DON BOSCO INSTITUTE OF TECHNOLOGY

Engineering College

Annual Report

2018-19

Contents

1. NAAC ACCREDITATION

The NAAC committee visited DBIT campus on 25 and 26 March 2019. The Peer Team comprised of the following:

Sr. No	Name and affiliation	Position
1	**Prof. Parimal Vyas** VC of The Maharaja Sayajorao University of Baroda,Pratapgunj, Vadodara- 390002 Gujarat	Chairperson
2	**Prof. Gautam Majumdar** Dept of Mechanical Engineering Jadavpur University, Kolkata- 700032 West Bengal	Team Member
3	**Dr. Syeda Sameen Fatima** Department Of Computer Science And Engineering, College Of Engineering, Osmania University, Hyderabad-500007	Team Member

Don Bosco Institute of Technology
Premier Automobiles Road, Kurla (W), Mumbai – 400070.

Welcomes

NAAC PEER TEAM

CHAIRPERSON
Prof. Parimal Vyas
VC of The Maharaja Sayajirao University of Baroda, Gujarat

MEMBER, CO-ORDINATOR
Prof. Gautam Majumdar
Dept of Mechanical Engineering, Jadavpur University, Kolkata

MEMBER
Prof. (Dr.) Syeda Sameen Fatima
Department Of Computer Science And Engineering, College Of Engineering, Osmania University

25TH & 26TH MARCH 2019

DON BOSCO INSTITUTE OF TECHNOLOGY

NAAC PEER TEAM
Interaction with Students
25th & 26th MARCH 2019

Don Bosco Institute of Technology

Don Bosco Institute of Technology
Premier Automobiles Road, Kurla (W), Mumbai – 400070.

Welcomes

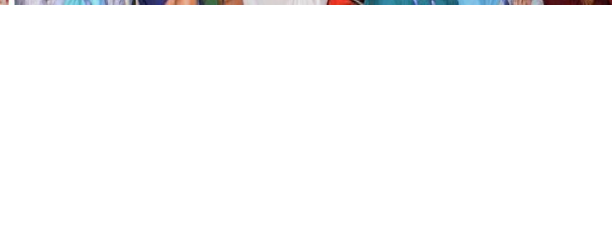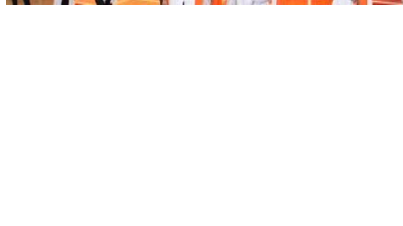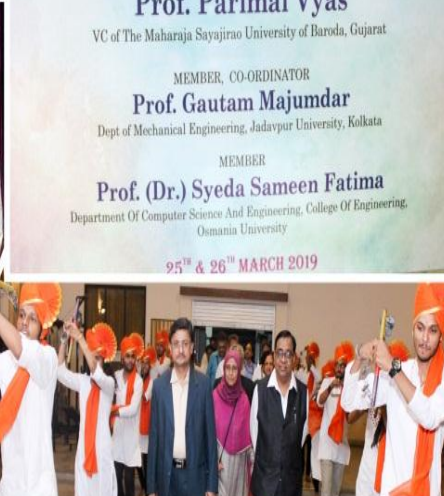# NAAC PEER TEAM

CHAIRPERSON

Prof. Parimal Vyas
VC of The Maharaja Sayajirao University of Baroda, Gujarat

MEMBER, CO-ORDINATOR

Prof. Gautam Majumdar
Dept of Mechanical Engineering, Jadavpur University, Kolkata

MEMBER

Prof. (Dr.) Syeda Sameen Fatima
Department Of Computer Science And Engineering, College Of Engineering, Osmania University

25TH & 26TH MARCH 2019

DON BOSCO CENTRE for LEA

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the

National Assessment and Accreditation Council

on the recommendation of the duly appointed

Peer Team is pleased to declare the

Don Bosco Institute of Technology

Kurla (W), Mumbai, affiliated to University of Mumbai,

Maharashtra as

Accredited

with CGPA of 2.87 on seven point scale

at B^{++} grade

valid up to March 27, 2024

Date : March 28, 2019

Director

EC(SC)/37/A&A/MHCOGN101498

2. ADMISSIONS 2018-19

CET SCORE-WISE DISTRIBUTION

MH-CET SCORE	EXTC	COMPS	IT	MECH	TOTAL	%
200-160	0	0	0	0	0	0%
159-140	0	0	0	02	02	01%
139-120	02	14	12	20	48	17%
119-100	15	08	10	25	58	21%
99-80	09	18	08	21	56	20%
79-01	20	24	32	40	116	41%
Total	49	64	62	108	283	100%

ADMISSIONS BRANCH-WISE

Branch	EXTC	COMP	IT	MECH
Sanctioned Intake	60+4	60+4	60+4	120+7
Actual Admitted	49	64	62	108
Vacancies	15	0	02	19
Highest CET	122	136	130	150
Lowest CET	46	66	48	49

3. ACADEMIC PERFORMANCE

YEAR	2017-18				2018-19			
	FE	SE	TE	BE	FE	SE	TE	BE
EXTC	65.38	71.62	87.32	98.63	67.4	73.68	46.91	92.21
COMPS	83.33	91.89	97.5	100	74.6	92.31	94.29	93.75
IT	66.67	72	88	94.03	64.5	70.67	86.25	98.68
MECH	72.8	63.45	74.17	97.18	58.9	72.41	78.47	98

The performance of the students has been on an average better than in the previous year, except with FE. It is expected that FE results will improve considerably after re-evaluation. This has been largely due to the various initiatives taken by the faculty to engage the students effectively and monitor their progress on a regular basis. Irregular attendance and unsatisfactory academic performance is reported and the students are counselled. Parents are also informed and advised accordingly.

4.STUDENT DATA

CLASS	EXTC		COMP		IT		MECH		TOTAL	
	M	F	M	F	M	F	M	F	M	F
FE	43	06	39	25	45	17	100	08	227	56
SE	58	18	52	25	51	24	134	17	295	84
TE	63	21	50	20	51	29	131	14	295	84
BE	47	29	58	22	51	26	143	10	299	87
TOTAL	211	74	199	92	198	96	508	49	1116	311

5.STAFF DETAILS

TEACHING STAFF

BRANCH	BSH	EXTC	COMP	IT	MECH	TOTAL
Number of Faculty (Department wise)	11	14	14	12	25 including Principal	76
Full Time	10 (01adjunct)	14	13 (01 on Study Leave)	12	25	74 (01adjunct)
Approved	07	11	12	10	19	59
Male	04	4	3	5	19	35
Female	07	10	11	7	6	41
PG	08	12	12	12	21	65
Ph.D.	03	02	02	00	04	11
Assistant Professor	10	12	12	12	22	68
Associate Professor	0	01	01	00	00	02
Professor	01 adjunct	01	01	00	03 (including Principal)	06

NON-TEACHING STAFF

SR. NO.	Department	Permanent	Temp/Adhoc	Total
1	Mechanical/workshop	10	04	10
2	EXTC	05	00	05
3	FE	01	01	02
4	Server	08	04	08

6. PLACEMENT STATISTICS

	2016-17			2017-18			2018-19		
DEPT	**TOT**	**EL**	**PL**	**TOT**	**EL**	**PL**	**TOT**	**EL**	**PL**
EXTC	65	30	29	63	40	35	77	45	43
COMP	73	57	39	70	48	44	81	41	43
IT	67	36	43	67	38	34	77	38	42
MECH	152	63	52	141	72	43	157	65	53
TOTAL	**357**	**186**	**163**	**341**	**198**	**156**	**392**	**189**	**181**

TOT: Total number of students

EL: Total number of eligible students of those opting for placement

PL: Total number of students placed

CTC DATA

No	CTC Range	Number of students		
		2017	**2018**	**2019**
1	**2 lacs- 3 lacs**	**15**	**5**	**0**
2	**3 lacs- 5 lacs**	**147**	**154**	**150**
3	**5 lacs – 10 lacs**	**3**	**15**	**30**
4	**10 lacs and above**	**0**	**0**	**2**

7.FACULTY ACHIEVEMENTS

Depart ment	Name of the Faculty Member	Achievement Areas	Particulars
FE-BSH	Dr.Vinod G Dr.Revathy S	Selected as Judges for Aavishkar	. Certificate for the same
EXTC	**Dr. Ashwini Kotrashetti**	**PhD in Electronics & Communication Engineering**	**Awarded PhD degree in Electronics & Communication Engineering from Assam Don Bosco University in May 2019.**
	Dr. Sudhakar Mande	Member of the Statutory Body of K. J. Somaiya College of Engineering, asVC nominee	
	Dr. Sudhakar Mande	Appointed as a Member of the Advisory Committee	At Atharva College of Engineering, Terna College of Engineering, and Rajiv Gandhi Institute of Technology, Mumbai.
	Dr. Sudhakar Mande	Session Chair for various conferences	Conference on Technologies for Future Cities (CTFC) - 2019, Confluence organized by Terna College of Engineering, International Conference on Recent Trends in Sustainable Technologies, organized by IETE,
	Dr. Ashwini Kotrashetti	Secretary, IEEE Bombay Section, MTTS Chapter since 2013	Office Bearer of IEEE Bombay Section
	Dr. Ashwini Kotrashetti	Appointed as Jt. Treasurer of IEEE Bombay Section.	Office Bearer of IEEE Bombay Section

Department	Name of the Faculty Member	Achievement Areas	Particulars
COMPS	Amiya Kumar Tripathy	Delivered talks in various forums	1. IoT in agriculture, RUSA 2. Data Science in Smart Agriculture, RUSA 3. IoT and remote sensing in agriculture 4. FDP on Spatial and Graph Databases, MHRD
		Conducted at Centre for Geoinformatics, DBIT, 7-11 January 2019.	1. Workshops: Machine Learning Applications for Spatio Temporal Data Analytics, Short term Training Programs in association with IEEE-GRSS Mumbai Chapter 2. Leadership through Entrepreneurship an International Program, DBIT, Mumbai and ECU, Perth Australia joint student workshop,
		Hosted at DBIT, January 21, 2019.	
		Guest Lecture	Spatial Databases, Guest Lecture session at K J Somaiya college of Engineering, 17 October 2018
	Dr. Amiya, Sana Shaikh, Priya Kaul	Orientation Programme	Data Warehousing and Mining Orientation Program for Computer Engineering teachers of University of Mumbai, DBIT, Mumbai, 08 January 2019.
	Ms. Priya Kaul	Completed certification course on "Python Programming"	Certification Course
	Ms. Deepali Kayande	Completed certification course on "ML for Neural Network"	Certification Course
IT	Nilesh Ghavate, Prasad Padalkar	Consulting contract	Website development contract for NCQM
	Prasad Padalkar	Professional Qualification	Yellow belt certification in Six sigma - Coursera
	Tayyabali Sayyed, Vaishali Kavathekar	Invited speakers	Topic: "Geospatial data infrastructure"

MECH			
	Dr. N.M Rao	Research projects	Successfully completed the fabrication and erection of Two research projects amounting to INR 3.89 Lacs funded by Internal promotion Research scheme (IPRS) under R&D budget, DBIT
		Consultancy	Successfully completed consultancy work on "Alteration and Modification of Treadmill" amounting to INR 12,100
		Reviewer	Fluid Mechanics and Fluid Power 2018
		International Conference	Published Two papers in International Conference on "Research Aspects in Renewable Energy, Green Technology, Engineering and Environmental Science and its Application for Development of Rural India"
	Dr. N. M. Rao, Mahesh Rajwade, Swapnil Gujrathi & Deepika Gupta	Consultancy	Successfully completed consultancy work on "Vetting of Bearing Selection Analysis for the Fan & Drive System",with Coolflo Private Engineers Ltd. amounting to INR 15,000
	Sandeep Sabnis	ISPG 2018-2019 Research Grant Rs. 50,000/- was received for the project	ISHRAE STUDENT PROJECT GRANT (ISPG) Under Graduate ISPG UG
	Dr Y S Padiya	Research work	Successfully tested Spherical beads for cooling tower and evaporative cooling purpose
	Mr. Shreeprasad S Manohar	1. Research Project 2. Consultancy Project	1. Research Project for BARC 2. Worked on a Consultancy project Autosampler – Design, Manufacturing and Testing with M/S ASE Analytics Mumbai.
	Johnson Varghese	Product Development	Resource person for IEEE-HAC Funded project on "Low Cost Incineration Techniques of Sanitary waste"
	Deepika Gupta	Research	Funding approved to carry out research on "Detection of Fluoride ions in water"

8.Minor research Grant Details

Sr. No	Department	Faculty	Amount, Rs	Topic
1	Mechanical	Dr Y S Padiya	25000	Design and Development of Effective Autonomous Solar Panel Cleaning Robot
2		Prof Sandeep Sabnis	40000	Design, fabrication and experimental evaluation of Catalytic conversion system for conversion of Biogas to Syngas
3		Prof Juned Ahemad	30000	Minicooler running on waste heat
4		Prof Shreeprasad Manohar	30000	Hybridization of Fused Deposition Modeling (FDM) – Design and Fabrication
5		Prof Pradeep Suryawanshi	30000	Design and development of vibration table for vibration testing of electronic components
6	E & TC	Prof Madhavi Pednekar	35000	Design and Implementation of Advanced Water Quality Testing System
7		Prof Aparna Telgote	25000	Implementation and Analysis of Energy Efficient Routing Protocol for WSN.
8		Prof Gejo George	25000	Design & Development of InfoTech Rover
9		Prof Ashwini Kotrashetti	25000	Development of Real time Data plotting system using Open Source tool for wireless Healthcare Monitoring
10	IT	Prof Vaishali Kavathekar	15000	Technology to aid Agricultural Marketing
11		Prof Prasad Padalkar	30000	Image Caption Generation using Deep Learning
		Total	**310000**	

9.FACULTY PUBLICATIONS

Category	Status	Computer	Mechanical	E &TC	IT	BSH
International Conference	Submitted	1	4			
	Published/Accepted	13	2	19	5	
International Journal (Paid)	Submitted	0	0			
	Published	2	1	10	1	
International Journal	Submitted	0	1		1	
	Published	2	0	1		
National Journal	Submitted		1			
	Published		0			

ISTE APPROVED SHORT TERM TRAINING PROGRAMMES

Sr. No.	Topic	Organizing Dept.	No. of participants	Date
3	Open Source Technologies for Communication	EXTC	35	July 2018

10. STUDENT COUNCIL

STUDENTS COUNCIL

Sr. No	CATEGORY	NAMES
1	GENERAL SECRETARY	Amit Pandey –EXTC Salome D'Souza IT
2	TECHNICAL SECRETARY	Dhruvraj Gambhire- MECH Daelyn Oliveira IT
3	CULTURAL SECRETARY	Rohan Kamath MECH Rutuja Shelar EXTC
4	SPORTS SECRETARY	Eltin Gras EXTC Jesica Martis EXTC
5	TREASURER	Rohan Gangar MECH Abhiksha Bhandary COMPS
6	ALUMNI CO-ORDINATOR	Vivek Vishwanathan EXTC Alisha Braganza COMPS
7	MARKETING SECRETARY	Vedant Vyavahare EXTC Rutuja Deorey IT

11. STUDENT ACHIEVEMENTS

Mrinali Parida – EXTC
Secured 10 points in sem-6 and sem-7

Team Xanthium Racing:
Winner of preliminary design round
Overall 4th position in Quadtorc.

SMART INDIA HACKATHON

Smart India Hackathon 2019 | Most Inspirational Award
Team: THE_IMMUTABLES

Robotics Club & School of Automation
ABU-ROBOCON 2018 & 2019
Department of Electronics & Telecommunication

DBIT team reached the 2nd round of ROBOCON
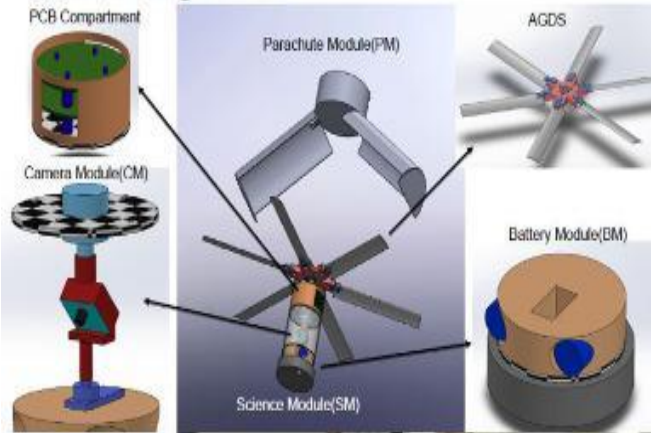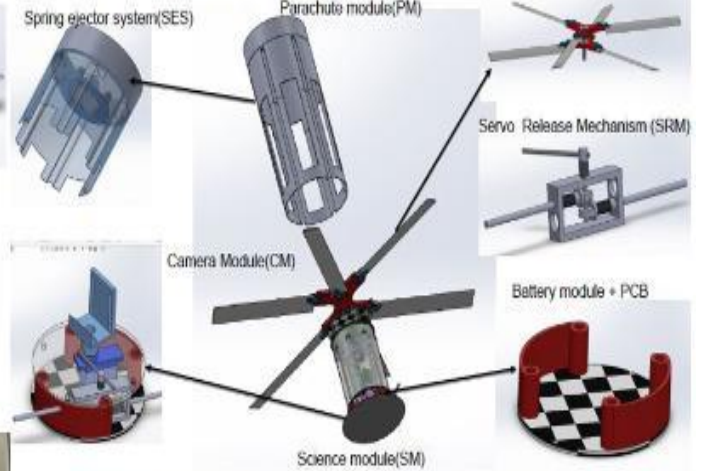
First time participation in CANsat- Satellite building competition

SPORTS ACHIEVEMENTS

Sr. No.	Date	Event	Organized Under	Position	Participants
1	October 2018	Football	**Mumbai University Inter Collegiate Football Tournament**	One game before Round of 16	Official DBIT Football Mens Team
2	October 2018	Basketball	**Mumbai University Inter Collegiate Basketball Tournament**	Top 8 in MU	Official DBIT Basketball Mens Team
3	6 September 2018	Basketball	**Kalaiedoscope- Sophia College Festival**	FIRST	Jashn Kotwal & Team
4	28 October 2018	Basketball	**IISM-Colaba Sports Festival**	THIRD	Jashn Kotwal & Team
5	January 2019	Athletics 4X100 m Relay	**SPOORTHI 2019, SPIT, Andheri**	SECOND	Joy Nadar-MECH, Elton Gras-EXTC, Denver Dsouza-COMP, Abin Anthony-EXTC

6	January 2019	Athletics Shot Put	**SPOORTHI 2019, SPIT, Andheri**	GOLD FIRST	Elana Alphonso-COMP	**EXT**
7	January 2019	Athletics Shot Put	**SKREAM 2019, KJ Somaiya, Vidyavihar**	THIRD	Elana Alphonso-COMP	
8	March 2019	Athletics 4x100 Relay	**Sportsaga 2019, ICT, Matunga**	THIRD	Nabeel Sayyad-MECH, Shawn DSouza-MECH, Abin Anthony-EXTC, Denver Dsouza-COMP	
9	March 2019	Athletics Shot Put	**Sportsaga 2019, ICT, Matunga**	THIRD	ELANA ALPHONSO-COMP	
10	March 2019	Athletics 400 m	**Sportsaga 2019, ICT, Matunga**	SECOND	ELANA ALPHONSO-COMP	

12. STUDENT WORKSHOPS

Sr. No	Type of Training	Class	No. Of students	No. Of hrs
1	Web development workshop	FE	14	16
2	Robosoccer	FE	24	20
3	3D printing	FE	17	30
4	Automobile workshop	FE	30	30
5	Workshop on CODER'S STRIKE-SCRATCH	SE & TE EXTC	17	15
6	Workshop on CODER'S STRIKE:Blender – Professional, Free and Open Source 3D Computer Graphics	SE & TE EXTC	24	4
7	Workshop on CODER'S STRIKE – Augmented Reality-An interactive experience of real world environment	SE, TE, BE EXTC	24	4
8	Session on LORAWAN-TECHNOLOGY, SOLUTIONS AND ECOSYSTEM	TE &BE EXTC	64	4
9	Workshop on WEBSITE DEVELOPMENT USING WORDPRESS	Interested Students	42	15
10	Session on Destination Moon: Building of a Moonshot.	Interested Students	132	4
11	Hands on Workshop on FPGA Based Digital System Design Using Xilinx Software	Interested Students	20	30
12	4-Days National Level Workshop cum Championship on Artificial Intelligence using Deep Learning	Interested Students	42	30
13	Workshop on Arduino and Python	Interested Students	34	4
14	Workshop on Internet of Things using Node MCU ESP8266 WiFi Module	Interested Students	34	
15	ROBOWARS :SUMO WRESTLE WORKSHOP: An IOT-ROBOT building workshop and competition.	Interested Students	75	15

16	Workshop on Wireless system design	Interested Students	30	4
17	Circuit Simulation and PCB Designing	Interested Students	19	8
18	MongoDB	TE COMPS	15	4
19	Photoshop	SE,TE,BE COMPS	40	4
20	Resume Making	Interested students	54	4
21	Unity	SE, TE, BE COMPS	43	4
22	Web Development	SE COMPS	45	4
23	Refractus	ACM Members	65	12
24	Machine Learning Applications for Spatio Temporal Data Analytics	STTP	27	35
25	Bewebber	Interested Students	11	4
26	Linux and PC Assembly Workshop	Interested Students	10	4
27	Git Workshop	Interested Students	38	4
28	Game Development Workshop	Interested Students	54	15
29	Flask Workshop	Interested Students	23	15
30	Joomla Training	Interested Students	5	4
31	3D printing	BE MECH	32	30

Peer Pressure and Addiction 29th July 2019 SE Comp Sc.
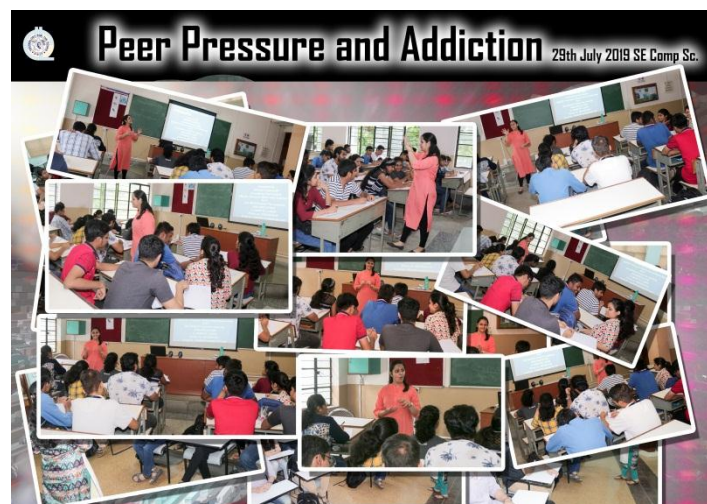
HYSTERIA

Sports

COLOSSEUM 2019 HELD ON 27/2 AND 28/2/2019

S.N.	Event Name	N. of participants
	E-Cell Event	
1	Brand Challenge 76	95
	Rule the mind	75
	Talks	
3	Mobility and Vehicle Design	52
4	IOT smart Cities	132
5	LIGO	60
6	High on Films	184
7	Convergence	54
8	Sports Technology	115
9	Data Science	125
10	Chanakyaniti	82
11	Github Workshop	35
	Workshop & Competition	
12	Battle Code	52
13	3D Modelling	08
14	Swat the Bug (C)	45
15	Robowar Sumo Wrestlers	74
16	Game Development	54
17	Coding Premier League (C)	24
18	Sound Design Workshop	23
		1289

COLOSSEUM 2K19
INAUGURATION CEREMONY

COLOSSEUM 2K19
LEGO IDEATION WORKSHOP

COLOSSEUM 2K19
TALK SERIES- DATA SCIENCE
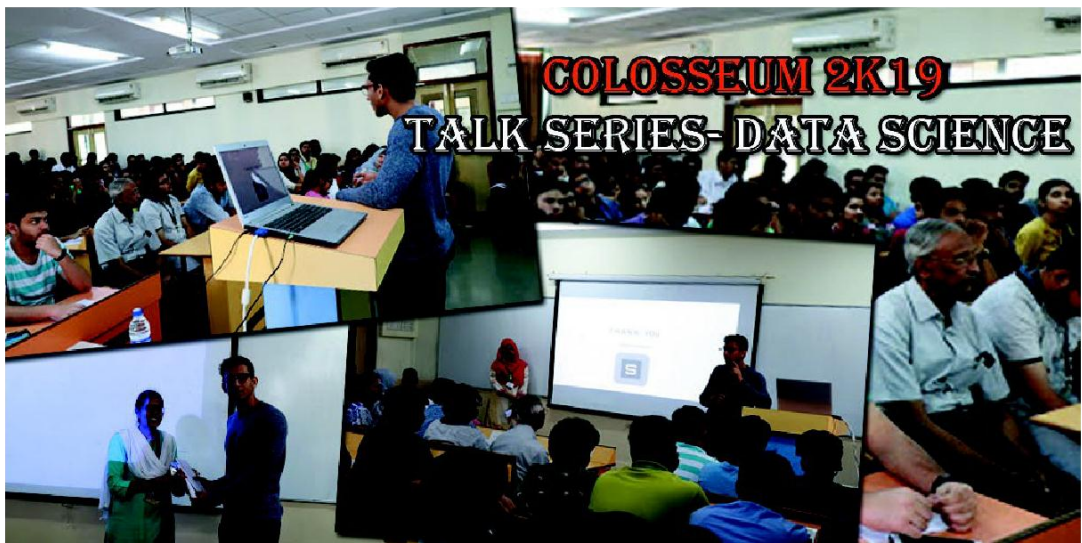
14. STUDENT CHAPTER ACTIVITIES

IEEE-IETE

IEEE-DBIT SB Office Bearers 2018

Branch Counsellor	Ms. Gejo George
Chairperson	Mr. Amey More
Vice chairperson	Mr. Akash Rao
WIE Chairperson	Ms. Sanjana Patil
Secretary	Ms. Aishwarya Arun
Treasurer	Ms.Rachita Nair
Event Management Head	Mr. Arnold Sequiera
	Ms. Manisha Gupta
Web, Graphics & Photography Head	Ms. Bhoomi Patel
Publicity Head	Mr. Vedant Vyawahare
Reporting Head	Ms. Shraddha Naik

IEEE-DBIT SB Events Details

Sr. No.	Event Title	Type	Resource Person	Number of Days	Date of Activity	No. of Participants
1	Hands-on Workshop on Scratch - Visual Programming Language	Workshop	Mr. Arnold Sequeira (TE EXTC) Ms. Sanjana Patil (BE EXTC) Mr. Amey More (BE EXTC)	1	July 21, 2018,	17
2	Hands-on Workshop on Blender – Professional, Free and Open Source 3D Computer Graphics	Workshop	Mr. Amey More (BE EXTC) Mr. Vedant Vyavahare (TE EXTC)	1	July 28, 2018	24
3	Session on LoRaWAN-Technology, Solutions and Ecosystem	Seminar	Mr. Abhay Phansikar (Chairperson - IEEE Bombay Section)	1	July 30, 2018	64
4	Hands-on Workshop on Augmented Reality-An Interactive Experience of Real World Environment	Workshop	Mr. Amey More (BE EXTC)	1	August 04, 2018	24
5	Session cum Demo on Destination Moon: Building of A Moonshot	Seminar	Mr. Prithvi Gautham, Mr. John .K. John and Mr. Hari Prasad Gokul	1	September 15, 2018	70
6	Hands on Workshop on WordPress	Workshop	Ms. Neha Patil, CEO of Whole New Level	2	September 7 and 8, 2018	41
7	Industrial Visit to SAMEER, Kharghar	Industrial Visit	Experts from SAMEER	1	September 28, 2018	70
8	Hands-on Workshop on Wireless System Designing	Workshop	Mr. Akhil Pathak and Mr. Eric Sequeira - Acevin Solutions Pvt. LTD	3	January 18-20, 2019	30
9	Colosseum Event – Workshop cum Competition on 'Sumo Wrestling'	Workshop	IEEE & IETE Core Members	3	3, 24, 28th February 2019	75

Sr. No.	Event Title	Type	Resource Person	Number of Days	Date of Activity	No. of Participants
10	Hands-on Workshop on Field Programmable Gate Array (FPGA)	Workshop	Ms. Lakshmi.V – Assistant Professor, EXTC Dept., DBIT Dr. S. S. Mande – Professor, EXTC Dept., DBIT	4	23, 24, 27, 28th February 2019	20
11	Seminar and Workshop on Low Cost Incinerator Techniques	Workshop	Mrs. Rashmi Joshi Mr. Lakshman Singh. Mr. Johnson Varghese – Assistant Professor, Mechanical Dept., DBIT	3	12th , 30th and 31st March, 2019	60
12	Poster Presentation	Technical Paper Presentation Competition	-	1	9th April, 2019	22 groups
13	Arduino Workshop	Workshop	IEEE Core Committee Members	4	23rd, 24th March & 6th, 7th April 2019	20
14	Industrial Visit to Satellite Earth Station, Yeur, Thane	Industrial Visit	Ms. Revathi, DE Satellite, WTR Yeur	1	April 8, 2019	76

CSI (COMPUTER SOCIETY OF INDIA)

Core Team

Student Branch Counsellor	Prof. Sushree Satapathy
Chairperson	Chaitanya Krishna Dukkipaty
Technical Head	1. Calden Rodrigues 2. Sarah Solkar
Publicity Head	1. JohnAnand Abraham 2. Reshma Ghungurudkar
Creative Head	1. Mithilesh Chaudhri 2. Shree Chaitanya Damle 3. Deepika Naik

Activities

Sr no.	Event Name	Type of Event	Conducted by	Footfall	Date
1.	Codechef Walkthrough	Talk	Pratik N, Kyle L, Calden R, Chaitanyakrishna D	17	21/08/2018
2.	Mentorship	Course	Technical Team	70	August-Sept 2018
3.	Photoshop Battles	Competition	Creative Team	14	2/09/2018
4.	Bewebber	Workshop	Sarah Solkar & Leeaa Nair	11	8-09-2018
5.	Ethical Hacking Meetup	Talk	Shadrak Gurupnor	20	10/09/2018
6.	Linux and PC Assembly Workshop	Workshop	Calden Rodrigues & Sarah Solkar	10	19/01/2019
7.	Git Workshop	workshop	Manu Dwivedi	38	21/02/2019
8.	Game Development Workshop	Workshop	Ajay Sharma	54	22/02/2019 23/02/2019
9.	Flask Workshop	Workshop	Shivam Mishra	23	8/03/2019 9/03/2019

GAME OF CODES

CSI-DBIT student chapter successfully conducted its annual inter-college online coding competition "**Game of Codes**" on **6th October 2018 (Saturday)**. It was conducted under the banner of **CSI TechNext India 2019**. The technical partner for this event was **Hackerearth.** Hackerearth provides a platform for organizations with their innovation management and technicakl recruitment needs by hosting coding competitions, hackathon and programming challenges. The top 3 teams of the final round will be awarded a cash prize of **Rs.7000, Rs.5000 and Rs.3000**. Students participated in three rounds of increasing difficulty in teams of two. Each round was of 1hour duration. Round 1 consisted of 5 questions, Round 2 consisted of 4 questions and the final round consisted of 2 questions. There were **360** participants in **220** teams registered from across **35** colleges. The registered teams were majorly from Mumbai region with a few from outside Mumbai.

The **participation details** of teams is as follows.

Round	Total	DBIT Qualifiers	Non-DBIT Qualifiers
1	234 (153 Teams)	74	160
2	82 (50 Teams)	35	47
3	19 (10 Teams)	7	12

There were **4 teams from DBIT** qualifying for the final round.

1. Pratik Nerurkar – TEIT
2. Chaitanyakrishna Dukkipaty – TEIT
3. Kyle lobo – TEIT
4. Roshan James – TEIT
5. Sanket Deshmukh – SEIT
6. Wayne Fernandes – SECOMPS
7. Arjun Chauhan – SECOMPS

 WINNERS
FIRST PRIZE: Abdullah Aslam, Vivek Chauhan (SLRTCE/VJTI)

SECOND PRIZE: Pratik Nerurkar, Chaitanyakrishna Dukkipaty (TEIT - DBIT)

ACM REPORT

ACM CORE TEAM and OFFICE BEARERS
2018-2019

Sr. No.	Name	Position
1	Sana Shaikh	Faculty Coordinator
2	Dion George	Chairperson
3	Glady Thomas	Vice Chairperson
4	Sean D'Cruz	Vice Chairperson
5	Aarish Iyer	Advisor
6	Jaffery Joy	Technical Head
7	David Varghese	Assistant Technical Head
8	Laxmi Naidu	Joint Admin Head
9	Gaurav Singh	Joint Admin Head
10	Janhavi Patil	Treasurer
11	Joyce Menezes	Publicity Head
12	Sherin Palamattam	Design Head
13	Clifford Fernandes	Design Head
14	Matthew Jose	Event Head
15	Desmond Lobo	Assistant Event Head
16	Hansel Presley	Secretary
17	Priyanka Puranik	Secretary
18	Anto Christopher	Web Master
19	Dion George	Spark
20	Afi Adhikari	DUCS Supervisor
21	Raj Tiwari	DUCS Supervisor
22	Srijan Ramavat	Spark Development

ACM TEAM

ACM ACTIVITIES

No	Event	Resource person	Participants	Dates
1	Code it out	ACM	19	26/07/2018
2	MongoDB	Mr. Jaffry Joy and Ms. Glady Thomas	15	07-09-2018
3	Photoshop	ACM Design Team	40	24/08/2018
4	Resume Making	Mr. Cherag Bachhawat	4	20/08/2018
5	Unity	Mr. Srijan Ramavat	43	25/09/2018
6	Web Development	Mr. Raj Tiwary and Ms. Janhavi Patil	45	07-09-2018
7	Refractus	ACM Members	65	20-22/01/2019

TEKNACK 2018-19

Teknack is an annual inter-college festival organized by the Association of Computer Machinery (ACM) Student Chapter of Don Bosco Institute of Technology, Kurla. The event encourages undergraduate students to tap into their technical and creative genius by providing them with a common platform to exhibit their talents in a competitive environment. The entire event was ingeniously managed, programmed and publicised by the students of ACM-DBIT.

Don Bosco Institute of Technology (DBIT), Kurla launched its annual technical fest 'Teknack' by publishing all the games on Play Store.

Teknack '19 was a tremendous success on many levels. We got participation from over 500+ downloads for three games. Teknack provided a platform for the up and coming programmers and designers from DBIT and BITS to put their best hand forward. We spent hours trying to formulate new and innovative ideas so that the users got a new adventure altogether.

Prof. Sana Shaikh
(ACM Faculty Sponsor)

Prof. Amiya Kumar Tripathy
(Mentor)

Mr. Aarish Iyer
Host

Mr. Dion George
About the Journey of Teknack

INDIAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS

ISHRAE

DESIGNATION	NAME
President	Mitesh Joshi
President-Elect	Vishakha Dikshit
Secretary	Rushabh Kakodkar
Joint Secretary	Nigel Fernandes
Treasurer	Kaustubh Morye
PR+ Tech Head	Manhar Gupta
CWC	Reuben Miranda
CWC	Faraaz Shaikh
CWC	Prabhat Gouda
CWC	Gunesh Joshi
CWC	Bhagyesh Choudhari
SCM	Sheena Fernandes
SCM	Utkarsh Tripathi
SCM	Ajay Maurya
FACULTY IN-CHARGE	Cleta Pereira

Student Chapter Office bearers with ISHRAE Thane Chapter Officials

Tech Talk On Building Management Systems Being Conducted In DBIT During Installation Ceremony Of DBIT ISHRAE CWC.

ISHRAE ACTIVITIES

No	ACTIVITY	LOCATION	No. OF STUDENTS
1	Industrial Visit to Swegon BlueBox Pvt. Ltd.	Kopar Khairne	37 from TE Mech
2	Mitsubishi Electric India Pvt. Ltd.	Mumbai	40 Students
3	ZECO Aircon Ltd	Mumbai	12 students
4	V-Oak Engineering	Asangaon	12 students
	Bluestar Ltd	Thane	10 students
	Royal Aircon	Thane	10 students
	Airpro Engineers	Thane	10 students

DBIT student volunteers at ACREX India 2019

15. NSS AND OUTREACH

LIST OF ACTIVITIES

NO.	ACTIVITY	DATE	COMMENTS
1	Workshop on Green Campus	16 July	Green campus initiative of DBIT
2	Football is Life- for Govandi Slum children	3 months	10 volunteers taught English speaking and Football
3	Workshop on Disaster Management and Preparedness	5 August	
4	Teaching Maths, Science and English to Mumbai Utkal School students of class 5,6,7	3 August-15 October	
5	Voters awareness rally	25 August	75 NSS volunteers participated and spread awareness in Kurla
6	Blood donation camp	25 September	422 units of blood was collected
7	Versova beach cleaning activity	29 September	15 students participated
8	Diwali Mela for HIV affected children	3 November	Annual acitivity of DBCL campus
9	Menstrual hygiene awareness for tribals of Jawhar	23rd October	Part of IEEE SIGHT project
10	Career guidance for students of 8th and 9th standard of Utkal school	7 February	110 students of the school benefitted
11	Sports coaching for students of Utkal school	4 Feb-15 March	Students of class6,7,8 were taught football, basketball and cricket in DBIT grounds
12	Health check-up camp for students of DBCL campus	18 February	General check-up, dental and eye check-up for 212 students
13	Jawhar college home-stay with NSS volunteers	27& 28 February	36 students from Jawhar participated
14	Warli painting workshop as part of COLOSSEUM	27 February	37 participants

NSS CAMP 2-8 JANUARY 2019

LOCATION: BSVS, Walvanda, Jawhar Taluka

THEME OF THE CAMP: Digital India, Skilling India and Clean India:Technology for social change

Interaction with villagers

NSS AND IEEE SIGHT

MENSTRUAL HYGIENE AWARENESS THROUGH SURVEYS AND STREET-PLAY IN VILLAGES OF JAWHAR

16. INNOVEX-ANNUAL PROJECT EXHIBITION
4-5 APRIL 2019

DEPARTMENT	PROJECT CATEGORIES	NUMBER OF PROJECTS	WINNERS
COMPUTER ENGINEERING	Emerging Technologies	8	FIRST
	Product Development	9	Princely D'Souza
	Research	5	Amey Gorde Gipson Nadar
	Sustainability and Social outreach	6	SECOND
			Aarish Iyer Haramrit Singh Khurana Ivan Maria
			THIRD Chaitanya Pradhan Sonali Vaidya
	TOTAL	28	
INFORMATION TECHNOLOGY	Artificial intelligence	6	FIRST Christine Polly
	Human Machine Interaction	3	Yash Agarwal Sanika Bhat Saloni Juwatkar
	Geographical Info Systems	2	SECOND Atashi Khatva
	Internet of Things	1	Premlata Pawar Madhulika Tadas
	Research	2	Jenifer Rodrigues
	Sustainability	5	THIRD Abhishek Nair Aishwarya Patil Aishwarya Sasane
	TOTAL	**19**	
EECTRONICS AND TELECOMMUNICATION	Research	9	FIRST Rochelle Dsa
	Emerging Technologies	2	Kelvin Lewis Jovita Pereira
	Product Development	8	Vicky Thomas
	Sustainability	1	SECOND Shruti Mehata Leo Tharail Royden Cruz

				THIRD Omkar Mane Kausthubh Manglurkar Aditya Salian Shubham Shende
	TOTAL	**20**		
MECHANICAL	Community	8		FIRST Rohan Gangar Karan Zope Aaron Fernandes Clinton Fernando Sairaj Gawkar SECOND-1 Myron D'silva Ganesh Gupta Chinmay Jadhav Paulson Philip SECOND-2 Parth Keswani Faraaz Ahmed Isha Keskar THIRD-1 Ambesh Singh Shantanu Tekade Shraddha Khandare Kaustubh More THIRD-2 Emmanuel Joseph Arnold D'Souza Kinnaird Fernandes Daniel D'Souza
	Sustainability	6		
	Product Development	12		
	Reseearch	8		
	Lab Development	5		
	TOTAL	**39**		

INNOVEX 2019

FACULTY DEVELOPMENT PROGRAMME

Sr.No.	Topic	Date
1	Talk of Polymer membranetechnology for water purification	June 13, 2018
2	SEAD JOURNEY	June 14, 2018
3	SEAD JOURNEY	July 4 - 27,2018
4	SEAD JOURNEY	July 28, 2018
5	SEAD JOURNEY	September 28,2018
6	INNOVATION NEXT	September 30, 2018
7	NAAC and Performance Appraisal Methodology	September 8, 2018
8	SEAD JOURNEY	October 13, 2018
9	SEAD JOURNEY	January 5, 2019
10	Faculty Development Program on Importance on NAAC	January 7 -12, 2019
11	Research Methodology	February 9, 2019

THE SEAD (STRATEGY TO EXCEL, ACHIEVE AND DELIVER) JOURNEY

The institute embarked on an ambitious journey to position itself as one of the top engineering colleges in the country by 2020.

The faculty of the institute undertook this journey under the able stewardship of **Mr. Leslie D'Souza and Ms. Pearl D'Souza of Pre-Pearl Training Development**. Through numerous sessions on team building, identifying strengths, weaknesses and challenges, attitude building and so on the departments evolved a strategy to build on their strengths and maximise their resources to achieve excellence.

The departments were mentored by experienced and committed Mentors. The mentors were:

Mechanical Department	Dr.S.Krishnamoorthy
Basic Sciences and Humanities	Mr. Alex
Computer Engineering	Mr. Thomas Lobo
Information Technology	Mr. Asad Qadri
EXTC	Mr. Abhay Phansikar

18. ACADEMIC ADVISORY COMMITTEE

DEPARTMENT	NAME OF ADVISORY BOARD MEMBER AND AFFILIATION
MECHANICAL	1. Dr. R. Balasubramanian, Head, Precision Machining Section,BARC 2. Dr.K.S.Murthy,Director, Coolflo Engineers Pvt. Ltd 3. Dr. Neeraj Agarwal, Associate Professor, BATU, Lonere
EXTC	1. Dr. Nitin Kale,Chief Technology Officer, Nanosniff Technologies Pvt. Ltd 2. Dr. N.R.Gilke, Vice Principal, K.J.Somaiya College of Engineering 3. Mr. Marwin Coutinho, Product specialist-VNA and Test 4. Systems,Rohde and Schwarz India Pvt. Ltd. 5. Mr. Abhay Phansikar, Director, Azilen Technologies
COMPUTER ENGG.	1. Dr. Surya Durbha, Professor, IIT, Bombay 2. Mr. Atul Gandre, Global Technology Head IBM 3. Mr. SujeetKumar Sinha, Sr. Technical Analyst,Colgate Global Business ServicesPvt. Ltd. 4. Dr. Supratim Biswas, Professor Emeritus, IIT Bombay 5. Mr. Thomas Lobo, Founder and CEO, Roots2Wings Training Solutions
INFORMATION TECHNOLOGY	1. Mr. Chetan Modi- AVP, Credit Suisse Pvt. Banking and Wealth Management 2. Mr. Asad Qadri, CEO, Collaboratory Consultancy 3. Prof. Supratim Biswas, Professor Emeritus, IIT Bombay

ACADEMIC ADVISORY BOARD MEETINGS

19. MEMORANDUM OF UNDERSTANDING (2018-19)

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 2018-19 are as follows:

Sr. No	Name of the Organization	Type of Collaboration	Significant Impact
1	Indian Institute of Chemical Technology, Hyderabad	Setting up of water testing lab and product development	Training of faculty and students at IICT , Hyderabad. Patents and product development
2	Lunghwa University, Taiwan	Faculty and student exchange, Internships, Faculty Phd	Student exchange and visits, joint patent filing
3	Fu-Jen Catholic University	Faculty and student exchange, Internships, Faculty Phd	
4	QDNet Technologies Pvt. Lts., Mumbai (EXTC)	Joint research, faculty and student internships	Projects and internships undertaken
5	Radiojitter Concepts Lab LLP, Bangalore (EXTC)	Research , Hardware and software support for projects	Projects undertaken, Consultancy

20. ALUMNI EVENTS

SYNCHRONY 2019- DBIT ALUMNI MEET

Synchrony, the annual Alumni meet of DBIT was held on 18th May, 2019 organised by the Alumni committee of Don Bosco Institute of Technology. This meet was held with the objective of reconnecting with recently passed out alumni to provide them some guidance in career planning and progression.

The Synchrony meet began at 3 pm in the seminar hall of the institute. The meet began with an ice breaker session conducted by Mr. Royal Dsouza. This was followed by a panel discussion on the topic "Career Progression for Young Professionals". The panelist for this event were Mr. Harmik Singh who is the Chief Operating Officer and Director of Business Operations at Zaya Learning labs, Ms Mrunali Majumdar Sathe, Client partner at CPG Practice and Ms Prachi Borkar, Senior HR Manager- Selec Controls Pvt Ltd. Our moderator for the day was Mr S. Asad Qadri, Co Founder & CEO- Collaboratory Consulting.

It was a very enriching session wherein all the experts shared their mantra on how to plan for career growth and achieve it through their own examples and experiences. Highlights of the discussion were on topics like stability vs growth, validity of online certification course to upgrade oneself, avoiding getting into a comfort zone, planning a sabbatical, financial planning etc. It was a perfect platform for our young alumni graduates to discuss and raise queries related to their career and future.

The panel discussion was followed by an address by Fr. Cyril De Souza, the campus minister, DBCL and also the house delegate for the Don Bosco Past Pupil Association.The event was followed by high tea.

This event was organized by the alumni committee led by Ms. Ditty Varghese and committee members Ms. Gejo George, Ms. Lakshmi V, Ms. Jenifer A, Mr. Tayyab Ali, Ms. Jeffi Thomas, Ms. Shainila M, Mr. Johnson Varghese and Ms. Babita D under the guidance of Principal Dr. Prasanna Nambiar & Dean Administration Mr. Imran Ali Mirza.

ALUMNI KONNECT

Department of Basic Sciences and Humanities organized a one day event 'Alumni Konnect 2019' an interaction of the alumni members with the first year students on 15 February 2019.The event provided a platform for the first year students to understand about engineering life, higher studies and various job prospects as an engineering graduate.

The event included a panel discussion amongst three alumni members: Mr. Sebin Sebastian (Software Engineer, Insurance Domain at Larsen & Toubro Infotech Ltd.), Mr. Goradia Vaibhav Rajesh (Co-Founder & CEO of 3D Printing & 3D Rendering firm VISER8) and Mr. Marwin Coutinho (Product Specialist at VNA & Test Systems, Rohde and Schwarz India). The Panel discussion was moderated by Mr. Prasad Padalkar (Head - IT department, DBIT).

Few of the key highlights of the discussion are:
1) Relevance of doing an internship
2) Various Certification courses
3) Importance of understanding and not rote learning a given concept
4) Importance of Communication Skills
5) Significance of B.E projects.
6) Importance of Extra-Curricular activities.
7) Importance of researching about the subjects and the universities before going for higher studies.
8) Importance of being a passionate engineer

The session ended with a question answer round wherein the first year students got to interact with the alumni members. As said by a student, this session was indeed a motivating, memorable and refreshing session for the first year students.

21. OTHER EVENTS

INTERNATIONAL YOGA DAY- 21 JUNE

FACULTY HEALTH CHECK-UP

WOMEN'S DEVELOPMENT CELL EVENTS

INDEPENDENCE DAY CELEBRATIONS

F.E. ORIENTATION PROGRAMME

(10-17 August)

TEACHERS DAY CELEBRATIONS

MARATHI CLUB EVENT

DEPARTMENTAL DAY CELEBRATIONS

Farewell 2019 30th May 2019.