camp, held from September 27th to 29th, 2023, at Don Bosco Yuva Sanstha, Mothe Vengaon, Karjat, Raigad, was an enriching experience for 50 students and two accompanying teachers. Centered around the theme "**Youth for Leadership and Team Building**" the camp aimed to nurture leadership skills, personality development, and social awareness among participants.

The camp featured Commitment Games, Problem-Solving Sessions, and dynamic Team Building activities such as the A-Frame Challenge and Pipe and Marble Challenge. Thought-provoking sessions on Leadership Skills, Design Thinking, and Academic Year Planning provided students with both strategic insights and practical knowledge.
Beyond skill development, the camp emphasized social responsibility and environmental awareness, encouraging students to design impactful community outreach programs. Through interactive activities and open discussions, participants gained teamwork, creativity, and critical thinking skills while fostering a deep sense of unity and collaboration.

Each day followed a carefully structured schedule, beginning with an early train journey to Karjat. Activities flowed seamlessly from Commitment Games and Problem-Solving challenges to engaging outdoor adventures and vibrant cultural events, including music and dance performances. The evenings, marked by campfires and reflective evaluation sessions, strengthened bonds among participants.
Under the guidance of Fr. McEnroe Lopes (Campus Administrator and Delegate for Youth Ministry, SYM Group of DBCL), Dr. Royal Dsouza (Senior Program Coordinator, DBCL), and Dr. Ashwini Kothrashetti (Dean of Student Activities), students from various departments came together to create a vibrant and collaborative camp atmosphere.

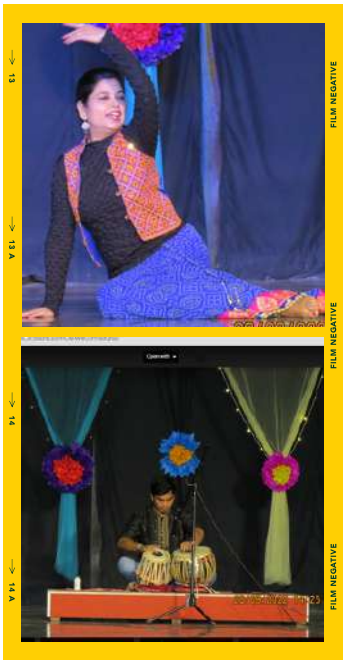
In conclusion, the DBCL Leadership Camp 2023 was a resounding success, offering participants a holistic experience focused on leadership, teamwork, and social responsibility. The camp not only equipped students with essential life skills but also instilled a spirit of empathy, unity, and responsibility—laying the foundation for a brighter and more collaborative future.

DEPARTMENTAL DAYS

At DBIT, Department Days is an interdepartmental event when each department honors its accomplishments through the organization of various cultural events and felicitation ceremonies. The faculties of the respective department congratulate students for their accomplishments that they have made over the academic year.

HEISENBUG (IT)

SYNERGY (EXTC)



ALL-GO-RYTHM (COMPS)

VORTEX (MECH)

HYSTERIA - CULTURAL FEST OF DBCL

Hysteria stands unrivaled as the annual inter-collegiate cultural festival of DBCL, masterfully weaving together a tapestry of competitions that elevate every skill to celestial heights. From the enchanting rhythms of music to the graceful artistry of dance, and the profound resonance of literary pursuits, it captures the very essence of creative expression. This year's theme, '**Ethical Euphoria**' added a layer of meaning to the festivities.

This vibrant cultural celebration opens its arms wide to newcomers, eager learners, and those who simply wish to explore the wonders within. Hysteria truly encompasses all realms of cultural engagement, consistently inspiring and fostering positive growth in every student's journey!

COLOSSEUM

The faculty and the various student committees of DBIT host ‘Colosseum’, the annual technical festival of the Don Bosco Institute of Technology. For two days, the committees curate various events and engage in numerous social projects. Colosseum has earned a reputation for featuring competitions, exhibitions, conferences, seminars, and enjoyable activities that cater to students across the campus. This year's festival was held on February 29 and March 1, 2022, with the theme "Kaleidoscope: Into The Future." A diverse selection of workshops, competitions, discussions, exhibitions, and exciting mega-events were organized to inspire students and explore new opportunities.

TEKNACK 2024

Teknack is one of the amazing battlefields provided by ACM for the students of not just DBIT but also of other colleges to boost up their creative skills and pump up their technical skills by amalgamating with newer ideas and facts to build up games that give the players an experience that would last with them forever. Over 100 hours of relentless efforts and creativity was dedicated by the ACM team, and numerous meetings were held to organize the event. The ACM team involved 6 advisors, 13 members of the senior Core and 9 members of the junior core.

Total Developers : **40** Total games: **18**

One of the best ways to carve some good ideas into minds, especially of the young, is through a game and keeping this in mind, Teknack has produced some value enhancing games that give the player a chill down the spine. Teknack 2024 was not just a festival but a celebration of collaboration, innovation, and passion.

Unity Engine Workshop

Ideation Workshop

TEKNACK 2024

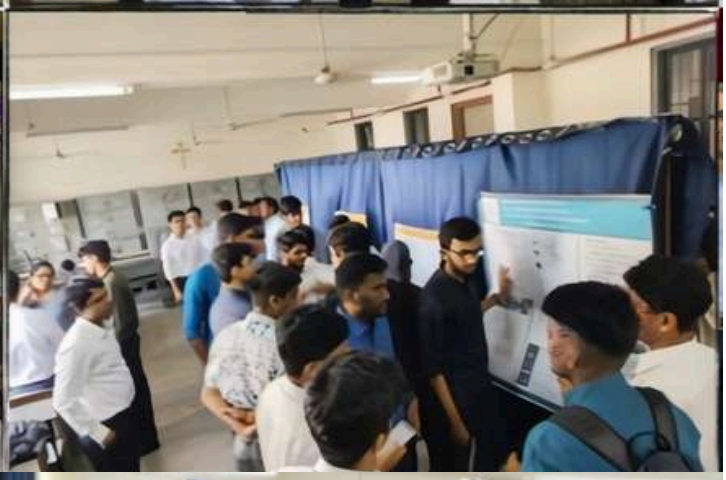
INNOVEX 2023-24

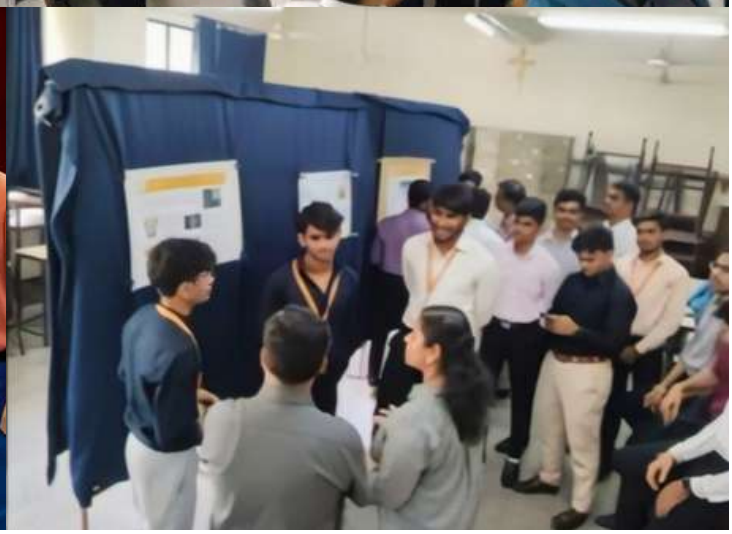
Innovex is a **project exhibition** and interdepartmental competition wherein the BE students from all four departments exhibit and demonstrate the projects developed by them under the guidance of respective faculty members.

The Major objective of this exhibition is to provide a platform and unleash the potential of the students by showcasing their innovative projects as Industry Defined Problem or User Defined Problem.

The winners for innovex 2023-2024 in each department are as follows:

Dept.	Project Guide	Position	Project Topic
COMPS	Dr. Amiya K. Tripathy	1st	Interactive 3D Bot with Generative AI
	Ms. Dipti Jadhav	2nd	EDSense – Early Screening and Dynamic Intervention of children with insufficient number sense
	Dr. Shaikh Phiroj	3rd	Multilingual language model with code switch
IT	Mr. Prasad Padalkar	1st	Comparative Analysis of Deepfake Detection Model
	Ms. Aruna Khubalkar	2nd	Identification of Not Suitable For Work (NSFW) imagrs
	Ms. Sunantha Krishnan	3rd	Comparative Analysis of Models for Emotion, Mental Health Conditions And Symptom Detection
EXTC	Dr. Ashwini Kotrashetti / Ms. Freda Carvalho	1st	Design And Development of A Meta-Surface Antenna for Sensing Applications
	Ms. Freda Carvalho	2nd	Development of A Container GPS Tracking System To Enhance Supply Chain Security
	Ms. Poonam Chakraborty	3rd	Smart Water Management Using LoRaWAN
MECH	Prof Swapnil Gujarathi	1st	A Novel Three Axis Scissor Kinematics based Motion System With Double Universal Joint Configuration
	Prof. Shreeprasad Manohar	2nd	Fracture Cast 2.0: A Multipurpose Photogrammetric Device for Advanced 3D Printing
	Prof. Madan Kulkarni	3rd	Conversion of Plastic Waste into Fuel, a Sustainable Approach
	Dr. Prasanna Nambiar	Consolation	Reimagining Women's Mobility in Urban Settings
	Prof. Johnson Varghese	Consolation	Finite Element Modelling of Steel Incinerator Containing Biomedical Waste





01st Place

02nd Place

03rd Place

INNOQUEST 2023-24

InnoQuest-2023 served as a platform for the students to showcase their project work, fostering open ended discussions on 03 November 2023. It also inspired the first year students to explore problem solving and application of the concepts they are currently learning.

TE WINNERS

Dept.	Position	Project Topic
COMPS	1st	AI based multiplayer 2D Game with Rollback Netcode
	2nd	Fake Product Detection using Blockchain technology
	3rd	Nursery e-commerce platform with Virtual Green Space optimization
IT	1st	Transcribo
	2nd	Edulib: OER Platform
	3rd	Edulance :Freelance Services
EXTC	1st	Cleaning Bot
	2nd	Digital Frequency Meter
	3rd	BLE Notice Board
	Consolation	Audio Transmitter using LoRa
MECH	1st	Design, development and fabrication of solar dryer for drying Bombay duck
	2nd	Automation setup for filling water
		3D printing filament recycling
	3rd	Design and fabrication of Hand prosthetic arm using FDM method
		Waste Segregation
	Consolation	Development of compact desalination unit based on low temperature heat source

SE WINNERS

Dept.	Position	Project Topic
COMPS	1st	Rustic Root : - A shopping website exclusive to the forgotten relics of India
	2nd	Blood Donation Awareness Website
	3rd	Resumatic : - A website to instantly build a resume based on the given input from the user
IT	1st	Budget Tracker
	2nd	Modern Complain Management System (MCMS)
	3rd	Customer Relationship Management
EXTC	1st	Emergency Response Beacon
	2nd	Solar Mobile Charger
	3rd	Insect Repellent
	Consolation	Automatic infrared water tap
MECH	1st	Developing a Study Chatbot
		Pneumatic spray Painting Robotic Arm
	2nd	Air Purifier and Humidifier
		Zero Friction Electromagnetic Braking System Projec
	3rd	COMBUSTIONLESS PROPULSION BY DECOMPOSITION OF HYDROGEN PEROXIDE
		Amphibious Vehicle
	Consolation	Spring Assisted Mashing Machine
		Fabrication of Mopping Machine

SPORTS ACTIVITIES ORGANIZED BY THE INSTITUTE

DEPARTMENTAL TRIADS

Departmental Triads is the Inter-Department Shield Competition where four departments engage in cultural and sports events to win the Department Shield. Students from FE, SE, TE, BE participate in the various events and are given points accordingly.

The main objectives of the Departmental Triads were:

- To help students to get the college exposure that is required for their holistic development
- To help students to come out of their shells and try out new activities
- To increase students' engagement with the management, faculties and the student council.

This year the Department Triads was conducted between September 20th to September 25th, 2023.The event featured three sports—cricket, basketball, and football—for both boys and girls, involving the four departments: COMPS, IT, EXTC, and MECH.

This year, with the efforts of all the students and our faculty support, the Electronics and Telecomunication Department successfully bagged the Departmental Triads trophy.

DON BOSCO PREMIERE LEAGUE (DBPL)

The most anticipated sporting event of the year Don Bosco premier league which is an football tournament took place in the month of January. The event was held from 20th Jan to 31st Jan. For this event, more than 100 students participated. Students had two options in this tournament as they can be a Player and manager. For the students who are not interested in playing and were more inclined towards management, they had the option to manage the entire team. The event had 12 teams participating in it.

The objective of the tournament was to get all the students from Don Bosco institute to participate and to make a friendly environment between them as the teams were formed randomly so each teams were consist of students from every year. The finale took place on 31st of January 2023 which was Don Bosco day.

Basketball (Girls):- First place

Name
Grace (BE)
Smiriti (BE)
Shweta (TE)
Verushka (FE)
Ria (SE)

Basketball (Boys):- Second place

Names
Noel (BE)
Karan (TE)
Joshua (TE)
Shaun (SE)
Alvin (SE)
Shayne (SE)
Austin (FE)

Rink Football :- Second place

Name
Shayne (SE)
Jovan (SE)
Shaun (SE)
Boris (SE)
David (SE)
Joshua (FE)
Sameer (BE)
Ralston (TE)

Name of the event / activity	Name of the department
Chess	DBCL (Hysteria)
CODM	DBCL (Hysteria)
Valorent	DBCL (Hysteria)
Housie	DBIT
BGMI	DBIT
Don Bosco Youth Cup (Football)	DBCL
Don Bosco Premier league	DBIT

INTER COLLEGE TOURNAMENT	
Name of the event / activity	**Held in**
Football	K.J. Somaiya
Volleyball (Boys and Girls)	K.J. Somaiya
Basketball (Boys and Girls)	K.J. Somaiya
Table Tennis (Singles and Doubles)	K.J. Somaiya

DEPARTMENTAL TRIADS	
Name of the event / activity	**Name of the department**
Cricket	DBIT(EXTC)
Basketball	DBIT(EXTC)
Football	DBIT(MECH)

TEACHER'S DAY CELEBRATION

Teachers' Day was celebrated at DBIT on September 5th and 15th with heartfelt gratitude towards the teaching and non-teaching staff. On the 5th, council members distributed 110 cards with chocolates as tokens of appreciation, leaving a lasting impression. The celebrations continued on the 15th, coinciding with Engineers' Day, featuring a prayer by Fr. Brian, exciting games, and team activities like the teacher-treasure relay. Teachers competed in creatively named teams—Blockbusters, Atrangi-Satrangi, Aditya L1, and Toofan—across trivia, scratch card challenges, and puzzles. The highlight was Fr. Brian's surprise jugalbandi performance, adding a special touch to the day. Sweet hampers were given as tokens of appreciation, making the celebrations a memorable success filled with joy, camaraderie, and gratitude.

RAAS GARBA CELEBRATION

On October 18, 2023, DBCL campus celebrated Raas Garba with vibrant colors, energy, and rhythmic beats from 4:00 pm to 8:00 pm at the Top Court. Organized by the DBIT Student Council and Management, under the guidance of Mrs. Poonam Chakraborty, the event brought together 350 participants, including students and staff, in the spirit of cultural festivity.

Dressed in traditional attire, participants showcased their garba moves, creating an atmosphere filled with joy and camaraderie. Standout performances were awarded, with Ms. Anoushka Kini and Mr. Kanak Deshpande recognized for their dance, Ms. Dian Fernandes and Mr. Christopher Vaz for their traditional attire, and Ms. Sydelle Jose and Mr. Jaipreet Singh as the most enthusiastic performers.

The participation of teachers added to the charm of the event, making it a delightful blend of inclusivity and cultural celebration. The Raas Garba was a resounding success, leaving behind cherished memories and highlighting the rich cultural heritage of the community.

HARVEST FESTIVAL - ONAM CELEBRATION

The Harvest Day Celebration at DBIT was a vibrant event that united students and faculty in gratitude, unity, and cultural diversity. The day began at 1:15 p.m. with three parallel competitions: an elocution contest by LitSoc judged by Prof. Sachin Sugave, a singing competition judged by Fr. Brian Moras, Prof. Sunantha K, and Prof. Shree Prasad Manohar, and a Pookalam contest judged by former Principal Dr. Prasanna Nambiar.

At 3:15 p.m., the main event commenced in Mondini Hall with anchors Rucha Tatkare and Aditya Shetty explaining Onam's significance. The ceremony included a prayer by Fr. Nelson Carvalho, a lamp-lighting ritual, and cultural performances such as a welcome dance, a poem by Prof. Poonam Chakraborty, a DBIT Dance Club performance, and a drama by the Drama Club.

The event concluded with a prize distribution ceremony and a heartfelt speech by Dr. Prasanna Nambiar, emphasizing unity and cultural exchange. A lively jam session wrapped up the day, leaving participants with cherished memories of a joyous and meaningful celebration.

Snapshot of the Event:

Singing Competition

Pookalam Competition

Elocution Competition

Welcome Dance

Performance by the Dance Club of DBIT

Performance by Drama Club of DBIT

ENGINEER'S DAY TECH QUEST 2023

On September 15, 2023, DBIT celebrated Engineer's Day with the exciting Tech Quest, organized by the Student Council and ISHRAE DBIT, and coordinated by Ms. Sana Shaikh and Ms. Cleta Perriera. With 50 participants from COMPS, IT, EXTC, and MECH departments, the event kicked off in Mondini Hall with comperes Melissa Fernandes and Sarthak Surve setting an energetic tone, followed by a prayer and lamp-lighting ceremony.

The quest featured an aptitude round, followed by technical challenges across various labs. Participants assembled PCs, debugged programs, solved circuit problems, ran Arduino codes, and pieced together models in a race against time.

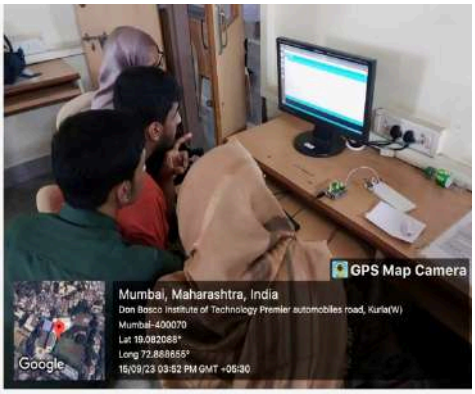
The event concluded back in Mondini Hall with the screening of Techno Shorts reels and an award ceremony. Principal Dr. Sudhakar Mande commended the participants, while Technical Secretary Mr. Benish Cristo delivered a vote of thanks. Tech Quest was a resounding success, celebrating innovation, problem-solving, and the collaborative spirit of engineering.

Snapshot of the Event:

Introduction and Lamp Lighting Ceremony

Aptitude Test round

Comps and IT Lab activities



EXTC Lab 4 and 6 activities

Mechanical Labs and Workshop activities

Winners of the Competition- Tech Quest 2023

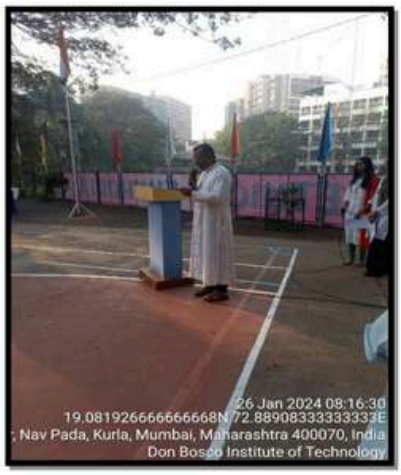
REPUBLIC DAY CELEBRATION

On January 26, 2024, DBCL celebrated Republic Day with patriotic fervor at the Top Court, organized by the Student Council and DBCL Management. The event began at 8:00 a.m. with a flag-hoisting ceremony led by Chief Guest Reverend Father Anthony Pinto, followed by a heartfelt prayer by Father Brian Moras.

The celebration featured a patriotic speech, a soulful solo song, and a poignant poem, all reflecting the nation's ideals. NSS teams performed impactful street plays addressing social issues, while group songs and dynamic dance performances added vibrancy to the event.

In his inspiring address, Father Anthony Pinto emphasized upholding democratic values and striving for progress. The event concluded with a shared sense of pride and unity, leaving a lasting impression on all attendees and reinforcing the commitment to building a brighter future for the nation.

Snapshot of the Event:



Prayer by Father Brian Moras

Flag hoisting by Fr. Anthony Pinto

Street Play by NSS teams

KARGIL VIJAY DIWAS 2023

On July 26, 2023, Don Bosco Institute of Technology hosted the Kargil Vijay Diwas Celebration, a heartfelt tribute to India's victory in the Kargil War and the sacrifices of our brave soldiers. Organized by the Student Council, the event at Café Bosco brought together students from DBIT and DBC, faculty members, the Principal, and management in a unified expression of gratitude and patriotism.

The celebration aimed to honor the courage and sacrifice of India's armed forces while fostering unity and national pride. The Music Club set the tone with a stirring medley of patriotic songs, inspiring emotions of pride and reverence among the attendees. A documentary screening provided an insightful glimpse into the challenges and heroism of the Kargil War, deepening the audience's understanding of this pivotal moment in Indian history.

Adding to the solemnity, the main foyer featured thoughtfully designed décor paying homage to the martyrs, serving as a poignant reminder of their sacrifices. This visual tribute, combined with the day's activities, resonated deeply with participants, uniting them in appreciation for the nation's defenders.

The Kargil Vijay Diwas Celebration 2023 successfully instilled a profound sense of national pride and gratitude, leaving a lasting impact on all who attended. By commemorating this historic victory, the event reinforced values of unity, integrity, and respect for the selfless sacrifices that safeguard our freedom.

Snapshot of the Event:

FAREWELL FUNCTION OF PRINCIPAL DR. PRASANNA NAMBIAR

On July 31, 2023, Don Bosco Institute of Technology bid farewell to Principal Dr. Prasanna Nambiar with a heartfelt ceremony in Mondini Hall. Attended by Revered Fathers, faculty, staff, students, and management representatives, the event honored Dr. Nambiar's remarkable contributions and leadership.

Anchors Mr. Christopher Vaz and Ms. Shreya Chakraborty warmly welcomed the gathering, followed by a prayer by Reverend Father Nelson Carvalho. A touching video presentation highlighted Dr. Nambiar's journey, accompanied by tributes from Revered Fathers Adolf Furtado and Anthony Pinto, and Advisor Dr. Krishnamoorthy.

The Music Club and faculty members paid homage through soulful performances, while a staff act added an emotional touch. Dr. Nambiar was felicitated with a shawl and memento by Reverend Father Anthony Pinto. The event also honored retiring administrative staff member Ms. Linda Dsouza.

In her emotional address, Dr. Nambiar expressed gratitude, reflected on her journey, and welcomed her successor, Dr. Sudhakar Mande. The ceremony concluded with a cake-cutting and a heartfelt vote of thanks, marking a memorable farewell for a leader whose legacy will continue to inspire DBIT.

Snapshot of the Event:

Welcoming our new Principal- Dr. Sudhakar Mande

Felicitation By Management

Dr. Nambiar with the dignitaries invited and DBIT family

IMPERIAL OVERSEAS STUDY ABROAD SEMINAR 2023

The Imperial Overseas Study Abroad Seminar 2023 was held on September 13, 2023, at the BMM Theatre Hall, DBIT. Running from 2 PM to 3 PM, the seminar aimed to inform and inspire SE, TE, and BE students from the MECH and EXTC departments about the opportunities and advantages of pursuing higher education abroad.

The session featured Ms. Sanhita Bhattacharya, a seasoned expert in overseas education with nearly two years of experience in counseling and training. Renowned for her role in helping students realize their aspirations of studying abroad, Ms. Bhattacharya shared her wealth of expertise with the attendees.

During her talk, Ms. Bhattacharya provided valuable insights into key international study exams such as the GRE, GMAT, SAT, and TOEFL, emphasizing their importance in securing admissions to global institutions. She highlighted the transformative impact of international education on students' career trajectories, offering real-life success stories of those who achieved exceptional results under her guidance.

Her passion for education and dedication to creating pathways for students to access world-class academic opportunities shone through in her engaging and informative presentation. Drawing from her professional journey and contributions to leading publications, Ms. Bhattacharya motivated students to consider studying abroad as a stepping stone to personal and professional growth.

The Imperial Overseas Study Abroad Seminar 2023 left participants with a clearer understanding of the process and benefits of pursuing education overseas, encouraging them to take bold steps toward fulfilling their dreams of global academic success.

Snapshot of the Event:

IMFS STUDY ABROAD SEMINAR 2023

IMFS Study Abroad Seminar 2023: Empowering Dreams Beyond Borders

The IMFS Study Abroad Seminar 2023, held on September 13, 2023, at the BMS Seminar Hall, DBIT, offered an inspiring and informative session for SE, TE, and BE students of the COMPS and IT departments. The seminar, conducted from 2 PM to 3 PM, aimed to enlighten students about the opportunities and benefits of pursuing higher education abroad.

The event featured Mr. K. P. Singh, the esteemed Founder and Director of the Institute of Management and Foreign Studies (IMFS), as the guest speaker. A recognized authority in the field of test preparation, Mr. Singh has guided countless students in achieving their dreams of studying at prestigious international universities.

Mr. Singh provided valuable insights into essential standardized tests such as the GRE, GMAT, SAT, and TOEFL, explaining their significance in securing admission to top global institutions. He also highlighted the transformative impact of studying abroad on students' personal and professional growth. With examples from his vast experience, Mr. Singh shared success stories of students who excelled under his mentorship, gaining admissions to universities like Harvard, Columbia, Purdue, and Carnegie Mellon.

The seminar emphasized the importance of strategic planning and determination in navigating the admissions process. Through anecdotes from his career and his extensive contributions to the education sector, Mr. Singh inspired attendees to dream big and embrace the challenges of studying abroad.

The IMFS Study Abroad Seminar 2023 proved to be a valuable platform for students, equipping them with the knowledge and motivation to explore global opportunities and envision a brighter future beyond borders.

Snapshot of the Event:

FE ACTIVITIES AY 2023-24

The Don Bosco Institute of Technology (DBIT), Kurla, organized four pivotal events for first-year engineering (FE) students in the academic year 2023-24. These events aimed to support students' academic, personal, and professional development, fostering a holistic approach to their engineering journey.

1. **FE Orientation**

Date: 2nd September 2023

The FE Orientation provided an insightful introduction to DBIT's environment for students and parents. The session began with a prayer led by Rev. Fr. Nelson and a welcome speech from Dr. Vinod Gokarna, Head of the Basic Sciences and Humanities (BSH) Department. Faculty members from each department outlined their curriculum, activities, and resources. Dr. Ashwini Kotrashetti highlighted student clubs and competitions, encouraging active participation. Prof. Sameer Hadkar provided an overview of examination guidelines, and the Training & Placement Officer shared strategies for securing placements. The session concluded with a vote of thanks by Dr. Revathy Sundarajan, emphasizing DBIT's supportive community.

2. **JAM Session**

Date: 12th September 2023

The Literary Society of DBIT (LitSoc) hosted a lively Just A Minute (JAM) session, an interactive and engaging event designed to break the ice and encourage self-expression. Students participated in quick, witty, and spontaneous speaking activities, showcasing creativity, humor, and linguistic skills. The event successfully introduced first-year students to DBIT's vibrant literary community, underscoring the importance of effective communication and self-confidence.

3. **Peer Influence and Bullying Awareness Sessions**

Date: 16th to 24th January 2024

DBIT conducted awareness sessions on Peer Influence and Bullying, led by Rev. Fr. Nelson Carvalho. Through engaging videos, discussions, and quizzes, students explored the positive and negative impacts of peer pressure. The sessions emphasized building resilience, maintaining healthy social relationships, and seeking help when needed. Interactive and inspiring, these sessions equipped students with strategies to navigate social challenges while fostering self-belief and assertiveness.

4. **Entrepreneurial Talk: "From Ideas to Investments"**

Date: 15th February 2024

The entrepreneurial talk, delivered by Siddhesh Surve, founder of Startup Surge and WashMyWheels, provided valuable insights into the entrepreneurial journey. Siddhesh emphasized the importance of perseverance, innovation, and strategic planning in entrepreneurship. He offered practical advice on creating pitch decks, conducting market research, and building investor relationships. The session concluded with an engaging Q&A, where students received personalized guidance and clarity on their entrepreneurial aspirations.

FE Orientation

JAM Session

Peer Influence and Bullying Awareness Sessions

Entrepreneurial Talk: "From Ideas to Investments"

These four events played a significant role in enriching the first-year experience at DBIT. By combining academic orientation, literary engagement, social awareness, and entrepreneurial guidance, DBIT successfully equipped students with the knowledge, skills, and confidence needed to excel both personally and professionally.

HALL OF ACHIEVEMENTS

MEMORANDUM OF UNDERSTANDING

The institute signed several MoUs to collaborate with renowned institutes and organizations for enhancing faculty and student skills and knowledge. Some of the notable ones signed during 2023-24 are as follows:

Sr No.	Collaborated Agency Name	Date of MOU / Agreement Signed on	Type of Collaboration
1	RUR Green Life Private Ltd	2023	Miniproject
2	QDnet Technologies, Mumbai	2017 renewed on 2022-23	Project, Jobs
3	Tata Memorial Centre, Mumbai	2023	Project
4	Don Bosco ITI Kurla Mumbai	2021	Exchange of Faculties and equipments and softwares for training
5	Chamber of small industry associations(COSIA) / Thane small scale industry associations(TSSIA)	21/02/22	Industrial training and visits, skill up-gradation programs, guest lectures, problem solving for industry etc.
6	SP-TBI Mumbai	29/01/22	--
7	Larson and Turbo Limited	2023-24	Development center for creative, exploration and advanced skilling STEM is science, technology, engineering, and math

FACULTY ACHIEVEMENTS

Appointment as Experts, Panelists and Reviewers	
Name of faculty	**Achievement Details**
Computer Engineering	
Dr. Phiroj Shaikh	• Reviewed the manuscripts at ICACTA 2023 organized by SVKM's Dwarkadas J. Sanghvi College of Engineering, Mumbai from 15th May to 29th May 2023. • Reviewer for 3rd ICACTA 2023 at SVKM's Dwarkadas J.Sanghvi College of Engineering, Mumbai, 06-07 October 2023. • Reviewer for 2023 ICECET at Aksaray University, Turkey, and University of Cape Town, South Africa Section, Nov. 16 - 17, 2023. • Reviewer for ITSEMC-2023 at Yeshwantrao Chavan College of Engineering, Nagpur, 23rd to 25th November 2023. • Session Chair at ITSEMC-2023, Yeshwantrao Chavan College of Engineering, Nagpur, 23rd November 2023. • Delivered an expert talk on "Intellectual Property rights in Cyber Law" for BE Final Year students at Department of Computer Engineering, DBIT, Mumbai-70, 10th October 2023.
Dr. Amiya Kumar Tripathy	• IT Advisory Committee Member for Krishi-DSS project, Government of India Ministry of Agriculture & Farmers' Welfare, Digital Agriculture Division. Since January 2023. • Board of Study Member (BoS) to Information Technology Department, Usha Mittal Institute of Technology of SNDT University, Mumbai, since January 2023. • BoS to Department of IT, NM College, NMIMS, Mumbai, since January 2023 • Research Progress Committee (RPC) member, Computer Eng., DJS College of Engineering, Mumbai.

Appointment as Experts, Panelists and Reviewers	
Name of faculty	**Achievement Details**
Computer Engineering	
Dr. Amiya Kumar Tripathy	• RPC member, Computer Eng., Thakur College of Eng. and RAIT, Mumbai. • BoS to Computer Science, Pillai College, Panvel. • University of Mumbai Vice-Chancellor's nominee for BoS member in Computer Science and Engineering (IOT and Cyber Security with Block Chain Technology) to DJS college of Engineering, Mumbai. • Savitribai Phule Pune University Vice-Chancellor's nominee for BOS member in Bachelor of Vocation (B.Voc.-Internet of Things) to Pimpri Chinchwad college of Engineering (PCCoE), Pune, Maharashtra. **International Conferences/ Symposiums (Professional Services)** • TPC member at the 5th International Symposium on Water Resource and Environmental Management (WREM 2023), December 8-9, 2023, Sanya, China. • Program Co-Chair, 5th International Conference on Big Data Engineering (BDE 2023), Zhuhai, China, November 17-20, 2023. • Advisory Committee, 3rd International Conference on Advanced Computing Technologies and Applications-2023 (ICACTA 2023), 6-7 October 2023, Mumbai, India. • Chapter Chair and Program Committee Member at 8th International Conference on Cloud Computing and Internet of Things (CCIOT 2023), University of Ryukyu, Okinawa, Japan, 22-24, September 2023

Appointment as Experts, Panelists and Reviewers	
Name of faculty	**Achievement Details**
Computer Engineering	
Dr. Amiya Kumar Tripathy	**Editorial Work** • Guest editor- special issue of the Journal of Autonomous Intelligence "Knowledge Engineering of Information Security" (ISSN 2630-5046), 2023 edition. • DJASCII 2023, Judge for Final Round - State Level Project Competition, on March 22, 2023 • Session Chair at 4th International Conference on Communication Systems, Computing and IT Applications CSCITA 2023, April 1, 2023 • Session Chair and Plenary speaker at 6th International Multidisciplinary Online Conference on "Innovations in Business, Financial Services and Education using Digital Technology" on 11th February, 2023. • Director, Internal Quality Assurance Cell (IQAC), Don Bosco Institute of Technology, Mumbai, India. **Collabrations/Consultancy/Funded Projects** • Project Collaboration with Division of Agricultural Statistics, SeK University of Agricultural Sciences and Technology of Kashmir, India. • Developing Early Warning System as a Precision Farming Tool for Apple Scab Prevention and Management in Kashmir Valley. • Concept note: Development of Artificial Intelligence Powered Robot as a Precision Farming Tool for Weed Detection and Control in Kashmir • Modelling Dynamic adaptive behaviour of Autonomous agents, with Dr. D. Hiran and J.Rao Pacific University, India • Finger millet Crop Yield Prediction using Weather and NDVI Time Series Data, with Dr. D. Hiran. And H N. Bharthi at Pacific University, India

Appointment as Experts, Panelists and Reviewers	
Name of faculty	**Achievement Details**
Computer Engineering	
Ms. Kalpita Ajinkya Wagaskar	• Won the Best Paper Award at MRTM IEEE International Conference for the Research Paper “Repository for Faculty Activity Information System – RAISE" • Paper selected at ICACTA conference titled “Flood Location, Management and Solution (FLMS): A flood Prediction and Management System for Kurla.
Ms. Dipti Jadhav	• Received “Best Paper Award” for “Questify: Your Intelligent Web Page Assistant for Quick Answers”, presented in ICACTA 2023.
Electronics and Telecommunication	
Dr. Sudhakar Mande	• Dr. Sudhakar Mande has been appointed as a Member of the Board of Studies (Electronics & Telecommunications Engg.) in the University of Mumbai. • Dr. Sudhakar Mande has been appointed as a Member of the IETE-ISF Organisational Members Committee (IOMC). • Dr. Sudhakar Mande is a Member on the Academic Advisory Council of the following colleges: 1. Shah & Anchor Kutchhi Engineering College 2. D.J. Sanghvi College of Engineering 3. Sardar Patel Institute of Technology 4. Vivekanand Education Society's Institute of Technology **Dr. Sudhakar Mande delivered the following talks:** • "Machine Learning in Mixed-Signal Design" in the AICTE Sponsored ATAL Faculty Development Programme organised by Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, on 04 December 2023. • "Outcome Based Education" at Don Bosco College, Kurla, on 19 April 2024

Appointment as Experts, Panelists and Reviewers	
Name of faculty	**Achievement Details**
Electronics and Telecommunication	
Dr. Ashwini Kotrashetti	• Dr. Ashwini Kotrashetti was invited as a panel member to interview candidates for the post of Research Scientist (Electronics) on 06 July 2023 and Scientist-B on 01 & 15 September 2023. • Dr. Ashwini Kotrashetti has been the program coordinator for the "Engineering Futures CrEAST" program funded by L&T CSR Department since July 2021. • Dr. Ashwini Kotrashetti and Ms. Freda Carvalho provided consultancy for network speed testing to Quectel- Global IoT Solutions Provider, Mumbai on 31 July 2023 and 01 August 2023. • Dr. Ashwini Kotrashetti has been contributing as reviewer for the IEEE Transactions on Microwave Theory and Techniques since 2022. • Dr. Ashwini Kotrashetti contributed as a reviewer in the following conferences: 1. 2023 Asia-Pacific Microwave Conference (APMC 2023), Taiwan. 2. 2023 IEEE International Symposium On Antennas And Propagation (ISAP2023), Malaysia.
	Dr. Satishkumar Chavan served as a Session Chair at the 6th IEEE International Conference on Advances in Science and Technology (ICAST2023) hosted by K. J. Somaiya Institute of Engineering and Information Technology in Mumbai on 08-09 December 2023.

Appointment as Experts, Panelists and Reviewers	
Name of faculty	**Achievement Details**
Electronics and Telecommunication	
Dr. Satishkumar Chavan	Dr. Satishkumar Chavan contributed as a Reviewer for the 6th International Conference on Emerging Technologies in Digital Transformation and Aligned Education (PuneCon2023), organised by IEEE Pune Section and COEP Technological University, Pune during 15-16 December 2023. **Dr. Satishkumar Chavan delivered the following talks:** • "Biomedical Image Processing Applications in Healthcare," in ISTE Approved One Week Online Faculty Development Program on Al Algorithms and Applications in Healthcare organised by Finolex Academy of Management & Technology, Ratnagiri on 22 June 2023. • "Applications of DSP in the Medical Field" at SVERI's College of Engineering, Pandharpur, Dist. Solapur on 11 September 2023. • "Applications of Feature Engineering" for the TE students of Electronics and Telecommunication Engineering at SVERI's College of Engineering, Pandharpur, Dist. Solapur on 14 October 2023. • "Intellectual Property Rights (IPR) and Patenting" for Third Year Students of Computer Science & Engineering at SVERI's College of Engineering, Pandharpur, Dist. Solapur on 15 October 2023. • "Underwater Image Enhancement using Deep Learning," in AICTE ATAL one week FDP on Recent Trends in Underwater Signal, Image and Video Processing at Ramrao Adik Institute of Technology, D.Y. Patil Deemed to be University, Nerul, Navi Mumbai on 05 December 2023.

Appointment as Experts, Panelists and Reviewers	
Name of faculty	**Achievement Details**
Electronics and Telecommunication	
Ms. Pratibha Dumane	**Ms. Pratibha Dumane contributed as a Reviewer in the following Conferences:** • 6th International Conference on Emerging Technologies in Digital Transformation and Aligned Education (PuneCon2023), organised by IEEE Pune Section and COEP Technological University, Pune during 15-16 December 2023. • 4th IEEE International Conference on Computing, Communication, and Intelligent Systems (Sponsored by IEEE IAS) organised by Sharda School of Engineering and Technology, Sharda University, Greater Noida, Uttar Pradesh, India, during 03-04 November 2023. • Springer International Conference on Recent Developments in Cyber Security (ReDCySec-2024) organised by Center for Cyber Security and Cryptology, Sharda University on 30-31 May 2024. • International Conference On Generative Al, Cryptography And Predictive Analytics (ICGCPA 2024) organised by Dept. of Computer Science, School of Engineering & Technology, Vivekanand Institute of Professional Studies-TC, New Delhi on 28-29 June 2024. • Third International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN 2024) organised by Indo French Educational Trust's College of Engineering, Tamil Nadu. • Ms. Pratibha Dumane has been elected as the Member of the Executive Committee of the IETE Mumbai Centre for 2024-26.

Appointment as Experts, Panelists and Reviewers	
Name of faculty	**Achievement Details**
Electronics and Telecommunication	
Ms. Pratibha Dumane	**Ms. Pratibha Dumane delivered the following talks:** "Project Prowess: Enhancing Your Impact through Personal Grooming and Presentation Skills" for the B.E.- IT students on 13 July 2023. • "Art of Impactful Presentations" for B.E.- EXTC students on 01 August 2023. • "Logical Thinking and Problem-Solving" for B.E.- EXTC students on 06 October 2023. • Ms. Pratibha Dumane was invited to conduct a Workshop on Yoga on 21 June 2024, The International Yoga Day, for the students and staff of Don Bosco Industrial Training Institute, Mumbai.
Ms. Madhavi Pednekar	Ms. Madhavi Pednekar was a member of the syllabus drafting committee in the Department of EXTC/ETRX, Vivekanand Education Society's Institute of Technology, Chembur, and K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, both autonomous institutes affiliated to University of Mumbai for AY 2023-24.
Ms. Poonam Chakraborty	Ms. Poonam Chakraborty was invited as a judge in the Hindi Shayari Competition and Recitation Competition held during Hysteria 2024 at DBIT.
Ms. Aparna Telgote	Ms. Aparna Telgote delivered a talk on "Benchmarks and SOPs for NAAC-Criteria 3" during the Faculty Development Programme at DBIT on 26 August 2023.

Appointment as Experts, Panelists and Reviewers	
Name of faculty	**Achievement Details**
Electronics and Telecommunication	
Ms. Namita Agarwal	**Ms. Namita Agarwal delivered the following talks:** • "Benchmarks and SoPs for NAAC-Criteria 7" during the Faculty Development Programme at DBIT on 26 August 2023. • "How to Improve Students' Attendance and Engage them Effectively for a Better Outcome" during the Faculty Development Programme at DBIT on 16 March 2024.
Mechanical Engineering	
Dr. Pradeepkumar Suryawanshi	Mentoring Sessions for selected teams from Spark Tank by Entrepreneur Mr Hitesh Hiranon 22 March 2024
Prof. Nilesh Gaware	Received copy right on “Automatic Car Wash System using Arduino”
Prof. Johnson Nellisery	• Received copy right on “Drone for Plucking Fruits and Spraying Pesticide” • Delivered a Guest lecture on “Robotics and Automation” for Godrej & Disha’sdigitallaboratoryon18/01/2024

Paper Publication and Presentation	
Name of faculty	**Achievement Details**
Computer Engineering	
Dr. Phiroj Shaikh	• Research Paper titled “Institutional Accreditation Data Analysis And Decision-Making System” published at ICACTA 2023, SVKM’s Dwarkadas J. Sanghvi College of Engineering, Mumbai, 06-07 October 2023. • Research Paper titled “Smart Posture Analyzer for Exercise” published at 6th IEEE-ICAST-2023, K. J. Somaiya Institute Of Engineering, Sion, Mumbai, 8th and 9th December 2023. • Research Paper titled “Healthcare Chatbot using Machine Learning and NLP” published at 6th IEEE-ICAST-2023, K. J. Somaiya Institute Of Engineering, Sion, Mumbai, 8th and 9th December 2023.
Dr. Amiya Kumar Tripathy	• S.Wankhed, L. Armstrong and AK. Triapthy, (2023)A new agricultural drought Index to detect and monitor agricultural drought using Data Mining Techniques” Springer Journal of Environmental Science and Technology, JEST-D-23-01069, EMID:b6c1ef810c4267a9 (in press) • S. Naidu, A. Pandey, S. Patel, K. Wagaskar, A. K. Tripathy and S. Sen, "Flood Location, Management and Solution(FLMS): A Flood Prediction and Management System for Kurla," 2023 International Conference on Advanced Computing Technologies and Applications (ICACTA), Mumbai, India, 2023, pp. 1-6,doi: 10.1109/ICACTA58201.2023.10392346.

Paper Publication and Presentation	
Name of faculty	**Achievement Details**
Computer Engineering	
Dr. Amiya Kumar Tripathy	• A conference paper on "Agricultural Drought Forecasting Using NDVI, VCI and Artificial Neural Network" was published on 9 April 2024 at the IEEE India Geoscience and Remote Sensing Symposium (InGARSS), Bangalore, India, along with S. Wankhede and L. Armstrong, pp. 1-3, dol: 10.1109/InGARS559135.2023.10490414. • A conference paper on "Computer Vision Based Hybrid Classroom Attention Monitoring" was published in 2024 at the 2024 IEEE International Conference on Information Technology, Electronics and Intelligent Communication Systems (ICITEICS), Bangalore, India, along with S. Rawat, M. Rodrigues, P. Sheregar, and K. A. Wagaskar, pp. 1-6, doi: 10.1109/ICITEICS61368.2024.10624965. • D. Jadhav, S. K. Chettri, A. K. Tripathy, O. Ghate, R. Chaudhari and S. Avhad, "Unlocking Math Potential: EDSense - A Personalized Intervention Tool for Children with Dyscalculia," 2023 International Conference on Advanced Computing Technologies and Applications (ICACTA), Mumbai, India, 2023, pp. 1-7, doi:10.1109/ICACTA58201.2023.10393795. • Mane, V. Maurya, C. Mendonca and A. K. Tripathy, "Crowd Detection System & Prediction Analysis," 2023 International Conference on Advanced Computing Technologies and Applications (ICACTA), Mumbai, India, 2023, pp. 1-6, doi: 10.1109/ICACTA58201.2023.10393153. • Fernandes, B. Giri, B. Edison and A. K. Tripathy, "Consumer Behavioral Segmentation Analysis," 2023 International Conference on Advanced Computing Technologies and Applications (ICACTA), Mumbai, India, 2023, pp. 1-8, doi: 10.1109/ICACTA58201.2023.10392997.x

Paper Publication and Presentation	
Name of faculty	**Achievement Details**
Computer Engineering	
Dr. Amiya Kumar Tripathy	• A conference paper on "Assessment and Prediction of Urban Pollutants and its Influence on Human Health using Deep Learning Algorithm" was published in 2024 at the 2024 IEEE 9th International Conference for Convergence in Technology (I2CT), Pune, India, along with V. Kavathekar. S. K. Chettri, V. Bhanage. M. Z. Ansari, L. Babu, and A. Joshua, pp. 1-7, doi: 10.1109/12CT61223.2024.10543725. • A conference paper on "SeaBreeze Study: Exploring Air Quality Dynamics in Western Coastal Mumbai" was published in 2024 at the 2024 2nd World Conference on Communication & Computing (WCONF), Raipur, India, along with Jha, A. Alvares, S. Umbare, and S. Shitole, pp. 1-5, dol: 10.1109/WCONF61366.2024.10692183. • A journal paper on "A New Agricultural Drought Index to Characterize Agricultural Drought Using Data Mining Techniques" was published in May 2024 in The International Journal of Advanced Science and Computer Applications (UASCA) (Scopus Indexed in Q3 with a Cite Score of 2.3), along with Shubhangi Wankhede and Leisa Armstrong, Vol. 4. No. 1, May 2024, dol: 10.47679/lJasca.v4i1.63. • S. Madkaikar, V. Belhekar, Y. Dharmadhikari and A. K. Tripathy, "Generating Textual Video Summaries using Modified Bi-Modal Transformer and Whisper Model," 2023 International Conference on Advanced Computing Technologies and Applications (ICACTA), Mumbai, India, 2023, pp. 1-7, doi: 10.1109/ICACTA58201.2023.10393115.

Paper Publication and Presentation	
Name of faculty	**Achievement Details**
Computer Engineering	
Ms. Sana Shaikh	• Research Paper titled “FEED: Food Enduetion and Donation” accepted & registered for publication at ICAST- 2023 organised by K. J. Somaiya Institute of Engineering & Information Technology; presented by 9th December 2023. • Research Paper titled “Institutional Accreditation Data Analysis And Decision Making System” accepted & registered for publication at ICACTA 2023. • Research Paper titled “Women’s Rights in India” accepted & registered for publication at ICACTA 2023 organised by SVKM’s Dwarkadas J. Sanghvi College of Engineering, Mumbai; presented on 6th Oct 2023.
Ms. Kalpita Ajinkya Wagaskar	• Research Paper titled “Flood Location, Management and Solutions – FLMS” - A Flood Prediction and Management System for Kurla in collaboration with IITB was presented at ICACTA 2023 International Conference on 16th October 2023. • Research Paper titled “Repository of Faculty Activity Information System – RAISE" was presented at MRTM IEEE International Conference on 19th September 2023. • Research Paper titled “Wordle Clash – A multiplayer version of Wordle” was presented at MRTM IEEE International Conference on 19th September 2023.
Ms. Shainila Shaikh	• Research Paper titled “Smart BAT - Smart Budget Analyzer and Tracker” presented at ICACTA 2023 at Dwarkadas Sanghavi College on 6th October 2023 and 7th October 2023. • Research Paper titled “FortiShare: A Predictive Cloud File Sharing System for Detecting Intrusions” presented at ICAST 2023 at K. J. Somaiya College on 8th December 2023.

Paper Publication and Presentation	
Name of faculty	**Achievement Details**
Computer Engineering	
Ms. Dipti Jadhav	• "Unlocking Math Potential: EDSence - A personalized Intervention Tool for Children with Dyscalculia", presented in ICACTA 2023 • "Open Recommendation System for Adaptive Learning (ORSAL)" published in International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume 05, Issue 09, September 2023." • Adapting to Learning Diversity: A Technological Approach for Students with Learning Disabilities using Dynamic Interventions" submitted to the International Journal of Behaviour and Information Technology. • A conference paper on "EfficientNetB1 Model for Lung Cancer Detection using Biopsy Images" was published in 2024 at the 2024 IEEE International Conference on Information Technology, Electronics and Intelligent Communication Systems (ICITEICS), Bangalore, India, along with J. John, A. Deotale, F. Fernandez, and D. Jadhav, pp. DOI:10.1109/ICITEICS61368.2024.10624877 1-6.
Ms. Sejal Chopra	Research Paper titled "Green Cover Identification and Hotspot Analysis" accepted & reigistered for publication at ICACTA 2023. Research Paper titled "Green Cover Identification and Hotspot Analysis" presented at ICACTA 2023 at SVKM's Dwarkadas J. Sanghvi College of Engineering on 7th October 2023. Research Paper titled "Streamlining Clinical Practice Management: An Online Portal solution for Quality Healthcare access" accepted & registered for publication at ICAST- 2023 on 8th December 2023

Paper Publication and Presentation	
Name of faculty	**Achievement Details**
Electronics and Telecommunication	
Sudhakar Mande	• "Design and Performance Analysis of FPGA based DPU using MAC Unit," 2023 IEEE 8th International Conference for Convergence in Technology (12CT), Lonavla, India, 2023, pp. 1-6, doi: 10.1109/12CT57861.2023.10126363. • "Design of Scalability Enabled Low Cost Automatic Speaker Recognition System Using Light Weight Multistage Classifier", IETE Journal of Research, 1-15. https://doi.org/10.1080/03772063. 2023.2252386
Satishkumar Chavan	• "Karyotyping of Human Chromosomes in Metaphase Images using Faster RCNN and Inception Models, International Journal of Imaging Systems and Technology, Wiley Publication, 2024. DOI: 10.1002/ima.23041, Web of Science and Scopus (Accepted). • "A System for Feature Extraction and Classification of Ovarian CT Radiology Reports," IEEE 6th International Conference on Advances in Science and Technology (ICAST 2023), Mumbai, 08-09 December, 2023. • "Survival Prediction in Renal Cell Carcinoma Patients using Machine Learning," IEEE 6th International Conference on Advances in Science and Technology (ICAST 2023), Mumbai, 08-09 December, 2023.
Satishkumar Chavan, Pratibha Dumane	• "Evaluating the Effectiveness of Machine Learning Models for Early Diagnosis of Chronic Kidney Disease" in The Indian Journal of Technical Education, Volume 47, Special Issue No. 1, February 2024.

Paper Publication and Presentation	
Name of faculty	**Achievement Details**
Electronics and Telecommunication	
Satishkumar Chavan , Pratibha Dumane	• "Sustainable Development Assessment of South Asian Countries Using Fuzzy Logic," Proceedings of the 4th International Conference on Advanced Technologies for Societal Applications - Volume 1 (Techno-Societal 2022), Springer, Cham, Chapter 29, pp. 261-269, September 2023, ISBN 978-3-031-34643-9.DOI: https://doi.org/10.1007/978-3-031-34644-6_29.
Namita Agarwal	"Design of Web Based Student Information System" at the National Level Student Conference IEEE TECHNICOKNOCKDOWN-2024 organised by Sinhgad Institute of Technology, Lonavala on 20 April 2024
Madhavi S. Pednekar	"Automatic Identification of Malvani Dialects from Audio Signal Based on Hybrid FFO-TSO with Deep Neural Network", An International Journal of Multimedia Tools and Applications, 2024 Springer (Accepted).

Paper Publication and Presentation	
Name of faculty	**Achievement Details**
Mechanical Engineering	
Dr. Pradeepkumar Suryawanshi	• Suryawanshi, P., Singh, R., and Gupta, A. (2024). A mass spring model applied for characterizing mode_I fracture in orthotropic materials. Journal of MechanicsofMaterialsandStructures,19(2):213–233. • Suryawanshi, P. (2024). A mass spring model applied for simulation and characterization of behavior of composite structures. Journal of Mechanics of MaterialsandStructures,19(3):397–418. • Suryawanshi, P., Genetic algorithm based approach for identification of mesh topology of mass spring models for simulation of deformable objects. (Manuscript under Review at Journal of The Institution of Engineers (India): SeriesC(IEIC))
Prof. Shreeprasad Manohar	• Manohar, Shreeprasad S., Chinmoy Das, and Vikramjit Kakati. "Bone Tissue Engineering Scaffolds: Materials and Methods." 3D Printing and Additive Manufacturing11,no.1(2024):347-362. • Manohar, Shreeprasad S., Chinmoy Das, and Vikramjit Kakati. "A Review of Materials Suitable for tissue engineered bone scaffold." Emerging Technology for Sustainable Development: Select Proceedings of EGTET20221061(2023) 19
Prof.Hemant Hodage	Published a paper on International conference on “An Investigation of Threaded Insert Performance in Additively Manufactured Parts” At IIT (BHU)Varanasi

Paper Publication and Presentation	
Name of faculty	**Achievement Details**
Information Technology	
J. Baikerikar, K. Patil, A. Jadhav, A. A. D'Souza, V. Sekar and S. Naik"	Machine Learning based Facial Recognition and Finger Print Identification for Secure Locker Access," 2024 IEEE 9th International Conference for Convergence in Technology (I2CT), Pune, India, 2024, pp. 1-7, doi: 10.1109/I2CT61223.2024.10544254.
V. Kavathekar et al.,	"Assessment and Prediction of Urban Pollutants and its Influence on Human Health using Deep Learning Algorithm," 2024 IEEE 9th International Conference for Convergence in Technology (I2CT), Pune, India, 2024, pp. 1-7, doi: 10.1109/I2CT61223.2024.10543725.
S. Katariyar, P. Tendolkar, S. Chavan, S. Krishnan, S. Shinde and N. Sable	"Survival prediction in renal cell carcinoma patients using machine learning," 2023 6th International Conference on Advances in Science and Technology (ICAST), Mumbai, India, 2023, pp. 362-367, doi: 10.1109/ICAST59062.2023.10455029.
S. Guruswamy, B. Sharma, N. Sable, C. N. Kurane and S. Chavan	"A system for feature extraction and classification of ovarian CT radiology reports," *2023 6th International Conference on Advances in Science and Technology (ICAST)*, Mumbai, India, 2023, pp. 464-469, doi: 10.1109/ICAST59062.2023.10455010.

Paper Publication and Presentation	
Name of faculty	**Achievement Details**
Information Technology	
S. Patil, A. Engavle, R. Langhi, A. Joseph and S. Negi	"Predicting Engagement and Boredom in Online Video Lectures," 2024 IEEE 9th International Conference for Convergence in Technology (I2CT), Pune, India, 2024, pp. 1-6, doi: 10.1109/I2CT61223.2024.10543777.
K. Patil, J. Barpute, M. Arkadi, S. Bhirud, Catherine Esther Karunya A, J. Blesswin A, Selva Mary G, Shibani Raju S	"Semantic pixel encoding visual secret sharing technique for balancing quality and security in color images", Journal of Autonomous Intelligence, Volume 7(online), No 3 (Jan 2024) DOI: https://doi.org/10.32629/jai.v7i3.1159
Selva Mary G., M. Arkadi, Sangeetha K., S. Suryawanshi, John Blesswin	A"Outcome-Based Assessment In India: A Method for Quantifying Course Outcome Attainment", Journal of Autonomous Intelligence, Volume 7(online), Issue 2 (Dec 2023) DOI: https://doi.org/10.32629/jai.v7i2.116

Paper Publication and Presentation	
Paper Publication and Presentation	
Name of faculty	**Achievement Details**
O. Jannu, V. Sekar, T. Padhy and P. Padalkar	"Comparative Analysis of Deepfake Detection Models," 2024 IEEE 9th International Conference for Convergence in Technology (I2CT), Pune, India, 2024, pp. 1-8, doi: 10.1109/I2CT61223.2024.10543823.
D. Colaco, R. Dabke, R. Esteves, S. Patil and P. Padalkar	"Co-curricular Bank of Credits for Educational Institutions," *2024 IEEE 9th International Conference for Convergence in Technology (I2CT)*, Pune, India, 2024, pp. 1-7, doi: 10.1109/I2CT61223.2024.10543342.

STUDENT ACHIEVEMENTS

Student Name	Event/Project/Sports	Achievement
Technical Achievements		
Arkaprabha Ghosh, Nathan Pimenta, Shaun Rodrigues	Teknack 2024	BestGame UI
Nishith Lopes, Raghav Ghoil, Sahil Khude		BestGame Play
Jess John		BestGame Concept
Shweta Nadar		People's Choice
Team Byte Mavericks Aditya Kareer (TE IT) Shazmeen Shaikh (TE IT) Pradnya Ingulkar (TE IT) Aryaan Sawant (TE IT) Oswin Alex (TE IT) Sumit Sawant (TE IT)	Smart India Hackathon	Winner
Ehtesham Siddiqui	A Block Chain Based Artificial IOT data Acquisition in edge computing environment	The Government of India published the patent on September 1st, 2023

Student Name	Event/Project/Sports	Achievement
Technical Achievements		
Rutvik Patil Premkumar Singh Suhani Sawant	IEEE DBIT successfully advanced to the selection round of the **IEEE R10 Stage-I Robotics Competition**.	Final Top Two Teams Selected
Mr. Shafik Shaikh, TE Mr. Faiz Chougule, TE Mr. Girish Sangare, TE (EXTC)	"**Water Rocket Competition**" held at by at Sardar Patel Institute of Technology, Mumbai on 14 October 2023	2nd Position
Mr. Kartik Dandelia, SE Ms. Zubia Sarang, SE Mr. Aryan Arde, SE Mr. Gavin Lobo, SE (EXTC)		3rd Position

Student Name	Event/Project/Sports	Achievement
Technical Achievements		
Alan Fernandes, Tiffany Jesus, Leona Varghese	Avishkar Intercollegiate Research Convention (Zonal Round) Engineering & Technology Category (UG Level) organized by Mumbai University	Presented a research project titled "Cognitive Structuring: Adaptive Learning for Dyscalculic Children "
Vipul Belhekar, Yash Dharmadhikari, Siddhesh Madkaikar		Presented a research project titled "Interactive 3D Bot with Generative AI "
Melwin Lewis, Gaurav Mishra, Sahil Singh		Presented a research project titled " AI based multiplayer 2D Fighting Game with Rollback Netcode "

DBIT AFFAIRS

IQAC REPORT 2023-24

The DBIT- Internal Quality Assurance Cell (IQAC) has been is working in the year 2023-24 in responsible manner for a number of tasks, including:

Quality benchmarks: Developing and applying quality parameters for academic and administrative activities by creating an environment that encourages quality education and faculty development. Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.

Feedback: Has been gathering feedback from students, parents, and other stakeholders on quality-related institutional processes.

Quality information and Workshops: Has been sharing information on higher education quality parameters followed by organizing of inter and intra institutional workshops and seminars on quality-related themes and promotion of quality circles.

Quality documentation: Coordinating quality-related activities, including adopting and sharing best practices and has been working on developing quality culture in the institution Time to Time through Institutional database like Developing and maintaining an institutional database using MIS.

Quality culture: Preparing the annual quality assurance report (AQAR) as per guidelines and parameters of NAAC from the Recording programs and various activities that improve quality as well as developing quality radars and ranking integral units of the institution every years during pre- and post-accreditation quality assessments.

Academic and research programs: Ensuring the quality and relevance of academic and research programs and sharing research findings and networking with other institutions

Support structure to Teaching and learning: Integrating and optimizing modern methods of teaching and learning as well as ensuring the credibility of evaluation procedures by ensuring functioning of the support structure and services. Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process

ACTION PLAN

Sr. No.	Action Planned	Responsibility	Deadline
1.	Teacher Competency review and training plan	IQAC nominated team	31 Dec 2023
2.	Resource plan to be devloped	HoDs, Principal	30 Nov 2023
3.	Student Council to provide plan on DBIT Brand building on social media	Dean Student Affairs, Website Commitee	31 Jan 2024
4.	Communication skills upgradation VAC	Principal nominated team	31 Dec 2023

ACADEMIC ADVISORY COUNCIL

Sr No	Department	Name Of AAC Members / Faculty Members	Name Of Organisation with Designation
1	Mechanical Engineering	Dr. S. Krishnamoorthy	Mentor (MechanicalEngineering Dept)Advisor, DBIT
2		Mr Prashant Chouthkanthiwar	Associate Vice President atGodrej & Boyce
3		Prof. Bhalchandra Puranik	Professor,IIT Bombay
4		Mr. Shreyas Bakshi	Innovation Wor(k)shipper, Leader, Strategist, Coach, Advisor, Architect, Facilitator
5		Mr. Llewellyn D'sa	Co-Founder & CEO, Robo Bionics
5	Electronics and Telcom.	Dr. Milind Shah	Professor and Head (EXTC), Fr. C. Rodrigues Institute of Technology, Navi Mumbai
6		Mr. Sunil Dulange	JNPT
7		Mr. Hansel Crasto	DBIT EXTC Alumni

Sr No	Department	Name Of AAC Members / Faculty Members	Name Of Organisation with Designation
11	Computer Engineering	Mr. Atul Gadre	Tata Consultancy Services
12		Mr. Thomas Lobo	Roots2Wings Training Solutions
13		Dr. Bernard Menenzes	IIT Bombay
14		Ms. Ditty Varghese	Sustainable Living Lab
16	Information Technology	Dr. Irfan Siddhavatam	Professor and Director, Somaiya School Of Design
17		Mr. Yorrick Creado	IT Alumni and Manager at EY

FACULTY DEVELOPMENT PROGRAMME

Sr No	Topic	Date
1	Agenda: Leadership addresses, NAAC criteria presentations, and a seminar on NEP 2020 implementation.	26-8-23
2	Agenda: Sessions on "Mentoring: The Don Bosco Way" and "Financial Literacy."	7-10-23
3	Faculty and student achievements, Principal's presentation, and committee updates on key institutional activities.	28-10-23
4	Revisiting CO-PO-PSO attainment calculations and a tool demonstration by Prasad Padalkar.	13-1-24
5	Strategies to enhance student attendance and engagement in classrooms and laboratories for improved learning outcomes.	16-3-24
	Opportunities with Eduskills and insights into Transactional Analysis.	6-4-24

ALUMNI ENGAGEMENT

The Alumni Meet 2024 of Don Bosco Institute of Technology (DBIT), titled **Synchrony Meet 2024**, was held on **Saturday, 10th February 2024**, in Fr. Mondini Hall. The event celebrated the enduring bond between the institution and its alumni. It featured a warm welcome, a prayer by Rev. Fr. Nelson, and a lamp-lighting ceremony led by Principal Dr. Sudhakar Mande and other dignitaries.

Cultural performances by students and speeches by Fr. Anthony Pinto and Dr. Sudhakar Mande highlighted DBIT's achievements, including a 97.58% passing rate, 1500 placements since 2017, and significant investments exceeding ₹20 crore in labs and infrastructure. Alumni like Mr. Cavin Rego (Batch 2014, EXTC) and Mr. Grejo Joby(Batch 2022, Computer) shared their journeys, with Mr. Joby introducing Tecknak, a student-led gaming studio. Ms. Elsa Mathew Samuel (Batch 2021, Mechanical) and Mr. Priyash Lalichan (Batch 2014, IT) expressed their gratitude to DBIT for shaping their careers.

The event also included spot prizes, the felicitation of Former Principal Dr. Prasanna Nambiar, and an address by Fr. Charles Anthony, who encouraged alumni to embody the **A.L.U.M.I.** spirit: Ambassadors of Don Bosco. The evening concluded with a vote of thanks by Ms. Madhavi Pednekar, acknowledging the Student Council's and faculty's efforts. The meet rekindled connections and celebrated the vital role of alumni in DBIT's success.

ALUMNI ENGAGEMENT

PARENTS TEACHER MEET

FIRST YEAR	
Class	**Points of discussion**
Div A	> Ward's attendance > IA performance > Exam schedule > Parents requested access to student performance data
Div B	> Individual subject performance > Classroom discipline and attendance > Parents suggested hosting performance updates on the website
Div C	> Reviewed attendance and IA results > Additional queries were answered > Parents suggested one-to-one sessions for queries and emphasized on regular updates for student improvement
Div D	> Covered academic progress and attendance > IA results > Classroom behaviour > Parents requested for regular academic updates and increased interaction with ATKT students
Div E	> Parents suggested individual focus, morning PTM sessions > Orient parents on scoring and attendance requirements > Ways to improve academic and overall performance

PARENTS TEACHER MEET

Department	Points of discussion
Computer Engineering	> Displaying ongoing departmental activities > Glimpse at various internship opportunities > IA-1 results & academic progress > Attendance status.
Information Technology	> Results of IA-1 (Sem-3) > Various obstacles faced while enhancing the quality of teaching-learning process from both ends.
Electronics & Telecommunication	> Student's academic progress > Guidelines for better cognitive abilities and communication.
Mechanical Engineering	> IA-1 marks > Class attendance > Any financial difficulties faced by the students > Q&A session with parents .

N.S.S. & OUTREACH ACTIVITY

The National Service Scheme (NSS) unit was established at DBIT in 2005. Each year, 150 students from DBIT actively participate in NSS initiatives, including health, education, social engineering, and environmental projects. The NSS volunteers focus on holistic community development through both direct and indirect interventions in urban and rural areas across Maharashtra. The unit prioritizes activities that are implementable, measurable, and sustainable. In recognition of their efforts, the DBIT NSS unit received an award from the NSS Cell of Mumbai University as the best district-level college and program officer in 2015-16. The NSS website and NSS E-Diary application were designed by DBIT NSS volunteers. Through these activities, students gain valuable experience in working with communities to solve their problems, often through technological solutions. The following activities were conducted during the academic year 2022-23:

Sr No.	Name of the activity-particular	Duration(Hrs)
1	SAVE THE OCEANS	08
2	BLOOD DONATION DRIVE	15
3	SYMBIOS	08
4	CAREER GUIDANCE	16
5	UTKAL SCHOOL TEACHING	50
6	DON BOSCO ORATORY	150-200
7	RRC STREETPLAY AND AWARENESS	08
8	BEACH CLEAN-UP	04
9	BASIC TAILORING COURSE	60
10	PLANTATION IN CAMPUS	08
11	DISASTER MANAGEMENT WORKSHOP	08
12	MENSTRUAL HYGIENE	04
13	VOTERS' AWARENESS DRIVE	10
14	MUSKAN CAREER GUIDANCE	48
15	ECOGARDEN	08
16	WOMEN SHG STALL	08
17	COLOSSEUM VOLUNTEERING	12
18	ENGLISH FOR EMPLOYABILITY	120
19	INTERNATIONAL YOGA DAY	08
20	REVENUE DAY	04

Sr No.	Name of the activity-particular	Duration
21	SKILL NEED ASSESSMENT	10
22	RAKSHABHANDAN	08
23	INDEPENDENCE DAY	04
24	DON BOSCO DAY	02
25	COMPUTER COURSE	10
26	REGREEN PROJECT	120
27	CHUIM COMMUNITY CENTRE	08
28	SELF DEFENCE	08
29	RRC WORKSHOP	08

NSS RURAL CAMP 2023-2024

Dates: - 15th to 21th December 2023
Duration: - 07 days
Venue: - Walvanda village, Jawhar, Palghar District
Number of students: - 46 NSS volunteers.

The first activity began with a session on Climate Change and Its Impact on Rural Areas, conducted by Mr. Macenzy Dabre. During the program, books were donated to local schools, and volunteers taught Math, Science, and English for four days. The Solar JalJoyti project was also implemented in 15 homes. Warli artist Vishal Shende held a workshop on Warli painting for the NSS volunteers. Various awareness programs covering health, education, financial literacy, and addiction were organized in the village. Mr. Prakash Wagh gave a talk on rural issues and the role of youth in addressing them. To experience rural life firsthand, students visited families in Sadakpada village, shared meals, and observed their daily activities.

COUNSELLING & MENTORING

After overcoming a few initial challenges, the counselling department smoothly took on its responsibilities. One of the key initiatives for the department this year was the mentoring process. Before engaging with staff members, the counsellors held several discussions regarding the mentoring process. Meetings were held with mentors from each department, where the following topics were addressed:

- Understanding students' aspirations and aptitudes
- Monitoring students' academics and attendance
- Assisting students in identifying support systems for their academic success and mental well-being to help them excel as engineers

On July 5, 2023, a meeting was organized to discuss the plan for 2021-22 and to consider the creation of a mentorship manual. On August 21, 2023, another meeting was held to refine the objectives of the mentoring committee. Additionally, on August 31, 2023, a meeting took place to discuss the documentation related to NBA Criterion 9.

A meeting with peer mentors was convened on April 5, 2023, with the Campus Minister and Mentoring Committee members to gather feedback from peer mentors regarding:

(i) Their experiences as peer mentors,

(ii) How they have benefited from the process, and

(iii) Their suggestions for improving the mentoring process.

Regular mentoring was carried out by both faculty and peer mentors. The consolidated reports of mentoring activities conducted by faculty and peer mentors were submitted to the respective departments, based on the reports submitted twice per semester.

KARJAT NATURE TRIP FOR FE STUDENTS

On December 22, 2023, first-year engineering students embarked on a Nature Trip and Adventure Program to Karjat, Raigad. Don Bosco's Yuva Sanstha in Karjat, which fosters student growth in various aspects, hosted the trip. The theme for this year's excursion was "Youth for Adventure and Being with Nature."

The primary objectives of the trip were to build students' confidence and motivate them to focus on personal growth by addressing various individual challenges. Another key goal was to help students connect with the ecological environment, enhancing their understanding and knowledge of nature, and encouraging them to implement sustainability practices both on and off campus.

A variety of activities were organized to achieve these objectives, helping to shape students into capable leaders.

STUDENT CHAPTER ACTIVITES

ACM DBIT

Chairperson: Leander Braganza
Vice-Chairperson: Joshua Menezes
Convener: Prof. Imran Ali Mirza
Organized: C-Programming Course, FE ACM Orientation, Cyber Security Seminar, Teknack 23 Pre Event: Valorant Gaming Tournament, Database linking to Flask workshop, Arduino Workshop,

CSI DBIT

Chairperson: Venessa Nadar
Vice-Chairperson: Aditya Gotivarekar
Convener: Prof Nilesh Ghavate
Organized: Web Dev Series, Git & Github Workshop,Generative AI Workshop.

IEEE DBIT

Chairperson: Annanya Zadbuke
Vice-Chairperson: Dibyarupa Pradhan
Convener: Prof. Freda Carvalho
Organized: AutoBotx Workshop,Technical Report Writing Workshop,IEEE DBIT Office Bearer's Ceremony,IEEE DBIT Office Bearer's Ceremony,Water Rocket Workshop & Competition.

IETE-DBIT-ISF

Chairperson: Bhavesh Patil
Secretary: Neel Pujari
Convener: Prof. Pratibha Dumane
Organized: Robowars, IP Networking, Session, Oscillations 2k23, Talk Industry Insights : Project to Product, HAM Radio.

ISHRAE-DBIT

Chairperson: Nehail Bhandari
Vice-Chairperson: Tarun Muali
Convener: Prof. Cleta Pereira
Organized: Seminar on Marine Engineering , Walk through Around of Refrigeration Systems ,Tech Quest Event (Treasure hunt),Expert Talk on "Technical Advancement of field devices in HVAC Industry".

MADGEARS MOTORSPORTS CLUB

Chairperson: Shaun Pinto
Vice-Chairperson: Varad Kadam
Convener: Prof. Nilesh Gaware
Organized:- Inauguration and Unveiling of Go-kart event,workshop on "RevvUp: From Theory to Track"
Participated:-National level Go Kart Design Challenge (GKDC) Season 11 competition,Natioanal Level Formula Kart design Challenge FKDC Season 7 competition

DOMAIN (MATHS CLUB)

Chairperson: Manish Patil
Vice-Chairperson: Harsh Dusane
Convener: Dr. Revathy Sundararajan
Conducted calculator workshop for FE students. Conducted peer learning FE and DSE students. Organized a Technical Paper Presentation competition as a part of Colosseum 2024.

E-CELL (ENTREPRENEURSHIP CELL)

Chairperson: Kevin Lewis
Vice-Chairperson: Harsh Panchal
Convener: Prof. Kalpita Wagaskar
Organized: Conducted the flagship event: Make-A-Thon, an intercollegiate competition that gives rise to the budding entrepreneurs. Organised Tech Quest Event (Treasure hunt) 2024

LITERARY SOCIETY

Chairperson: Aveesah Siddiqui
Vice-Chairperson: Neha Nair
Convener: Prof. Sachin Sugave
Organized: J.A.M. Session for FE students, Murder Mystery Game, Onam elocution Competition, Online Debate Competition

SOCIAL INNOVATION FOR ENVIRONMENT

Chairperson: Aaradhya Deotale
Vice-Chairperson: Manish Patil
Convener: Dr. Ashwini Kotrashetti
Organized: SOS Nature Photography competition, SGNP Nature walk, DBIT Campus Waste audit

FROM THE EDITORIAL TEAM

It is with great pride and enthusiasm that we present the **Annual Report** for **Don Bosco Institute of Technology** for the academic year **2023-24**. This report reflects our institution's unwavering dedication to academic excellence, innovation, and inclusivity.
Despite challenges, we have turned obstacles into opportunities for growth. We remain dedicated to empowering our students and fostering a dynamic learning environment.

We extend our deepest gratitude to our faculty, staff, and students for their dedication and passion. Together, we will continue to inspire change and build a brighter tomorrow.

Sincerely,
Editorial Team

Prof. Sachin Sugave
Chief Editor

Rhea Paul
Data Compiler

Saad Kazi
Editor

Nazeefa Hussain
Designer

Pranali Pathak
Designer

Bhakti Jain
Asst. Editor

Amey Gore
Asst. Editor

Aniruddh Phadtare
Asst. Editor

THE DON BOSCO ETHOS

Truth	**: Via words and deeds**
Teamwork	**: One for the Other**
Participation	**: Explore & Learn**
Belief	**: Everyone Can**

The Don Bosco Education believes in the Spirit of Joy, Celebration, Confidence, Familiarity, Friendliness and Freedom. The focal point of the Don Bosco Education is to pervade and integrate the presence of Home, Playground and Classroom. It intents in building Education for a Happy life.

The Don Bosco presence is Welcoming, Loving, Motivating and Incarnational. It Teaches Moral Values and Molds Creativity along with being Open to Discovery and Connecting with others.