

DON BOSCO INSTITUTE OF TECHNOLOGY

Engineering College



Annual Report 2019 – 20



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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



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



*S. C. Sharma
Director*

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

1. STUDENT DATA

CLASS	EXTC		COMP		IT		MECH		TOTAL	
	M	F	M	F	M	F	M	F	M	F
FE	0	0	0	0	0	0	0	0	0	0
SE	57	11	43	28	51	22	123	12	274	73
TE	58	18	52	26	52	30	138	18	300	92
BE	53	20	52	20	51	29	135	14	291	83
TOTAL	168	49	147	74	154	81	396	44	865	248

**STAFF DETAILS
TEACHING STAFF**

BRANCH	BSH	EXTC	COMP	IT	MECH	TOTAL
Number of Faculty (Department wise)	09	14	13	12	24	72
Full Time	09	14	13	12	24	72
Approved	6	11	10	10	18	55
Male	3	04	03	05	19	34
Female	6	10	10	07	05	38
PG	7	11	11	12	19	60
Ph.D.	2	03	02	0	05	12
Assistant Professor	11	12	12	12	21	64
Associate Professor	0	01	01	0	0	02
Professor	0	01	01	0	03	05

NON-TEACHING STAFF

SR. NO.	Department	Permanent	Temp/Adhoc	Total
1	Mechanical/workshop	10	0	10
2	EXTC	4	1	5
3	FE	1	1	2
4	Server	9	0	9

6. PLACEMENT STATISTICS

DEPT	2019-20			2020-21		
	TOT	EL	PL	TOT	EL	PL
EXTC	81	34	22	87	32	11
COMP	72	48	46	81	58	39
IT	82	46	43	82	59	30
MECH	146	81	23	156	79	12
TOTAL	381	209	134	406	228	92

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		
		2018	2019	2020
1	2 lacs- 3 lacs	5	0	0
2	3 lacs- 5 lacs	154	150	84
3	5 lacs – 10 lacs	15	30	73
4	10 lacs and above	0	2	5

2. ADMISSIONS 2019-20

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	0	0	0	0
Actual Admitted	0	0	0	0
Vacancies	0	0	0	0
Highest CET	NA	NA	NA	NA
Lowest CET	NA	NA	NA	NA

ACADEMIC PERFORMANCE

	2019-20				2020-21			
YEAR	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 counseled. Parents are also informed and advised accordingly.

MRG	Name of PI	Department	Topic	Rs.
549	Sameer U Hadkar	BSH	Synthesis and Characterization of Nano particles	50000
640	Kartiki Anilkumar Bhave	BSH	Development and Study of Smart Polymer Composites	55000
854	Nakka Muralidhara Rao	Mechanical	Development of Thermal Device for heating of transmission system and passenger cabin utilising thermal energy of exhaust gases with passive mode	35000
860	Sheravi Sachin Satapa	Mechanical	Design and Development of Compact Dehumidification Unit for Seashore Sites	35000
871	Mahesh M Rajwade	Mechanical	Design and development of polymer based membrane manufacturing and testing machines.	55000
948	Kalpita Ajinkya Wagaskar	Computer	QUANTTA – Quantum Traveling Tournament using Artificial Intelligence	15000
949	Mayura Harshal Gavhane	Computer	Automatic Detection and Classification of Retinal Lesions in Diabetic Retinopathy using Deep Learning	20000
956	Shainila Mulla	Computer	Counterfeit Drug Tracking using Blockchain	10000
1024	Sunantha Krishnan	Information Tech.	Traffic signal duration control using deep learning	20000
1031	Uday Nayak	Information Tech.	Cloth Pattern Recognition and Retrieval System	34000
1122	Jithin Saji ISaac	EXTC	LoRaWAN & BLE based Indoor & outdoor Tracking System for Asset Management	25000
1145	Satishkumar S Chavan	EXTC	Person Identification using face in low resolution CCTV and speech	25000
1152	Sudhakar Mande	EXTC	Optimisation of compact bandpass filter with notch in passband using DOE	35000
				414000

SANCTIONED MINOR RESEARCH GRANT FROM MUMBAI UNIVERSITY 2019-20

FACULTY PUBLICATIONS

Category	Status	Computer	Mechanical	EXTC	IT	BSH
International Conference	Submitted			06		Nil
	Published/ Accepted	27	04		03	Nil
International Journal (Paid)	Submitted					Nil
	Published	01				Nil
International Journal	Submitted			01		Nil
	Published		01		01	Nil
National Journal	Submitted					Nil
	Published		02			Nil

DBIT STUDENT COUNCIL 2020-21


1. General secretary

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2. Technical Secretary

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3. Cultural Secretary

	
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4. Sports Secretary

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5. Treasurer

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6. Marketing Secretary

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7. Alumni Coordinator

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STUDENTS COUNCIL

Sr. No	CATEGORY	NAMES
1	GENERAL SECRETARY	Mr. Wayne Fernandes BE Comp MS. Sheena Fernandes BE Mech
2	TECHNICAL SECRETARY	Taaha Kazi BE Comp Swati Kamath BE Mech
3	CULTURAL SECRETARY	Mr. Dhaval Thakur TE IT Ms. Riya M. TE Comp
4	SPORTS SECRETARY	Mr. Dylan Da Costa BE IT Ms. Tina Sayapogu BE Comp
5	TREASURER	Mr. Siddhartha Sahu TE IT Mr. Adonia Sequiera TE Comp
6	ALUMNI CO-ORDINATOR	Mr. Reuben Crasto BE Comp Ms. Chryselle Fernandes TE Comp
7	MARKETING SECRETARY	Mr. Haramal Lidder IT IT Ms. Diana Fernandes BE Mech

Student Chapter

Department	Name of the Students	Achievement Areas	Particulars
IT	Viraj Tandel (TE-IT) Saurabh Yadav (TEIT) Sanket Deshmukh (TE-IT) Afif Shaikh (TE-IT) Winston Sequeira (TE-IT) Priya Singh (TE-IT)	Smart India Hackathon (2020)	Smart India Hackathon is a national level product development hackathon organized by AICTE & MHRD. This year 10,000 + students across India were competing in the Finale round. From our college, 3 teams (6 students per team) got selected. The winning team is from the current BE IT Class and was working on the ' E-Tendering System ' for Tripura Institute of Technology.
Mech	1 student winner	Inter college quiz contest	At Ishare, Thane Chapter
	3 students qualified GATE, 1 student All India Rank 420	GATE	3 students from GATE Study Circle qualified the GATE Exam
	1 student winner, 1 student runner up 1 student 2 nd runner up	Student Chapter	PAINT YOUR HVAC&R PERSPECTIVE - ISHRAE DBIT STUDENT CHAPTER
	4 student-teams participated	Research Grant	STUDENT RESEARCH PROJECT GRANT(SRPG) Participation- ISHRAE
EXTC	Mr. Saurabh Chaubey Ms.Ashita Serrao Ms.Srishti Singh Mr. Bhushan Kolhe Mr. Harshal Rathod Mr. Cromwell Mendes	Contest at IIM,Banglore	Were the Quarterfinalists in AICTE,DST and Texas Instruments India Innovation Challenge Design Contest2019,anchored by IIM,Banglore
	Mr. Bhushan Kolhe Mr. Harshal Rathod Mr. Cromwell Mendes	Inter-college event	Secured second position in the event "Pirates of Paradigm" in KIRAN 2019held at Kishinhand chellaram college ,Mumbai on sep 18-19,2019

	Brayan Dialle Kevin D'souza Ryan Fernandes	Avishkar	In 14 th intercollegiate /Institute/Dept. Avishkar Research Convention 2020 organized by the university of Mumbai zthe research project 'Televoting system for rural Development using VSAT" Was selected for participation in District zone
Department	Name of the Students	Achievement Areas	Particulars
Computer	Grejo Joby	Semicode	Participated and selected for next round
	Manasi Anantpurkar	CSI Treasure Hunt Semicode	Second Participated and selected for next round
	Srushti Shetye	Hysteria-Cricket DBPL Hysteria-Mixed Relay Hysteria-Javelin Throw Hysteria-Throwball	First First Third Third Third
	Suman semalty	protous	Fourth
	Saloni Dhotre	Hysteria-Pot painting	First
	Reeya Gupta	Hysteria-Pot painting	First
	Riona Dsouza	Hysteria-Cricket Hysteria-Mixed Relay	First First
	Denzita Dsouza	Hysteria-Cricket	First
	Rahul Pudurkar	ACM Mumbai Hackathon Semicode Teknack 2020	1st Prize Participation Organizer
	Arjun Chavan	Game of Codes Intracollege Maths-Physics Quiz Intercollege Maths-Physics Quiz Make-a- thon (Entrepreneurship cell) Swat-the-Bug Decipher Smart India Hackathon CanSat 2020	2nd Prize 1st Prize 3rd Prize 1st Prize 1st Prize 1st Prize 1st Prize Till Grand Finale 40th Position
	Soham Shinde	ACM Mumbai Hackathon Asterotera Teknak 2020 ACM Hackathon Colosseum - decipher and code switch	1st Prize Most popular Game of Teknack 2020 Participation Event Coordinator

	Tina	Ruia Rotaract club football competition Football- Ruia Rotaract, KJ somaiyas Skream fest, SK somaiya Throwball-VJTI fest, VIT fest and Thakur college fest LITSOC and Make-a-thon ACM E cell	1st prize Participation Participation Participation Participation Participation Core Team Core Team
	Rizwan Shaikh	Mumbai Hackathon BSE Impact: Student Startup Hackathon 2019	1st prize
	Wayne Fernandes	Hysteria 2020 Colosseum 2020 ACM 2020 NSS	Participation Event Organizer Core Team, Treasurer Student Leader 2020

Student Achievements

7. FACULTY ACHIEVEMENT

DEPT.	NAME OF THE FACULTY MEMBER	ACHIEVEMENT AREAS	PARTICULARS
BSH	Nil	Nil	Nil
EXTC	Dr.Sudhakar Mande		Member of the Board of Studies (Electronics Engineering) at Sardar Patel Institute of Technology
	Mrs. Pratibha Dumane	Controller of Exam DBIT	handling responsibilities as the Controller of Examinations secured Elite + Silver award in the NPTEL Online Certification Course on “Patent Drafting for Beginners” She is amongst the top 5% of the 239 candidates certified in this course.
	Dr. Satish Chavan		handling responsibilities as Dean – Academics
	Dr.Sudhakar Mande	IQAC Coordinator.	handling responsibilities as the IQAC Coordinator
	Dr. Ashwini Kotrashetti	“Chair of Women in Microwaves (WIM)” in the 7 th edition of the IEEE Microwave Theory and Technique Society’s flagship conference in India,	International Microwave and RF Conference (IMaRC) 2019 held at IIT Bombay from December 13-15, 2019. She also was one of the five panellists for the discussions during the Women in Engineering sessions.
	Dr. Ashwini Kotrashetti	Serves as Jt. treasurer at IEEE Bombay Section & Secretary at IEEE Bombay Section MTT-S Chapter.	
	Ms. Freda Carvalho	Co-chair in a track for WIM in IMaRC 2019 and invited to present the IEEE HAC Events funded project at TENCON 2019, a premier international technical conference of Asia Pacific IEEE Region 10 on October 20, 2019.	
	Ms. Freda Carvalho		Secured Elite + Silver award in the NPTEL Online Certification Course on “Microwave Theory and Techniques”. She is amongst the top 5% of the 280 candidates certified in this course.

	Mrs. Namita Agarwal		Secured Elite + Gold award in the NPTEL Online Certification Course on “Accreditation and Outcome Based Learning”. She is amongst the top 2% of the 2250 candidates certified in this course.
EXTC	Mrs. Poonam Chakraborty		Secured Elite + Silver award in the NPTEL Online Certification Course on “Body Language: A Key to Professional Success”.
	Mrs. Gejo George		Secured Elite + Silver award in the NPTEL Online Certification Course on “Soft Skills”. She is amongst the top 5% of the 3736 candidates certified in this course
	Mr. Jithin Isaac		Secured Elite + Silver award in the NPTEL Online Certification Course on “Demystifying Networking”. And secured Elite award in the NPTEL Online Certification Course on “Python for Data Science”.
	Mr. Jithin Isaac, Ms. Freda Carvalho Ms. Komal Shinde		completed a course on ‘Tech Explorations™ KiCad Like a Pro 2nd Edition’ on Udemy, a 17 hour course for learning KiCad, an Open source PCB manufacturing software, in the month of December 2019.
	Ms. Freda Carvalho	Outreach activity	Talk :Girls of Mumbai Utkal English High school ,Kurla (W)
	Mrs. Pratibha Dumane	Outreach activity	Workshop: Employees of NGO Dharma Bharathi Mission
IT	Mr. Nilesh Ghavate Mr. Tayyabali Sayyad	Published 3 textbooks for IT subject under Maharashtra State Government	Co-Author of the book ' Information Technology ' for Std -XII (Science, Commerce and Arts), Maharashtra State published by Maharashtra State Bureau of Textbook Production and Curriculum Research, Pune in May 2020.
COMPS	Dr. AmiyaKumar Tripathy	Research	Won Dr. APJ Abdul Kalam National Award for Teaching & Research by IISER Bengaluru on 29 February 2020 and has completed PhD Supervision on Cross Domain Co-extraction of Semi Supervised Lexicons for Opinion Mining, from Pacific University.
		Research	Has adorned the following positions: 1. Session Chair at 3rd International Conference Communication Systems, Computing and IT Applications, (CSCITA 2020) 03-04 April 2020, Mumbai, India.

			<p>2. Session Chair at International Conference on Automation, Computing and Communication 2020 (ICACC-2020), 27th - 28th June 2020, at RAIT, Nerul, Navi Mumbai.</p> <p>3. Advisor to IC-RACT2020 International Conference, Amity University Mumbai, June 26-27, 2020, India</p>
COMPS		Sessions delivered	<p>1. Data Science for IoT International Webinar series, SAKEC, Mumbai</p> <p>2. Data Science and Analytics-an IoT perspective DBCOE, Goa</p> <p>3. Critical Thinking PCCOER, Pune</p> <p>4. Problem based learning to Project based learning PCCOER, Pune</p> <p>5. Faculty Orientation Program University of Mumbai for mini Projects Lokmany Tilak College of Engineering, Navi Mumbai</p> <p>6. Coalescing IoT & AI towards Data Science 3rd International Conference on Recent Trends in Image Processing & Pattern Recognition, Marathwada University, Maharashtra</p> <p>7. Python for Data Science and Scientific computing, Data Science and Machine Learning Vidyalankar School of Information Technology, Mumbai</p> <p>8. Remote Sensing & GIS in Agriculture and Natural Resource Management Pre-Conference Workshop on Pattern Analysis and Machine Intelligence on 2nd Jan 2020, Marathwada University Aurangabad, Maharashtra</p>
		FDP	Data Science and Machine Learning Vidyalankar School of Information Technology, Mumbai
	Ms. Shafaque Syed	Online Courses	Excel Skills for Business : Intermediate I Macquarie University offered through Coursera
	Ms. Kalpita Wagaskar	FDP	Modern educational tools and pedagogical practices for online teaching Vidyalankar Institute of Technology
		FDP	BOSS Linux Training Spoken Tutorial Project, IIT Bombay
		FDP	Innovation IPR and Entrepreneurship IIC from MHRD
		FDP	Python Django K J Somaiya Institute of Engineering and Information

		Technology, Sion, Mumbai
	Online Courses- Deep Learning Specialization	<ol style="list-style-type: none"> 1.Convolutional Neural Networks deeplearning.ai, offered through Coursera 2.Structuring Machine Learning Projects deeplearning.ai, offered through Coursera 3.Improving Deep Neural Networks:Hyperparameter tuning, 4.Regularization and Optimization 5.Neural Networks and Deep Learning 6.Sequence Models 7. Build Your Portfolio Website with HTML and CSS offered by Coursera
Ms. Mayura Gavhane	Online Courses	Python for everybody University of Michigan, offeredby Coursera
Ms. Priya Kaul	Online Courses	<ol style="list-style-type: none"> 1. Data Analytics for Lean Six Sigma University of Amsterdam, offeredby Coursera 2. The Data Scientist’s Toolbox University of Johns Hopkins,offered by Coursera 3. Excel Skills for Business : Intermediate IMacquarie University offered through Coursera
	FDP	Sequelstring Pvt. Ltd 6 months
Ms. Sejal Chopra	Online Courses	<ol style="list-style-type: none"> 1.Storytelling and influencing: Communicate with impact Macquarie University offered through Coursera 2. Excel Skills for Business : Intermediate IMacquarie University offered through Coursera
Ms. Sana Shaikh	Online Courses	<ol style="list-style-type: none"> 1. Introduction to Big Data UC San Diego, offered through Coursera 2. Excel Skills for Business : Intermediate IMacquarie University offered through Coursera
Ms. Ditty Varghese	Online Courses	<ol style="list-style-type: none"> 1. AWS Concepts Linux Academy, Udemy 2. Pyhton + Sql + Tableau: Integrating Python , Sql and Tableau 365 Careers,Udemy 3. Data Analytics for Lean Six Sigma University of Amsterdam, offered by coursea 4. Excel Skills for Business : Intermediate I Macquarie University offered through Coursera

		FDP	<ol style="list-style-type: none"> 1. DATA SCIENCE Fr. Conceicao Rodrigues College of Engineering, Mumbai 2. Programming in JAVA Thadomal Shahani Engineering College, Bandra, Mumbai
	Ms. Deepali Kayande	Online Courses	<ol style="list-style-type: none"> 1. AWS Concepts Linux Academy, Udemy 2. Introduction to Child Psychology Elmira Strange, Udemy 3. Excel Skills for Business : Intermediate I Macquarie University offered through Coursera 4. The Science of Well- Being Yale University, Offered through Coursera
		FDP	<ol style="list-style-type: none"> 1. Interactive-Impactful E-Learning Techniques K.C College of Engineering and Management Studies and Research, Thane 2. Data Science Fr. Conceicao Rodrigues College of Engineering, Mumbai 3. Disruptive Technologies of Industry 4. Fr. Conceicao Rodrigues College of Engineering, Mumbai
MECH	Mr, Sudhakar Ambhore	STTP on Advanced Machining	Advanced Machining
	Ms. Deepika Gupta	STTP on FEA by Dr J.N.Reddy	The Finite Element Method by Dr. J. N. Reddy Completed 5 day STTP on Advance Machining
		Entrepreneurship workshop	
		Completed 5 day STTP on Advance Machining	
		API Workshop	API using Autodesk Fusion 360 Software Workshop, Pillai College of Engineering, Panvel
	Mr. Shreeprasad	STTP on FEA by Dr J.N.Reddy	The Finite Element Method by Dr. J. N. Reddy
		API Workshop	API using Autodesk Fusion 360 Software Workshop, Pillai College of Engineering, Panvel
		Expert Lecture	3D Printing Technology
		Completed 5 day STTP on Advance Machining	Advanced Machining
		Certification Exam	Solidworks Certified Solidworks Associate (CSWA) - Mechanical Design
	AICTE & TEQIP III Sponsored One	Completed 5 day STTP on 3D Printing	

		Week Short Term Training (STTP) Programme	
MECH		Certification Exam	Solidworks Certified Solidworks Associate (CSWA) – Mechanical Design Completed 5 day STTP on 3D Printing
			Completed 5 day STTP on 3D Printing
		Certification Exam	Certified Solidworks Professional (CSWP)- Mechanical Design
	Mr, Hemant Hogade	AICTE & TEQIP III Sponsored One Week Short Term Training (STTP) Programme	3D Printing
		Certification Exam	Certified Solidworks Associate (CSWA) - Mechanical Design
		Certification Exam	Certified Solidworks Professional (CSWP) - Mechanical Design
	Ms. Clea P.	Completed 5 day STTP on Advance Machining	Advanced Machining
		Completed 5 day course	Refrigeration and Air-conditioning ISHRAE-AICTE Refresher course, BITS Pilani, Hyderabad Campus

**NSS AND OUTREACH
LIST OF ACTIVITIES**

Sr No.	Activity	Date	Comments
1	International Yoga Day 2019 at DBCL campus- "Healthy people; Healthy campus"	June 21st, 2019.	The Yoga sessions were conducted Ms. Pooja Gupta, a yoga and martial arts expert from the DBC BMM department
2	Rural Internship : 07 Day Internship Programme	24th June 2019 to 30th June 2019	Venue: Walwanda village and GES's Arts, commerce and science college, Jawhar.
3	Enrollment Drive	25th July to 20th August 2019	
4	Bamboo Rakhi project	13th of August 2019	These Rakhi was made by the women Seaf Help Group members of Vivek Rural Education trust, Saphale, Virar East
5	Workshop on Disaster Management preparedness for students and staff	24th August 2019,	workshop was attended by 110 students and 14 staff members from , DBC and support staff of DBCL campus
6	Health check -up camp	27th August, 2019.	153 staff members from DBCL participated.
7	Leadership Camp (Don Bosco Yuva Sanstha, Karjat)	29th of August to the 31st of August 2019.	Three Day camp with 38 participants
8	Road Safety and traffic control programme	03/09/2019, 06/09/2019, 08/09/2019, and 12/09/2019.	organized during the Ganapati Vacations
9	Muskan Group career guidance programme	28 and 29th March, 13 and 14th May 2019	organized by Sanmitra Trust and Unit of Don Bosco Institute of Technology (DBCL Campus), Kurla
10	Blood Donation Drive	25th September 2019	Approximately 330 donors donated the blood.
11	Menstrual Hygiene Awareness Program for the school children	26th September 2019.	A session on "Menstrual Hygiene" was conducted with the girls students of Mumbai Utkal English High School, Kurla (W)
12	Bhajan Sandhya at Gate way of India	02nd October 2019	
13	Beach Cleaning	02nd October 2019	Versova Beach
14	Diwali Mela 2019	2nd November 2019	Around 350 Children and parents attended the programme.

	Activity	Date	Comments
15	Jawhar college home-stay with NSS volunteers	27th December, 2019 to 2nd January, 2019	35 NSS students participated
16	Warli painting workshop	04th March 2020	28 participants
17	NSS webinar on COVID 19- Relief and Rehabilitation: How Engineering can Rise to the challenges posed	15 June, 2020	More than 200 participants
18	Webinar on Importance of Skill and Entrepreneurship Programs- Towards Better Livelihood	30 June 2020	512 participants

- **BLOOD DONATION DRIVE**

Unit of in collaboration with DBC organised the blood donation drive on 25th September 2019 Before the actual event many preparations were done by the volunteers including both and DBC.

- **Menstrual Hygiene Awareness Program for the school children**

A session on “Menstrual Hygiene” was conducted with the girls of Mumbai Utkal English High School, Kurla (W) on 26th of September 2019. The students of class VII, VIII & IX were addressed by Mrs. Freda Carvalho and students of D.B.I.T.

- **REPORT ON BEACH CLEANING ACTIVITY**

October 2,2019: The Beach Cleaning Activity was Organized by the Unit of Don Bosco Institute of Technology at Versova Beach on October 2,2019. The Event was hosted by Exim Bank. The Reporting Time for this Activity was 8:30 am.

The Students arrived on time wearing their t-shirts at Versova Beach. The Theme for this Activity was Gandhigiri as it was held on the auspicious occasion of Gandhi Jayanthi.

Diwali Mela 2019

On 2nd November 2019 unit of and DBC, SYM and YaR ministry of DBCL campus came together to celebrated Diwali with the HIV affected and effected children from the Sanmitra trust. A Diwali Mela program was organised where 32 volunteers of DBC and took part to make the event a great success under the guidance of Mr. Royal D'souza.

The special guest for the event were Dignitaries from EDGC, Inherwhile club Thane garden city, Mr. Dalvi (MCGM) Dr.Parvati (Principal of DBC) Prof Prabha Desai (Director of Sanmitra Trust), Ms. Vijaya Jagdale (Lions club Ghatkopar) and Prof Mahalaxmi ().

Skill training program for Adolescent girls (Sanitary Pad Making Training)

The Don Bosco Centre for Social Change (DBCSC) Outreach department, DBCL-Kurla is implementing short term skill training project from Mumbai Municipal Corporation (BMC) from the financial year 2013-14 onwards.

For the financial year 2019-20 we received the target of 785 women training. Out of them 55 school dropout adolescent girls and young women are attended one month Sanitary Napkin making skill training program in DBCL campus. After the skill training Outreach cell conducted one week special training on entrepreneurship so that these girls can start their own business.

Workshop Warli painting

Date of Event: 5th march
Time of Event: 9am to 11 am
Venue of Event: Drawing hall 1
Fees of Event: Rs. 50/-
Event Coordinator: Atharva Bondre
Student Chapter: NSS UNIT OF DBIT
Student Head: Agnel Salve and Sneha Satish

Number of Participants: 28

NSS CAMP SUMMARY

Dates- 27 December 2019 to 2nd January 2020

Venue: Walwanda Village, Jawhar, Palghar

Don Bosco Institute of Technology, Kurla had organized a 7 day camp for 35 NSS students from 27 December, 2019 to 2nd January, 2020 at the Walwanda village, Jawhar, Palghar district. The theme for the camp was 'Technology for social change'. Based on this theme, all of the seven days had activities that focused on particular objectives. The activities started from 6:00 am till 10:00 pm with meal breaks. The students stayed at the Bosco Samajik Vikas Sanstha Walwanda. Evaluation meetings were conducted on everyday basis to evaluate the progress of each day activities by the various groups and suggestions for improvement and discussions for the following day's activities. Apart from this, physical fitness exercises and Shramdaan was conducted every morning. Shramdaan or manual work included cleaning the campus, neighbouring fields, dormitories, etc. The exercises and shramdaan was followed by the other group activities and sessions.

Photos of Activities





MEMORANDUM OF UNDERSTANDING (2019-20) 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 2019-20 are as follows

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 2019-20 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
6	A.S. E. Analytics LLP (Mechanical)	Cooperation releasing to defining acceptability criteria ,standardization ,conformity and assessment legal metrology and development of liquid sampler	Projects undertaken
7.	E & G Education Pvt.Ltd.	To impart entrepreneurial capacity oriented knowledge through various courses	
8	Health Wheels Pvt.Ltd.	Internship projects with the students of Third year Computer Engineering	
9	Navayuak Entrepreneurs Pvt.Ltd.	Offering qualitative education on developing entrepreneurial drive, skills and strong determination for venturing in entrepreneurship	

STUDENT CHAPTER
Department of IT Engineering: CSI

July 2019 - June 2020 Student Chapter Activities/Webinar

Sr No	Event Title	Type	Resource person	Number of days	Date of activity	No of Participants
1	Mathematics for Artificial Intelligence	Webinar	Dr Revathy Sundarajan	1	June 25, 2020	450
2	Reliving the dream journey	Webinar	Mr Jatin Malhotra (Dr APJ Abdul Kalam Awardee, Program manager at reliance Jio)	1	5 th July 2020	338
3	Cyber Security and Ethical Hacking	Webinar	Mr Sachin Dedhia (Certified international trainer in Cyber security and digital forensics)	1	10 th July 2020	787
4	Data Analytics in Internet of Things (IOT)	Webinar	Dr Amiya Kumar Tripathy (Faculty, Computer Science Department, DBIT)	1	18 th July 2020	36

**Department of Mechanical Engineering
July 2019 - June 2020 Student Chapter Activities/Webinar**

Sr No	Event Title	Type	Resource person	No. of days	Date	No. of participants
1	Harnessing the Power of Body Language Webinar	Webinar	Dr. Poonam Ojha	1	7/1/2020	602
2	IPR and Innovation	Webinar	Dr A S Rao	1	7/2/2020	272
3	Approach to Industry 4.0	Webinar	Dr. Dinesh Thakur	1	8/7/2020	275

Webinars under Women in Ishrae:

Sr No	Event Title	Type	Resource person	No. of days	Date	No. of participants
4	Panel Discussion on Work Life Balance for Women Post COVID-19	Webinar	Mrs. Amrita Achrekar, Dr. Suman Nair, Ms. Geetanjali Pandit, Mrs. Manjusha Rajesh Deshpande	1	4/25/2020	85
5	Webinar on Cybersecurity	Webinar	Mr. Vishal Shah	1	6/5/2020	45
7	Digital Solutions for Smart Building and Smart Workplace A New Normal	Webinar	Mr. Ankit Gupta		7/4/2020	58
8	Electrical System Planning & Design - Good Practices	Webinar	Ms. Anjali Prabhu		7/29/2020	150
9	Efficient and Best Use of Household Refrigerators	Webinar	Mr. Viralkumar Sha		10/1/2020	40
10	Webinar on Energy Efficiency in HVAC Systems	Webinar	Dr. Sonal Desai		10/29/2020	30

Webinar under ISHRAE DBIT Student Chapter

Sr. No.	Event Title	Type	Resource person	No. of days	Date	No. of participants
11	Webinar on Duct Design Basics	Webinar	Mr. Vikram Murthy	1	23-05-2020	50
12	Webinar on Future of Jobs	Webinar	Mr. Vijay Sonawane	1	29-05-2020	50
13	Webinar on Air Distribution System	Webinar	Mr. V. Krishnan	1	1/6/2020	
14	Webinar on Air Distribution System	Webinar	Mr. V. Krishnan	1	1/6/2020	26
15	Webinar on How to Grow Your Career Post COVID 19	Webinar	Mr. Rajan Gaonkar	1	12/6/2020	45
16	Installation Ceremony followed by an Interactive Session on Myths around HVAC and Psychometric	webinar	Mr. Subodh Moghe	1	29-08-2020	70

QUIZ, CONTESTS ETC

Sr. No	Event Title	Type	Resource Person	No. of days	Date	No. of participants
17	Fun - Damic	Quiz	NA	1	13 th June 2020	33
	Intercollegiate Quiz under ISHRAE Thane Chapter	Intercollegiate Quiz	NA	1	----	140
18	National Student Design Competition, NSDC	Design Competition	NA	1	19 th Aug 2020	12
19	ISHRAE Student Research Project Grant	Project Grant	NA	1	14 th Aug 2020	
20	Paint your HVAC and R Perspective	Poster competition	NA	1	5 th Oct 2020	
21	Design and Analysis of BAJA All-Terrain Vehicles	ANSYS Webinar	SAE India	2	26 th -27 th Oct. 2020	30
22	Learning about Matlab and Simulink	Mathwork Webinar	SAE India	1	11 th April. 2020	30
23	Design and Simulation for mBAJA and eBAJA Vehicles	ALTAIR BAJA SAEINDIA Webinar	SAE India	1	06-10th November 2020	30

Department OF Computer Science: ACM Student Chapter Activities

Sr No	Event Title	Type	Resource Person	Days	Date
1	Andriod Development Certifi-cation Course by	Certificate Course	Ms. Kalpita Wagaskar & Ms. Mayura Gavhane	30 hours	17 th Aug. & 2 nd Oct. 2019
2	VAC course on Machine Learning using Python	VAC Course	Monkfox expert trainer & Mr. Siddhesh Gunjal	4	5 th ,14 th , 28 th Sept. & 10 th Oct. 2019
3	A workshop on the basics of Mongo DB	Workshop	Ms. Sana Shaikh	1	13 th Sept.2019
4	A workshop on Digital Forensics	Workshop	Ms. Mayura Ghavane.	1	4 th Oct. 2019
5	A workshop on Tableau for teaching faculty of DBIT	Workshop	Ms.SanaShaikh, Ms.Ditty Vargheseand ,Ms.Priya Kaul.	1	6 th Sept. 2019
6	A two hour session on creating your own website using the google site for the faculties.	Faculty Training	Department website co-ordinator Ms. Deepali	1	29 th Sept. 2019
7	Orientation program for Big Data An-by on the official webiste. alytics	Attended by 41 faculties from different colleges.	Ms. Deepali Kayande (on behalf of University of Mumbai)	1	15 th July 2019
8	"A MIS Orientation"	Orientation for faculty members	Ms. Kalpita Wagaskar	02 days for each faculty	Nov.2019 & Jan.

				member	2020.
9	An Expert session on Adaption of Enjoyment in Learning through Gamification and Visual aids	Guest Session	Dr.Fakhrul Hazman Yusoff, faculty of Computer and Mathematical Science(FSKM) from Universities Technology MARA(UiTM) (Malaysia)	1	16 th Oct. 2019
10	Guest session on Amortized & Probabilistic Analysis and Randomized Algorithm	Guest Session	Dr.Supratim Biswas, IIT Bombay.	over 2 days for 4 hours	26 th Aug. & 11 th Sept.2019

Sr No	Event Title	Type	Resource Person	No. of days	Date
11	Relationship between RE & compiler design & use of tools to implement FA	Guest Session	Dr S. Biswas	1	21 st Aug. 2019
12	A session on AI & its Applications & Opportunities in the Industry	Guest Session	Mr. Ganesh Bhaskaran	1	19 th July 2019
13	Cyber Security & Demonstration of Cyber Security Tools	Guest Session	Mr. Vicky Fernandese from QRC Consulting and Pvt. Ltd.	1	10 th Sept. 2019
14	A session on Building a machine learning project	Guest Session	Mr. AarishIyer	1	7 th Aug. 2019
15	A session on AI and & its Applications & Opportunities in the Industry	Guest Session	Bhaskaran	1	19 th July 2019
16	A session on Website building for the second year students	Guest Session	Mr. Jeff chandy	1	19 th Aug. 2019
17	A coding competition was organized for selection of the Technical Team.”	Coding Competition	Student Volunteer	1	17 th July 2019
18	“A photoshop workshop followed by a small competition	Workshop + Competition	Student Volunteer	1	24 th July 2019

	was conducted on for selection of the Design Team.”				
19	“A Content Management System workshop was conducted for the third-year students.”	Workshop	Student Volunteer	1	26 th July 2019
20	A Java Applet Workshop was organized for the second-year students	Workshop	Student Volunteer	1	21 st August 2019

Sr No	Event Title	Type	Resource Person	No. of days	Date
21	“A Web Development Workshop “	Workshop	Student Volunteer	3	3 rd Aug., 4 th Aug. & 11 th Aug. 2019
22	A Flutter Workshop was conducted in association with Vlink	Workshop	Student Volunteer	4	24 th , 25 th , 26 th & 27 th Sept. 2019
23	A Sound Engineering Workshop	Workshop	Student Volunteer	1	27 th Aug. 2019
24	A Unity Workshop was organized where students the learned the basics for developing 2D & 3D games	Workshop	Student Volunteer	1	30 th Sept. 2019 & 1 st Oct. 2019
25	“Wall of Kindness”	3-day social drive wherein students donated for the less fortunate at Grace Harvest Ministry, a NGO	NA (Headed by student Volunteer)	1	18 th to 20 th Sep. 2019
26	Debugging competition for the students of TE COMPS	Debugging Competition		1	29 th Aug. 2019
27	Coding competition	Coding competition		1	23 rd Aug. 2019

Outreach Activities

Sr No	Event Title	Type	Resource person	No. of days	Date
28	“A workshop on Google Form” for 8th grade students of Al Salam English School, Powai	Workshop	Ms. Sana Shaikh, Ms. Sejal Chopra and Ms. Shafaque Syed	1	2 nd Dec 2019
29	Software career options mastering the digital transformation journey	Webinar	Mr Shirish Sawant	1	17 th Jun 2020
30	Fighting Financial Crime using AI	Webinar	Mr Mustafa Fatakawala	1	17 th Jun 2020
31	Mobile Forensics opportunities and challenges	Webinar	Dr Rizwan Ahmed	1	
32	Digital Agriculture with AI & Image processing	Webinar	Ms. Leisa Armstrong	1	21 st Jun 2020
33	Language acquisition with AI Agents	Webinar	Mr. Rahul Diwekar	1	18 th Jun 2020
34	Boosting Employability post Covid	Webinar	Mr Reyner Dsouza	1	21 st Jun 2020
35	Lean Product Development with Design Thinking	Webinar	Dr. Amiya Kumar Tripathy	1	30 th Jun 2020
36	Roadmap to B.E.FinalYear Project: From Introduction to Conclusion	Webinar	Dr. Shaikh Phiroj	1	1 st July 2020.

EXTC STUDENT CHAPTER: Training Programmes for Students

Sr No	Event Title	Type	Resource person	No. of days	Date
1.	Workshop on FPGAs based Digital System Design Using Xilinx Software	Training Program	Ms. Lakshmi V, Dr. Sudhakar Mande, Mr Akash Rao, Ms Manisha	4	3 rd to 6 th Sept.
2.	Red Hat Linux System administrator	Training Program	Ms Prachi Mule	4	3 rd , 5 th , 7 th & 8 th Sept. 2019
3.	Training in Basic PLC and Sensors	Training Program	Ms Bhagyashree Zavare & Mr Vikram Pawar	1	5 th to 9 th Sept. 2019
4.	Latex Training Workshop	Training Program	Dr Satish Kumar Chavan	1	9 th Sept. 2019
1.	Talk on "Sanitation and Menstrual Hygiene". Girls of Mumbai Utkal English High School, Kurla (West), Mumbai	Social Outreach activity: talk	Ms. Freda Carvalho	1	Sept. 26, 2019
2.	"Email Etiquette" conducted for the Employees of NGO Dharma Bharathi Mission	Social Outreach activity: Workshop	Mrs. Pratibha Dumane	1	Oct. 26, 2019

EXTC Student Chapter: Outreach Activities:

EXTC Student Chapter: Outreach Activities:

Sr. No.	Topic	Resource Person	Organization	Date
1	Convolutional Neural Networks and Deep Learning	Dr. S.N. Talbar	Professor, SGSS Inst of Engg. And Technology, Nanded	May15,2019
2	Expectations of Corporate & Foreign Universities from UG students	Mr. Swapnesh Joseph	AMD, Austin, Texas, USA and DBIT Alumni 2008	July 11,2019
3	Guidance on Project Work using Deep Learning	Ms. Rochelle D'Sa	DBIT Alumni 2018	July 18,2019
4	Problem Solving and Stress Management	Mr. Haresh Thakur	Associate Vice President, Wartsila India Pvt. Ltd.	Aug.09,2019
5	Sequel Circuit Simulation App	Prof. M.B. Patil	IIT, Bombay	Aug.21,2019
6	Approach towards the Project Work and its Significance for Placement and Startups	Mr. Kelvin Lewis	Trainee Engineer at QDnet, Marol and DBIT Alumni 2018	Aug.23,2019
7	Mobile Communication: An Industry Perspective (Job Opportunities and Skill Requirements)	Mr. Yogesh Hudale	TeleNetworks Technologies Private Limited, Vashi.	Aug.29,2019
8	MEMS and its Applications	Dr. Nitin Kale	Nanosniff Technologies	Aug.30,2019
9	Convolutional Neural Networks	Mr. Akshay Dudhane	Research Scholar, IIT-Ropar	Aug.30,2019
10	Industrial Approach: FPGA and CPLD	Mr. Shirish Joshi	Director, Applied Digital Micro- Systems Pvt.Ltd.	Sept.30, 2019
11	Guidance for Start-Up	Mr. Abhay	Director, Azilen	Sept.19, 2019

		Phansikar	Technologies	
12	Workshop on Fusion Splicing and OTDR demo	Mr. Nilesh Nikam	Aditya Infonet, Mumbai	Sept.23, 2019
13	Practical Applications of Digital Communication Systems	Mrs. Megha Kolhekar	Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai	Oct.10, 2019
14	Cyber Security, GRC & Information Security Services	Dr. Nareshkumar Harale	Assistant Vice President, Development Bank of Singapore, Mumbai	Oct.11, 2019

FACULTY DEVELOPMENT PROGRAMMES

Faculty Development Programmes are conducted each semester to upgrade faculty skills and expose them to new technologies. In 2018-19 the FDP focused on the SEAD (Strategy to Excel, Achieve and Deliver) Journey and NAAC.

The SEAD Journey is designed to increase faculty engagement and build a sense of ownership

Amongst the faculty.

NO	ACTIVITY	DATE	DETAILS
1	Art of Living	July 13, 2019	Stress Management
2	SEAD Journey	July 27, 2019	Mr. L. Dsouza
3	Metrics for Enhanced	November 8,2019	
4	ISO Surveillance Audit	November 19, 2019	Mr. Prasad Padalkar
5	Typeset Training	January 4, 2020	Mr. Zeeshan Ahmed
6	Calculation of CO/PO attainment	January 25, 2020	Dr. S. S. Mande
7	Mentoring	January 23, 2020	Fr. Cyril de Souza
8	Academic Advisory Council	February 15,2020	Dept. wise conducted
9	Faculty Development Program on Introduction to Excel	April 8 -14,2020	Conducted for non teaching staff in online mode

Technical Committee: Colosseum 2020 Report

The Don Bosco Institute of Technology (DBIT) Technical Committee takes immense pleasure in announcing the success of an extravagant experience of Young and budding talents, the most awaited annual Intercollegiate Technical Festival, Colosseum XIII, held on March 4-5, 2020.

The festival aims at providing its budding engineers a plethora of opportunities to showcase their technical skills. It is one of the renowned intercollegiate technical festivals in Mumbai, with an amazing line-up of competitions, seminars, workshops, exhibitions, technical talks and mind-blowing mega events.

A total of 2400 students from DBIT * 64 students from other colleges of Mumbai and 1300 school students were present for the event. Using this platform, they participated & competed to win Rs.60000 cash prizes and 1 lakh worth goodies this year.

Objectives of the Technical Event Colosseum 2020:

To promote the interest of technology among students of different fields. To bridge the gap between industry and campus. To provide an arena for students to test their engineering skills.

Category Type

1. Talks
2. Exhibitions
3. Competitions
4. Workshop
5. E-cell event
6. Fun Events

Event Type

- 1- Awareness of New /Existing Tech.
- 2- Social Awareness
- 3- Acquire Technical Skill
- 4- Awareness of non-Technical Skills
- 5- Awareness of Cross Culture
- 6- Informal Events

Figure: Illustration of Event Type with its weights

A glimpse of all the events of colosseum is displayed here with help of the photos.

COLOSSEUM 2020 – INAUGURATION



COLOSSEUM 2020 – BAARC



COLOSSEUM 2020 – EXHIBITION



COLOSSEUM 2020 - TALKS



COLOSSEUM 2020 - WORKSHOPS



COLOSSEUM 2020 - FUN EVENTS

**NERF
BATTLES**



**TREASURE
HUNT**



ZORBING SOCCER



Schedule of Colosseum 2020: on 04 March 2020

Don Bosco Institute of Technology, (DBIT), Mumbai 400070										
Technical Committee										
Colosseum 2020 - XIII : Schedule for 04-March-2020										
Legend										
Day 1										
Events	Talks		Competitions			Exhibitions			Workshop	
	09:00 - 10:00	10:00 - 11:00	11:00 - 11:30	11:30 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00
Opening Ceremony	Mondini Hall, C wing 4th flr									
Rashmi Robot by Ranjeet Shrivastava	Mondini Hall, C Wing 4th floor									
Convergence - Fitness by Maulika Sharma							Seminar Hall, A Wing 3rd floor			
Convergence - Social Work by Urmi Basu							Seminar Hall, A Wing 3rd floor			
Convergence - Nutrition by Siddhart Bhargava							Seminar Hall, A Wing 3rd floor			
High on Films - Director of "Made in China"									Mondini Hall, C Wing 4 flr	
CSI - Swat the Bug						IT Lab 2 & 3, A Wing 1 floor				
CSI - Data Pirates								IT LAB 2 & 3		
IEEE & IETE - Robo Soccer						opposite FE Classrooms, A Wing ground floor				
Xanthium - Car Body Design						MECH Labs, C Wing 2nd & 3rd floor				
Tech Arena	Main Ground									
3D Printing	Main Ground									
BARC Seminar			Opening Ceremony	MMS Hall, D Wing 3rd flr						
BARC Exhibition	Main Ground									
Cultural Exhibitions							Pathway to Canteen			
Faculty Workshop							Daylight Studio, C Wing			
Fun events	Football Ground									

Schedule of Colosseum 2020: on 05 March 2020

Don Bosco Institute of Technology, (DBIT), Mumbai 400070										
Technical Committee										
Colosseum 2020 - XIII : Schedule for 05-March-2020										
Legend										
Day 2										
Events	Talks		Competitions			Exhibitions			Workshop	
	09:00 - 10:00	10:00 - 11:00	11:00 - 11:30	11:30 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00
Electric Vehicles by Mr. Shaharkar	Seminar Hall, A Wing 3rd flr									
Finding Vikram Lander by Mr. Subramanian			Seminar Hall, A Wing 3rd floor							
ACM - Decipher	COMPS Lab 2 & 4 A Wing									
ACM - Code Switch						Computer Centre & COMPS Lab -2				
IEEE & IETE - Robo Soccer						opposite FE Classrooms, A Wing ground floor				
Technical Paper Presentation								Exte CR-1, A wing grnd flr		
E-Cell - Stock Market Simulation						COMPS Lab				
E-Cell - Brand Challenge						BMM CR- 3, D Wing 5th floor				
Xanthium - Built it Up						Drawing hall - 1, C Wing 3rd floor				
Tech Arena	Main Ground									
BARC Exhibition	Main Ground									
BMX by D-17							BB Court			
Spacerace							Main Ground			
Warli Painting	FE Classroom, A Wing gnd									
Fun events	Football Ground									

Summary Sheet: Various Events

S.N.	Category	Event Name	Total Participants	Feedback Rating		
				3	2	1
1	Workshop	Angular	25	59	33	8
		Aws	47	45	39	14
		Creators Camp	30	78	14	8
		Space Race	15	NA	NA	NA
		Warli Painting	28	88	12	0
		Vehicle Dynamics	72	75	15	10
2	Exhibitions	BARC	650	85	10	5
		Tech Arena	650	85	10	5
		Robo Soccer	13	72.2	21	2
		BMX	200	NA	NA	NA
3	Talks	Rashmi Robot	166	91.27	6	2.73
		Convergence	100	89.8	8.2	2
		High on Films	150	91	6.6	2.4
		Electric Vehicle	150	90.4	6	3.6
		Vikram Lander	150	91	6	2.9
4	E-Cell	Budget Making	15	81.3	13.3	5.57
		Stock Exchange	37	74.77	14.86	10.36
		Brand Challenge	150	88	10	2
5	Competition	Swat the Bug	21	73.8	15.9	10.3
		Data Pirates	30	65.7	22.7	11.6
		Code Switch	20	70	18.3	11.7
		Decipher	20	71.7	16.7	12
		Built it up	30	65	22.8	12.2
		Solid Works	15	65.9	18.2	15.9
5	Fun Events	Anime Quiz	13	NA	NA	NA
		Marvel Quiz	12	NA	NA	NA
		CSGO	10	NA	NA	NA
		DOTA	6	NA	NA	NA
		FIFA	22	NA	NA	NA
		NEON	12	NA	NA	NA
		PUBG	13	NA	NA	NA
		Treasure Hut	13	NA	NA	NA
Bubble Soccer	33	NA	NA	NA		
6	Colo night	Censored	196	NA	NA	NA
Total participants = 2464 + 650 School students			2464	77.12909	15.43455	7.148182
Total Non-redundant participants = 600 (411+ 200)			410.6666667			

Winner of coding Competition: Colosseum 2020

S.N.	Event Name	1 st	2 nd	3 rd
1	Swat the bug	Arjun Chavan (DBIT)	Pakshal Rawat (DBIT)	Nevil D'souza (DBIT)
2	Data Pirates	Ishmeet Kaur (DBIT)	Saloni Dhotre (DBIT)	Indrajeet (DBIT)
3	Code Switch	Shubham Bisht Mukund Chaudhary (DBIT)	Raj Shah (KJSCOE)	Sameer Joshi Prabodh Shewalkar (DBIT)
4	Decipher	Shubham Bisht Shadrak Gurupnor (DBIT)	Arjun Chavan Yash Bitla (DBIT)	Raj Myron (KJSCOE)
5	Build it up	Prasad Patil (DBIT)	Alvis Dias (DBIT)	Viraj Yewale & Mihir Gosavi (DBIT)
6	Robo Soccer	Stalin	Chaitanya	Matthew Lobo (DBIT)

Winner of E-Cell Events

SR NO.	NAME OF THE EVENT	WINNER RANK	WINNER NAME	COLLEGE
1	Budget Making Competition	1	Srujan Mhase	DBIT
		2 (Tie)	Dhruvaraj Gambhire & Rutuja Deorey	DBIT
		2 (Tie)	Lokesh Gaingade & Varad Dharap	DBIT
		3	Ken Farro & Raiden Dsouza	DBC-BMS
2	Brand Challenge Competition	1	Srujan Mhase	DBIT
		2	Jovin Varghese & Gavin Dsa	DBIT
		3	Alistar Almeida	DBC-BMS
3	Stock Market Simulation Competition	1	Lokesh Gaingade	DBIT
		2	Amol Nagpure	DBIT
		3	Vinit More	DBIT

The overall cumulative feedback was 4.01 out of 5, where the Competition response was overwhelming and students were happy to exhibit their skills and learn life skills through various workshops.

Outcome & reinforcement plan

1. The dates of colosseum should be in the 1 week/ 2week of February and not late than that.
2. To keep department level competition based on the curriculum and as well based on workshop conducted during skill development & Per colosseum in order to draw more students participate and provide them an opportunity to encourage participation in intercollege level competition.
 - a. To do survey in classrooms with help of CR, class teachers and dept. technical coordinators during the 1st week of Jan, in deciding on the workshop topics and to reach students on the awareness of such activity.
 - b. To discuss and conclude on the topics for workshop with the HOD & Dept and assign a class /competition (Strategy plan)
 - c. To assign chosen topic to respective Student Chapter /Clubs during the end of 1st week of Jan.
3. To do maximum publicity around the various collages of Mumbai, so reaching out more people through Internal Faculties during the last week of Jan.
4. To make all students to participate in any one of the competitions.

We take this opportunity to express our gratitude on behalf of the students and faculties of DBIT, by thanking our Management for providing necessary resource and economic facilities and our beloved Principal Dr. Prasanna Nambiar, in guiding and executing this Annual Technical event, “Colosseum 2020”, successfully.

DON BOSCO INSTITUTE OF TECHNOLOGY, MUMBAI
REPORT OF SPORTS ACTIVITIES FOR AY 2019-20

The Don Bosco Way emphasizes on the holistic development of a student and the sporting activities at DBIT play an important role in shaping a student towards this goal. The sporting activities of 2019-20 were spread evenly across the entire year, being marred only by the onset of the covid-19 pandemic that started in March, 2020.

The Sports Committee team for the year 2019-20 were as follows:

1. Jithin Isaac- Convenor
2. Priya Kaul
3. Tayyabali Sayyed
4. Sudhakar Ambhore
5. Hrishikesh Pednekar
6. Hayden Fernandes (Sports Secretary)
7. Anastasia D'souza (Sports Secretary)

The report of all activities undertaken is detailed below.

1. The Sports budget was sanctioned on 19 July 2019.
2. DBIT participated in the Mumbai University Inter collegiate tournament in the following events:

Football (Men)	
Football (Women)	
Table Tennis	

Swimming (Men & Women)	
Athletics (Relay)	
Basketbal	
Kabaddi	
Chess	
Badminton (Men & Women)	

3. The DBIT Football team progressed to the League stage (Top 16) of the Mumbai University Football (Mens) tournament
4. The DBIT Table tennis team reached the Top 16 of Mumbai University Table Tennis (Mens) tournament
5. DBIT Indoor event selection for Chess, Carrom & Table Tennis was conducted in August 2019
6. Don Bosco Premier League, a flagship club wise football tournament of DBIT, was conducted in September 2019.
7. Hysteria 2020, the annual Intra collegiate Festival of DBCL campus, was conducted from 22-24 January 2020.
8. Hysteria 2020 consisted of the following sporting events
 - a) **Sports Outdoors**
 1. Field Football (Boys)
 2. Volleyball (Boys)
 3. Box Cricket (Boys)
 4. Basketball (Boys)
 5. Basketball (Girls)
 6. FootVolley (Boys)
 7. Rink Football (Boys)
 8. Outdoors
 9. Rink football (Girls)
 10. Throwball (Girls)
 11. Box Cricket (Girls)
 12. Field Cricket (Boys)

13. Kabaddi (Boys)

b) Sports-Indoors

1. Chess
2. Table Tennis
3. Carrom
4. Table Tennis
5. Carrom

c) Sports-Athletics

1. 80 Meters (Boys)
2. 80 Meters (Girls)
3. 200 Meters (Boys)
4. 200 Meters (Girls)
5. 800 Meters (Boys)
6. 600 Meters (Girls)
7. Shot Put (Boys)
8. Shot Put (Girls)
9. Discus Throw (Boys)
10. Discus Throw (Girls)
11. Javelin Throw (Boys)
12. Javelin Throw (Girls)
13. Slow Cycling (Mix)
14. Relay (Boys)
15. Relay (Girls)
16. Mixed Relay
17. Obstacle Race
18. Tug of war (Boys)
19. Tug of war (Girls)

9. DB Cricket Bash was held in the month of March 2020.

10. Students also participated individually and as teams in various other Intercollegiate events organized by other universities and colleges. The details are as follows:

Date	Event	Organized Under	Position
Jan 2020	Football (Women)	SKREAM 2020, KJ Somaiya, Vidyavihar	NA
Jan 2020	Football (Women)	Megathon, Rotaract Ruia	I
Feb 2020	Football (Women)	VIT	NA
Dec 2019	Football (Women)	KEM	NA
Feb 2020	Football (Men)	KJ Somaiya	NA
Jan 2020	Cricket	SKREAM 2020, KJ Somaiya, Vidyavihar	NA

July 2019	Relay	MSDAA 	III
Sept 2019	Basketball (Men)	Kaleidoscope 2019, Sophia College	NA
Feb 2020	Basketball	RISE 2020, Retract 	I
Dec 2019	Football (Men)	Reliance Foundation Youth Sports 	Group of 16

Annual LitSoc Report for academic year 2019-2020

The Literary Society's core committee for academic year 2019-2020 was elected during mid-August. The faculty in charges elected Ms. Swati Kamath and Mr. Kevin Correia as the committees chairperson followed by Mr. Desmond Lobo as the Vice-Chairperson, Ms. Brianna Rajan as the Secretary, Mr. Jorden Joy as the Treasurer and Mr. Anthony Fernandes as the Marketing Head. With the clubs committee being formed, students in charge were all set to conduct different types of activities for the academic year 2019-2020.

The club hosted its first yearly workshop for students around mid-September. It was an oxford style debate workshop in which the students were taught the basics of debate culture. Soon an intra-college oxford style debate competition was hosted by the club to check how much did the students learn during the workshop. Along with this the yearly roulette of asking students for their literary talent i.e. submission of poems or write-ups for DBIT Inklings was also conducted simultaneously.

The student in charges started a new initiative around January known as Official Humans of DBIT. This initiatives motto was to put up a particular students excellence story or the story of his/her journey during this course of four years. The main goal was also to inspire budding students studying in this institute. Many students from different branches came forward with their stories and hence helped this initiative get a lot of student engagement.

For the even semester the students committee had planned to replace their annual flagship event 'Samvaad' with a new event which was named as 'Lit-Fest'. As LitSoc is a diverse club that not only persuades students to get well known with debating skills but it also enhances students writing and communication skills. The 'Lit-fest's' main motto was to provide a platform for the students to channelize their creativity. Different events like slam poetry, original compositions, debates, few workshops and seminars were going to take place as a whole. But soon due to the outbreak of Covid-19 this event was unable to be conducted.

Math Club (DOMAIN)

List of activities in 2019-2020

Inquizitive (Intra College quiz)

Date: 23rd August 2019

Participants: 22 teams (Team of 5)

Report: A Math-Physics quiz was conducted for all the students of the college. The top 5 teams were given a direct entry to the inter college competition second round.

Inquizitive (Inter College quiz)

Date: 1st September 2019

Participants: 20 teams (Team of 2)

Report: A Math-Physics quiz was conducted for all the students of the college and outside colleges. The quiz was divided in 3 rounds. 5 teams were eventually selected after qualification from the first 2 rounds. A buzzer round was conducted between these 5 teams.

Diploma Teaching

Report: Peer teaching activity was conducted for the diploma students - these are students who enter engineering directly in the II year after completing diploma in engineering. They were assisted in their learning of Applied Mathematics - III subject by teaching them the basic topics of Mathematics (to help them understand the syllabus and basics they missed in the first year) and the topics in the III semester.

Colosseum Treasure Hunt

Date: 4th and 5th March 2020

Participants: 22 teams (Team of 5)

Report: A fun event was conducted in the annual fest of the college. Around 100 students participated in the event. They were provided with different hints which were hidden at different places in the college.

Snakes and Ladders

Date: 4th and 5th March 2020

Report: To relive the childhood, this board game was kept in the fest.

Technical Paper presentation

Date: 5th March 2020

Participants: 15

Report: Participants were asked to present a paper on project/ new idea/ research , etc. Out of the participants, 3 winners were selected.

Webinar 1- Maths and Neural Networks

Date: 6th June

Participants: 808

Report: The webinar was intended to discuss the following:

1. To inform how industry approaches machine learning (ML) - in particular neural network (NN) solutions
2. To provide a practical overview of the NN solution landscape
3. To indicate the role of basic loss functions (sigmoid etc) and nonlinear activation functions
4. To become familiar with data sampling issues

Webinar 2 : Mathematical Intuition - From Innovation to Engineering

Date: 9th June

Participants: 275

Report: The webinar was intended to discuss the following:

1. To inform how math influences various technological fields like ML, AI
2. To provide a practical overview of the concept of integration and differentiation
3. To indicate the role of Fourier series in the world of artificial intelligence
4. To become familiar with concepts behind pi.

Webinar 3: New Age Learning – How to Conduct Sessions Online!

Date: 14th June

Participants: 32 (All staff of DBCL)

Due to the present situation, teachers and student chapters will have to conduct many of their activities online. The webinar was conducted to make teachers of DBCL campus more familiar with the online platform

Report: The webinar was intended to discuss the following:

1. How to obtain zoom subscription and what are the features that need to be included in the zoom subscription plan
2. Procedure to stream on YouTube
3. Coordination between zoom and YouTube
4. How to create Google form that takes in the essential details like whether faculty etc.
5. How to link feedback form with certificate, email
6. Generating certificates only if some conditions are satisfied

Alumni Events

1. Alumni Interaction

Date:	7th August 2019
Venue:	CR2, 2nd Floor, Awing
Time:	10 to 11 am
Professor In charge:	Mrs. Sejal Chopra

Aarish briefed SE Computer students about new areas in computer engineering. Such as, Artificial Intelligence, Web Development UI/UX, Cyber Security, App Development, Data Base Engineering, Software Engineering, etc. He told the students about it and to what extent they are used. While saying about it, he even mentioned the basic software's or knowledge one needs to pursue career in the given fields Which in turn would help the students to get a pre boost before their placements. He even suggested the students to join ACM DBIT student chapters so that the students will have some opportunities to show case their talents\and to know the places the students lack knowledge. In this way he gave the students a peek into the big tech world in which they were yet to be introduced.

2. Guest Session on

“Cyber Security and Demonstration of Cyber Security Tools” For BE Institute Level Elective – Cyber Security and Laws

Date:	10th September, 2019
Time:	11:15 am to 1:15 pm
Venue:	Seminar Hall
Speaker:	Mr. Vicky Fernandese, Assistant Manager, QRC Consulting & Solutions Pvt Ltd. and Alumni of DBIT

A seminar on “Security and Demonstration of Security tools” was organized in Don Bosco Institute of Technology on 10th September,2019. This session was from 11:15\am to 1:15 pm and was conducted by the guest Mr. Vicky Fernandese, who also is the alumni of DBIT, Mumbai. In today's world, all the data is being stored digitally, therefore it has become an important task to have data security. Hence, to bring certain awareness and explain the security tools was the main objective of the session. The crowd assembled was from final year of engineering who opted for Cyber Security & Law or MIS subject as their elective. The session started by introduction cyber security and why it is important. The presentation was very informative as it could give the content of the session and was very well presented. The speaker also gave the live examples by naming some of the well known industries and companies regarding their histories of cyber attack resulting to hacking of the sites and data loss. The speaker estimated that ‘By2024, the value of cyber security market is anticipated by Rs. 3 billion as published in one of the articles. He expressed about the cyber crime statistics that small and midsized businesses like Yahoo, Uber, Equifax, Deloitte, etc. sites were hacked. The important CIA triad of information security was explained by him that is confidentiality, integrity and availability and why these forms are important in security

3. Synchrony Meet 2020 (Online Alumni Meet)

Theme for the event : Entrepreneurship
Date : June 06, 2020
Time : 4pm-6pm

Speakers:

1. **Ms. Rujuta Pawar** - Alumnus, Batch 2010 : Founder at SKETO INFOTECH and CoFounder at Bequest Designs Independent Consultant at Tradepath Capital LLC.
2. **Mr. Goradia Vaibhav Rajesh** - Alumnus, Batch 2016 : Co-Founder & CEO of VISER8.
3. **Mr. Akshay Kumar** - Alumnus, Batch 2014 : C.E.O. and Director, Vishva Vedanta Schools since 2014 and Consultant for VIBGYOR Group since 2016.

Organizing Team : Ms. Jenifer Abin (Event In-charge), Ms. Ditty V, Ms. Gejo G, Ms. Anice M, Ms. Lakshmi Iyer, Ms. Aruna K, Mr. Tayyabali S and Mr. Johnson V .

Alumni Student Co-ordinators : Olivia D'sa and Bryan R.

IEEE Student Co-ordinators : Shreyas K, Keith B and Adish S.

YouTube Live streaming link for the event

<https://youtu.be/hiSygJeaZ0o>

Zoom Link :

<https://us02web.zoom.us/j/89533662680?pwd=L0Q4Z1dIMG9aWkNKUUVjOUZqY1pMQT09>

Meeting ID 895 3366 2680

No. of Positive Registrations : 93

No. of YouTube views (as on June 11, 2020) : 597

4. WEBINARS

1. WEBINAR on "CAREER PROSPECTS WITH RESPECT TO HIGHER STUDIES IN USA IN THE CURRENT SCENARIO"

SPEAKER: Mr. Melroy Pinto, Graduate Intern at INTEL CORPORATION, DBIT Alumnus of Batch 2016

DATE: 24 May 2020

TIME: 11:00 a.m. to 12:00 a.m.

VENUE: Zoom Meeting/YouTube (Online Platform)

LINK TO THE WEBINAR:

<https://youtu.be/jsNTSD6QqpU>

COUNT OF REGISTERED PARTICIPANTS : 62

COUNT OF VIEWS ON YOUTUBE: 693

2. Webinar on Ways to Discover Your Dream Job

Topic: Ways to Discover Your Dream Job

Date: 30th May, 2020

Time: 10.30 am -12:00 p.m.

Venue: Zoom Meeting/YouTube (Online Platform)

Link to the webinar:

<https://youtu.be/mhrsWNWf1lw>

Speaker: Ms. Sharon Lobo, Global Program Manager at Google

Event Co-ordinators: Ms. Ditty Varghese and Ms. Gejo George

Alumni Committee Members: Ms. Anice M., Ms. Jenifer A., Ms. Aruna K., Mr. Tayyabali S., Mr. Johnson V. and Ms. .Lakshmi Iyer.

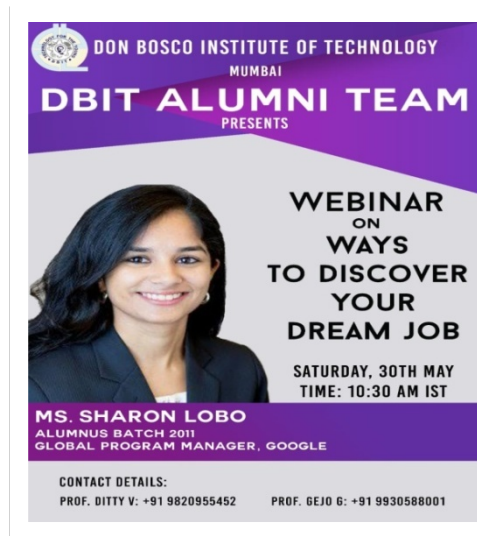
Alumni Student Co-ordinators: Mr. Bryan R. and Ms. Olivia D'sa

IEEE Student Co-ordinators: Mr. Shreyas K, Mr. Adish S and Mr. Keith B

No. of participants registered: 65

No. of participants attended: 65

No. of views on YouTube: 628



3. REPORT ON THE WEBINAR: “NAVIGATING THE POST COVID MASTER’S MAZE”

SPEAKER:Mr. Varun Chouthkanthiwar, an alumnus of DBIT - Batch 2017 Venture Capital Associate at New York, DBIT Alumnus of Batch 2017

DATE: 9 Jun 2020
TIME: 10:30 a.m. to 11:30 a.m.
VENUE: Zoom Meeting/YouTube (Online Platform)

LINK TO THE WEBINAR:
<https://www.youtube.com/watch?v=fKF7IX5be3I>

COUNT OF REGISTERED PARTICIPANTS: 32

COUNT OF VIEWS ON YOUTUBE: 263



