



Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	DON BOSCO INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	HEMADRI NAIDU T
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	080-28437028
Mobile no.	9972550099
Registered Email	principal@dbit.co.in
Alternate Email	dbit.principal@gmail.com
Address	MYSORE ROAD, KUMABALAGODU, BANGALORE - 560074
City/Town	BANGALORE
State/UT	Karnataka
Pincode	560074
2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	RENGAPRABHU P
Phone no/Alternate Phone no.	08028437031
Mobile no.	9944062323
Registered Email	dbitiqac@gmail.com
Alternate Email	iqac@dbit.co.in
3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://dbit.co.in/assets/about/pdf/naac/DBIT-NAAC-SSR-2018-2019.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	https://donboscoit-my.sharepoint.com/:b:/g/personal/iqac_dbit_co_in/ETpp1e5-QaZPuJ4nO6GjS8gBT59erGcLFmCeRXM04cpm7g?e=Kryrg8
5. Accrediation Details	

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.53	2019	20-May-2019	19-May-2024

6. Date of Establishment of IQAC 04-Jun-2016

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
FDP on OUTCOME BASED EDUCATION	29-Jul-2019 5	80

[View File](#)

8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institution	Projects	Visvesvaraya Technological University, Belgaum	2019 365	2.2
Institution	FDP	AICTE (RFID)	2019 365	7
Institution	FDP	Visvesvaraya Technological University	2019 7	3
Institution	Major Project	Karnataka Council for Technological Upgradation	2018 1095	100.79
Institution	Major Project	Karnataka Council for Technological Upgradation	2018 1095	193.09

[View File](#)

9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

3

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

Yes

If yes, mention the amount

1000000

Year

2019

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Revised self appraisal form and feedback collection procedure was proposed and Implemented.

Applied for NIRF ranking, AIIRA Ranking, and IIC

Reordering/restructuring of Lecture hall & Lab was done across all departments.

New infrastructure was introduced for IQAC documentation, Admission, Exam section and E waste storage room. Centralized notice board facility was established. Establishing of new Counselling cell.

Conducted Academic Audit & Stock Verification.

[View File](#)**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achievements/Outcomes
Encouragement to conduct more seminars and workshop	More number of seminars and workshop conducted
Encouragement to develop more number of incubation centre start up in campus	Five incubation centre was made in campus set up

[View File](#)**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Institution Governing Council	28-Nov-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

15-May-2019

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

30-Sep-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

Biometrics system for attendance, Salary Tax calculation for all staff members. Accounts section was using Tally accounting software and now updated to Tally ERP 9. Activities carried out using Tally software are: a) Bills, vouchers and vendors payment through Cheque printing entry b) Cash Book maintenance c). ledger Maintenance d). Fee Collection entries e). Bank reconciliation statements etc. Following tasks is achieved using Microsoft excel: a) Budgets and Utilisation Preparation, b) income and expenditure data c). Balance sheets other MIS reports etc. TDS deduction, payment and uploading are through Saral TDS software. Student Fee and staff Salary is processed through AIMS and Saral Payroll and to generate monthly pay slip for the staff members. Accounts department prefers Digital payment for all financial activities. DBIT has EAS software for maintaining student's information with the following credentials. • All student database. • Attendance of all students' semester and subject wise. • IA marks of all student's semester and subject wise. • Student mentoring report generation. • Student and Parent Login to view details of Attendance and IA marks. DBIT has QPDS Portal to ease the process of conducting VTU theory examination. • Online filling of Exam Application Form. • Online Fee Payment. • Student's appearing list report generation for seating arrangement and Invigilator allotment. • Auto generation of Form B (Attendance Sheet) and Form A (consolidated Sheet). • Timetable Generation. • Consolidated work done statement generation for remuneration. Library is automated with ILMS (Integrated Library Management System) software, the software helps to manage the entire library operations from maintaining book records to issue a book. In addition, it allows streamlined operation of fine details of books similar as author name, edition, and numerous other important details. So, its easier to search for books and find the

right materials for students. The institution provided the video capturing class rooms, and each subject class will be recorded and uploaded by the individual subject faculty, so that students who missed class can watch the course, and if they have any questions or need clarification, they can communicate the teaching staff. To ensure the smooth operation of this process, the institution has subscribed to impartus software.

Part B

CRITERION I - CURRICULAR ASPECTS

1.1 - Curriculum Planning and Implementation

1.1.1 - Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Don Bosco Institute of Technology is affiliated to Visvesvaraya Technological University (VTU) and the curriculum and syllabus prescribed by the University are strictly adhered to. The Institution follows a methodical approach in developing and deploying action plans for effective curriculum delivery as detailed below:

- Institutional Academic Schedule in line with VTU Calendar of Events indicating the Commencement of the semester, Last working day, Commencement of Examinations (Both theory and practical) is prepared two weeks in advance of commencement of semester.
- Individual Departments prepare their Department Academic Schedule in line with Institutional Academic Schedule incorporating the schedule for conduction of add-on courses, value-added courses, seminars/workshops/trainings, and various other co-curricular and extra-curricular activities.
- Courses are allotted to faculty members before closing of previous semester according to their area of specialization and skill matrix.
- Time table for the entire semester is prepared to indicate specific class and laboratory hours.
- Objective driven course plan is formulated at the beginning of the semester in-line with the university syllabus.
- Lesson plan and resources materials are prepared by faculty in line with the academic calendar.
- Laboratory manuals are prepared so that students can plan in advance and correlate with theory.
- Beyond the curriculum teaching is ensured by supplementing classroom teaching with expert lectures, seminars, additional laboratory experiments and mini-projects.
- The academic courses are delivered by employing learner centric techniques such as add-on courses, peer learning, group discussion, brain storming, use of NPTEL/MOOC lectures, case studies, projects, quiz etc.
- During each semester three class committee meetings, are conducted to monitor the progress of theory and laboratory courses.
- Three Internal Assessment Tests are conducted for theory courses and one laboratory test is conducted as per well documented Continuous Internal Evaluation policy.
- The slow learners are identified based on their test performance and additional guidance and mentoring is provided to them.
- Bridge courses are organized and conducted for the first-year students and lateral entry students to understand the basic concepts of Mathematics and Engineering.
- Performances of the students are regularly communicated to their parents.
- For proper documentation, course files are maintained by the faculty members for the subjects handled with the following contents VTU Syllabus, Time Table, Lesson Plan, Lecture Notes, Module wise Question Banks, Previous VTU Question Papers with solutions, Internal Assessment Test Question Papers with Answer Key, Scheme and Solutions for Valuation and Sample Answer Papers, Assignment Questions.
- Video recording of lecture sessions are made available for students
- The IQAC of our institution reviews the academic activities planning and implementation by academic audit, student performance and result analysis, and performance appraisal of faculty members. Suitable actions for continuous improvement are taken as per well-documented academic policy.

1.1.2 - Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
IC Engine	Nil	11/02/2020	5	Employability	Mechanical parts Analyst
Basic of Analog and digital Modules	Nil	21/10/2019	5	Employability	Circuit Designer
Application development	Nil	21/10/2019	5	Employability	Programmer
Computer Fundamentals	Nil	16/09/2019	5	Employability	Hardware engineer
Scientific Advances for Technological Applications	Nil	16/09/2019	5	Employability	Research Assistant
Data Base Basics its Application	Nil	09/09/2019	5	Employability	Database Management
C Programming	Nil	07/10/2019	5	Employability	Programmer
C plus Programming	Nil	17/02/2020	5	Employability	Programmer
Python Programming	Nil	09/03/2020	5	Employability	Programmer
Abstream Certified Professional on	Nil	22/03/2019	180	Employability	Infrastructure/Network Engineer

Enterprise Technology (AEPET)						
Abstream Certified Professional on Enterprise Technology (AEPET)	Nil	24/10/2019	180	Employability	Infrastructure /Network Engineer	
Advance surveying technologies using total station.	Nil	26/08/2019	5	Employability	Drafting Supervisor and trainer	
Applications of AutoCADD Civil 3D in Highways.	Nil	24/02/2020	5	Employability	Trainier and supervisor	
Applications of remote sensing and geographical information system	Nil	18/11/2019	5	Employability	web based gis analyst	
Design of Shallow and Deep Foundations.	Nil	16/03/2020	5	Employability	Construction management	
Principle and Realistic concepts of Object-Oriented Language	Nil	17/02/2020	10	Employability	Programmer	
Essential programming languages	Nil	05/09/2019	5	Employability	Programmer	
Data Science and its Applications	Nil	12/09/2019	5	Employability	Data Mining Developer	
Web Development	Nil	02/09/2019	5	Employability	Web Developer	
Renewable Energy Resources	Nil	26/02/2019	5	Employability	Renewable Energy	
Control System Modelling using MATLAB/Simulink	Nil	12/04/2020	5	Employability	MATLAB Simulink Tool	
Hardware realizable neural networks-design challenges and research opportunities	Nil	16/03/2020	5	Employability	Hardware Basedased	
Digital design using Verilog HDL	Nil	06/04/2020	5	Employability	VLSI Design Engineer	
Analog and digital devices	Nil	16/09/2019	5	Employability	Circuit Designer	
Application of MATLAB in Engineering	Nil	19/09/2019	5	Employability	Programmer	
Designing and Implementation of Analog and Digital Circuits Using PSpice FPGA Kit	Nil	01/09/2019	5	Employability	Circuit Designer	
Object Oriented Programming using C	Nil	17/02/2020	4	Employability	Programmer	
Full Stack web Development	Nil	16/09/2019	6	Employability	Web Programmer	
GUI Based Application Design and Network Analysis Using Simulation tool	Nil	13/09/2019	5	Employability	Software Development Programmer	
Basic Computer Concepts	Nil	16/01/2020	5	Employability	IT Analyst	
IT Infrastructure And Social Networking	Nil	05/08/2019	5	Employability	Social Media Analyst	
Basic IT Operations	Nil	23/03/2020	5	Employability	IT Analyst	
DBMS and System Security	Nil	23/03/2020	5	Employability	Cyber Security	
Machine Learning and its Application	Nil	07/10/2019	5	Employability	Programmer	
Challenges and opportunities of Industry 4.0 techniques scope in manufacturing industries	Nil	18/11/2019	5	Employability	Advanced Manucaturing Analyst	
EDC	Nil	Nil	Nil	Entrepreneurship	Nil	

1.2 - Academic Flexibility

1.2.1 - New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
MBA	Master of Business Administration	02/09/2019
BE	Civil Engineering	01/08/2019
BE	Electrical & Electronics Engineering	01/08/2019
BE	Information Science & Engineering	01/08/2019
BE	Mechanical Engineering	01/08/2019
BE	Computer Science & Engineering	01/08/2019
BE	Electronics & Communication Engineering	01/08/2019
BE	Telecommunication Engineering	01/08/2019

[View File](#)

1.2.2 - Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Electronics Communication Engineering	01/08/2019
BE	Computer Science & Engineering	01/08/2019
BE	Mechanical Engineering	01/08/2019
BE	Information Science & Engineering	01/08/2019
BE	Electrical & Electronics Engineering	01/08/2019
BE	Civil Engineering	01/08/2019
BE	Telecommunication Engineering	01/08/2019
MBA	Master of Business Administration	02/09/2019

1.2.3 - Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	3632	Nil

1.3 - Curriculum Enrichment

1.3.1 - Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Soft Skills Aptitude	21/08/2019	1284
Company Specific Training- TCS Wipro	18/06/2019	161
Company Specific Training- IBM	10/11/2019	32
MEP Workshop	05/03/2020	203
Python Programming	06/03/2020	110
Infytq	10/12/2019	240
Career Edge - Online Soft Skill Training	03/04/2020	116
Soft skill training program	02/09/2019	42

[View File](#)

1.3.2 - Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MBA	FINANCE	12
MBA	MARKETING	15
MBA	HUMAN RESOURCE	15
BE	Electronics & Communication Engineering	159
BE	Computer Science & Engineering	173
BE	Mechanical Engineering	182
BE	Information Science & Engineering	44
BE	Electrical & Electronics Engineering	50
BE	Civil Engineering	118
BE	Telecommunication Engineering	32

[View File](#)

1.4 - Feedback System**1.4.1 - Whether structured feedback received from all the stakeholders.**

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 - How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)**Feedback Obtained**

To understand the stakeholder's sentiments and the expectations, the Institution has an established feedback and survey system. Feedback is collected as per the schedule and reviewed. The review is followed by an appropriate corrective mechanism. To assess the teaching-learning quality and progress of syllabus coverage, monthly class committee meeting is conducted. The class committee of each semester class and section comprises of a group of six students with gender equity. The meeting is conducted by a neutral faculty member. Based on the committee inputs, suitable corrective steps are immediately taken up to ensure the teaching-learning is to the satisfaction of students. Online feedback on outcome-based teaching-learning process is obtained from all students and analysed by IQAC, as part of the Performance Appraisal Assessment of faculty members. Periodical analysis is made by Academic Committee. Faculty members are motivated to improve their teaching skills, attitude, and adopt innovate methods of teaching. Faculty members whose performance is below threshold, are counselled by Principal and respective HOD. Further, feedbacks are taken about infrastructural facilities, and laboratory equipments. Necessary and timely steps are taken to improve facilities and servicing of laboratory equipments. Students are encouraged to note their suggestions, any grievances and drop them in the suggestion box placed in every department, which are addressed promptly. After monthly internal assessment test, performance of students is assessed. Slow learners are identified and steps are taken to conduct remedial classes for them. Fast learners are motivated to register for B. E. (Honours) - an opportunity provided by the university. Further they are mentored and motivated to obtain university ranks. Mentors also obtain feedback/suggestions from their mentee students about teaching-learning and facilities. Consolidated feedback is further communicated by the mentors to the Chief mentor for suitable corrective steps. The feedback is also obtained from the graduates and employers. The valuable feedback is used to improve the delivery mechanism of the curricula, recommend improvements in curriculum, augment the laboratory facilities, so that there is incremental improvement in overall teaching-learning process. The university revises the curriculum every four years. Whenever the curriculum is revised by the university, the faculty members' feedback is solicited. Faculty members provide the feedback on the university curriculum and the consolidated feedback is duly communicated to the university. The institution organizes alumni meet periodically and collects the feedback from alumni and technical talks, additional certificate courses, seminars, and workshops on latest technologies are arranged. The institution collects program exit feedback from its graduating students. The Training and placement cell collects feedback from senior executives who visit the campus for campus interviews on the performance of the students in the campus placement drives, and the curricular improvements and further skills training needed. Principal and HOD's obtain feedback during informal discussion with students and other stakeholders. Valuable and meaningful suggestions with respect to different aspects of institutional development are obtained and steps are taken to implement them.

CRITERION II - TEACHING- LEARNING AND EVALUATION**2.1 - Student Enrolment and Profile****2.1.1 - Demand Ratio during the year**

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Electronics & Communication Engineering	180	143	143
BE	Information Science & Engineering	120	110	110
BE	Computer Science & Engineering	180	164	164
BE	Mechanical Engineering	180	29	29
BE	Electrical & Electronics Engineering	60	29	29
BE	Telecommunication Engineering	60	5	5
BE	Civil Engineering	60	25	25
MBA	MBA	60	40	40

[View File](#)

2.2 - Catering to Student Diversity

2.2.1 - Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teacher teaching both UG and PG courses
2019	505	40	157	7	1

2.3 - Teaching - Learning Process

2.3.1 - Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
165	165	11	53	5	17

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 - Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring of students is conducted by the departments of the institution. Mentoring of students is based on the following objectives: To facilitate the students of First Year/Lateral Entry students to adopt to the Engineering College atmosphere as compared to the Pre University College/Higher Secondary School/Diploma Institute one. • To help the Rural/Non-Karnataka students in coping up with the change in the ambience of the class room, college environment and the Peer Diversity. • To instill a sense of responsibility in them, especially those who reside in Hostels/PG Accommodation/Rented Accommodation, to handle the new found freedom to their true advantage. • To provide them a channel of discussing their emotional challenges. • To increase the teacher-student rapport/cordial relationship • To identify and address the problems faced by slow learners and the first generation learners • To encourage the advanced learners • To decrease the students failure rate • To address the issues of the students as they progress into the next higher semester/year. Every year, departments individually organize orientation sessions on the class commencement day for students of first semesters and explain the designing and implementation of the mentoring system of the department. In the mentoring process, all necessary information related to the student such as the contact number, email of the student, family income, category, gender etc. are initially collected by the department through the student database format provided by the IQAC. Departments to maintain the records of class tests/surprise tests, attendance records, records of student seminars etc. related to the reviewing of the performance of the students. Departmental wise teachers to maintain interaction with students through individual meetings, social networking site and interaction boards of learning management system. Teachers discuss with parents during parent-teacher meetings and try to identify the problems faced by students and related issues. Time factor is a major constraint of the mentoring system, especially after introduction of the CBCS in 2016. To overcome this constraint, teachers ask students to provide the list of difficult questions and problems faced by them while preparing for competitive examinations and then the teachers provide solutions in written form to the students. In some departments, tutorial classes are also organized for students. Outcome of the departmental mentoring system. 1. Significant improvement in the teacher-student relationship has been observed 2. Students of (2019-2020) batch have qualified in MOOC courses and have won prizes in Hackathon competition held by the other colleges within the state. 3. Students have participated/presented papers in national and international seminars. They have also won prizes in poster presentations, quiz competitions, debates and other similar contests organized by external agencies 4. Students have shown outstanding performance in sports tournaments bagging the Overall Championship in different events of intercollege athletic championship, intercollege District/State sports and games championship. The most important purpose of the mentoring system is to decrease the improper behavior/late coming/absenteeism/non-performance/failure/drop-out rates of the college. Disturbed/distracted students are mentored with additional care and compassion. The more experienced teachers/HODs assist the mentors in this regard. The institution has meticulously planned

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2513	165	1:15

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
184	165	21	18	34

2.4.2 - Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Prof RAGAVENDRA R	Assistant Professor	GCASSTE 2020
2020	Prof Padmini.K	Assistant Professor	Confederation of Elite Academicians of IICDC
2020	Dr Ranjani P S	Professor	Bharath Excellence Award from Friendship Form of india
2020	Dr Manjunath A S	Associate Professor	Research Excellence Award From Institute of Scholars
2020	Dr. R L Ramesh	Professor	Best Paper Award in Global

[View File](#)**2.5 - Evaluation Process and Reforms****2.5.1 - Number of days from the date of semester-end/ year- end examination till the declaration of results during the year**

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
Mtech	EPS	3	04/01/2020	23/04/2020
BE	ECE/ISE/CSE/ME/EEE/CV/TCE	1	25/01/2020	21/03/2020
BE	ECE/ISE/CSE/ME/EEE/CV/TCE	3	30/11/2019	03/03/2020
BE	ECE/ISE/CSE/ME/EEE/CV/TCE	5	30/11/2019	02/03/2020
BE	ECE/ISE/CSE/ME/EEE/CV/TCE	7	30/11/2019	17/02/2020
BE	ECE/ISE/CSE/ME/EEE/CV/TCE	2	15/06/2020	28/09/2020
BE	ECE/ISE/CSE/ME/EEE/CV/TCE	4	15/06/2020	05/10/2020
BE	ECE/ISE/CSE/ME/EEE/CV/TCE	6	15/06/2020	09/10/2020
BE	ECE/ISE/CSE/ME/EEE/CV/TCE	8	15/06/2020	27/09/2020

[View File](#)**2.5.2 - Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)**

The Continuous Internal Evaluation (CIE) as per the regulations of VTU is adhered to VTU has brought about reforms by introducing ICT in the examination process and has introduced a digital evaluation process in recent years. VTU introduced Choice Based Credit System (CBCS) from the academic year 2015-16. Scheme 2015 Broadly the evaluation of each course has two parts: 1. Continuous Internal Evaluation (CIE) - 20 marks 2. Semester End Examination (SEE) - 80 marks Scheme 2017 1. Continuous Internal Evaluation (CIE) - 40 marks 2. Semester End Examination (SEE) - 60 marks From the academic year 2017-18, the CIE is prescribed for a maximum of 40 marks. The CIE marks for the test in a theory course are based on three tests generally conducted at the end of the fifth, tenth, and fourteenth week of each semester. Each test is conducted for a maximum of 30 marks and the final marks are the average of all the three tests. Marks prescribed for the tests are 30 and that for assignments/written Quiz that support to cover some of the Course/Program outcomes is 10. In the case of laboratory course (practical), the CIE marks are based on the laboratory journals/records (30 marks for continuous evaluation based on the conduct of experiment, viva and report writing) and one practical test (10 marks) that is conducted at the end of the semester. Three assignments are given, one before each test. In many cases separate sets of assignment questions are given to students divided into batches. Final year B. E. and M. Tech. project work and Technical seminar internal evaluation are based on current topics with well-defined rubrics. Scheme 2018 1. Continuous Internal Evaluation (CIE) - 40 marks 2. Semester End Examination (SEE) - 60 marks From the academic year 2018-19, the CIE is for a maximum of 40 marks. The CIE marks for the test in a theory course are based on three tests generally conducted at the end of the fifth, tenth, and fourteenth week of each semester. Each test is conducted for a maximum of 50 marks and the final marks are the average of all three tests reduced to 30 marks. The marks for assignment/written Quiz that support to cover some of the Course/Program outcomes are 10. In the case of laboratory course (practical), the CIE marks are based on the laboratory journals/records (30 marks for continuous evaluation based on the conduct of experiment, viva and report writing) and one practical test (10 marks) that is conducted at the end of the semester. Three assignments are given, one before each test. In many cases separate sets of assignment questions are given to students divided into batches. Students are encouraged to take up Massive Online Open Courses (MOOC) like EDUSAT, NPTEL Courses and their performance is considered for CIE of theory subjects (10 marks). Student forums are established in all the departments. Student Chapters organize seminars, technical training, workshops, technical talks, group discussions and debates so that the students can improve.

2.5.3 - Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The academic year starts as prescribed by VTU. The university prepares and publishes the academic calendar for the academic year which includes plans for academics and examination activities based on the available working/teaching days as per university norms. Institutional Academic Schedule in line with VTU Calendar of Events indicating the Commencement of the semester, Last working day, Commencement of Examinations (Both theory and practical) is prepared two weeks in advance of the commencement of the semester. The academic calendar for the conduct of CIE is prepared and displayed on the notice boards. The internal assessments test for theory and lab are conducted as per the academic calendar. Approval for the same is taken by the Heads of Departments and Principal. The academic calendar is given to all faculties before the commencement of the semester. Based on the academic calendar teaching plan is prepared. The academic calendar of the Institute includes a schedule of the curricular transactions, CIE activities, technical events, class tests, verification of marks by students, extracurricular activities and the list of holidays. Students are informed about timetable and academic calendar well in advance. Teaching Plan and the detailed lesson plan/teaching methodology according to syllabus is prepared by each faculty before the start of the semester. The lesson plan comprise content, learning aid and methodology, faculty approach and course outcomes. The lesson plan

generally highlights the content and total lectures for the completion of the curriculum. Monitoring of implementation of the lesson plan is done by HOD and appropriate measures initiated to adhere to the plan. The laboratory Schedule is prepared by the concerned faculty and batch-wise details are specified in the laboratory schedule. Timetable of regular lectures for the semester is prepared well in advance and displayed on the notice boards.

2.6 - Student Performance and Learning Outcomes

2.6.1 - Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://donboscoit-my.sharepoint.com/:f:/g/personal/iqac_dbit_co_in/Equ1H94JGUNAkvVvyhimNykb6miQwaaWaQ1F76Ly0QTEww?e=gj5uTW

2.6.2 - Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
EPS	Mtech	Power System Engineering	4	3	75
ME	BE	Mechanical Engineering	180	179	99
CS	BE	Computer Science & Engineering	142	142	100
MBA	MBA	Master of Business Administration	43	40	93.02
TE	BE	Telecommunication Engineering	23	22	95.65
CV	BE	Civil Engineering	53	51	96
EE	BE	Electrical & Electronics Engineering	54	52	96.29
IS	BE	Information Science & Engineering	44	44	100
EC	BE	Electronics & Communication and Engineering	156	148	94.87

[View File](#)

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://dbit.co.in/assets/about/pdf/survey/STUDENT%20SATISFACTION%20SURVEY%202019-20.pdf>

CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	365	Visvesvaraya Technological University	3	3
Major Projects	365	All India Council for Technical Education	303.38	50.64
Minor Projects	365	Karnataka State Council for science and Technology	4.01	4.01

[View File](#)

3.2 - Innovation Ecosystem

3.2.1 - Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Workshop on Intensive Interactive practice on IC Engine	Mechanical Engineering	15/03/2019
Workshop on Parts detailing of IC Engine	Mechanical Engineering	18/03/2019
Workshop on Research Methodology and LATEX	Mechanical Engineering	19/06/2019
Seminar on industrial automation	Mechanical Engineering	12/09/2019
Webinar on Career opportunities in manufacturing industries	Mechanical Engineering	04/06/2020
Workshop on AutoCAD	Civil Engineering	02/08/2019

Workshop on Engineering Smart Cities- Inspiration to the city of Tomorrow	Civil Engineering	19/09/2019
Workshop on Plumbing Sanitation	Civil Engineering	30/10/2019
Webinar on Art of Projecting Research Proposals in the Thrust Areas of Engineering to Obtain RD Grants from Various Organizations	Civil Engineering	23/05/2020
Webinar on Innovative Design of India's Longest Viaduct	Civil Engineering	06/05/2020
Webinar on Applications of Ground Improvement Techniques	Civil Engineering	27/05/2020
Webinar on Data Science and Machine Learning - Project-Architecture Functional Overview and Overview of High Performance Computing series	Computer Science and Engineering	29/05/2020
Seminar on Issues and Challenges in Cyber Security	Computer Science and Engineering	02/06/2020
DBIT CSI-Student Branch Technical Activities	Information Science and Engineering/ Computer Science and Engineering	18/10/2019
Webinar on Career Road Map for Artificial Intelligence	Information Science and Engineering	05/06/2020
Webinar on Machine learning deployment model using Flask and other Techniques	Information Science and Engineering	05/06/2020
Workshop on GUI based Application Design and Network Analysis Using Simulation	Information Science and Engineering	13/09/2019
Workshop on Full Stack Web Development	Information Science and Engineering	16/09/2019
Webinar on Internet of things value Chain	Information Science and Engineering	30/06/2020
Webinar on Importance of Intellectual Property Rights in Engineering Education	Information Science and Engineering	30/06/2020
Workshop on Intellectual property rights	Electronics and Communication Engineering	30/01/2019
Intellectual Property Rights Awareness program	Electronics and Communication Engineering	10/04/2019
5-Day FDP on Outcome Based Education	Electronics and Communication Engineering	29/07/2019
Role of IPR in Engineering Education Accreditation Process	Electronics and Communication Engineering	22/07/2019
Workshop on Role of IPR in organization development	Electronics and Communication Engineering	10/02/2020
Workshop on IPR and Innovation	Electronics and Communication Engineering	20/05/2020
Webinar on Pattern Recognition using Machine Learning	Electronics and Communication Engineering	29/06/2020
Workshop on Current Trends Future of EV Hybrid EV	Electrical and Electronics Engineering	29/02/2020
Workshop on Nurturing the graduates on industry readiness and Strategic thinking and effective decision making	Electrical and Electronics Engineering	13/04/2019
Workshop on Renewable energy training	Electrical and Electronics Engineering	26/02/2019
One day technical talk on Geometric dimensioning and tolerances(GD T)	Mechanical Engineering	21/09/2019
One Day technical talk On Machine learning and its application	Mechanical Engineering	11/10/2019
One Day Guest lecture on Non Destructive Testing	Mechanical Engineering	10/10/2019
One Day technical talk on HVAC industries	Mechanical Engineering	18/09/2019
Webinar on National Grid Operation under high penetration of renewable.	Electrical and Electronics Engineering	27/06/2020
Seminar on Potential for Entrepreneurship With hybrid vehicles	Electrical and Electronics Engineering	04/11/2019
Webinar on Biofuel - An alternate source of fuel	Chemistry	02/06/2020
Webinar on Immunity vs Covid 19	Physics	26/06/2020

3.2.2 - Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of	Category
-------------------------	-----------------	-----------------	---------	----------

A Comparative Study of Melanoma Skin Cancer Detection in Traditional and Current Image Processing Techniques	Dr.Manjunathswamy B E	International E- Conference on Advances in Informational Technology, Business Management and e- Commerce	award 04/07/2020	International Conference Certificate
--	--------------------------	---	---------------------	--

[View File](#)

3.2.3 - No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Don Bosco Institute of Technology, Bengaluru	Veehan Organics	Mr. Kiran Kumar	Veehan Organics	Programming and Design	01/07/2020

[View File](#)

3.3 - Research Publications and Awards

3.3.1 - Incentive to the teachers who receive recognition/awards

State	National	International
13000	0	468500

3.3.2 - Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Mechanical Engineering (ME)	3
Electronics and Communication Engineering (ECE)	1
Mathematics	1

3.3.3 - Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical Engineering (ME)	16	2.0

[View File](#)

3.3.4 - Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Mechanical Engineering (ME)	14
Civil Engineering (CIV)	5
Computer Science and Engineering (CSE)	24
Information Science and Engineering (ISE)	7
Electronics and Communication Engineering (ECE)	9
Electrical and Electronics Engineering (EEE)	1
Management Studies (MBA)	2
Department of Mathematics	6
Telecommunication Engineering	2
Department of Physics	3

[View File](#)

3.3.5 - Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citation: excluding self citation
Static and Fatigue Analysis on a Wing Spar Joint for a Light Jet Aircraft Structure Using 2024 T351 Material	Pavan G	Applied Mechanics and Materials	2019	0	Don Bosco Institute of Technology, Bangalore	Nil
Tensile Behavior of Aluminium Reinforced with Boron Carbide and	Ranganatha S R	Applied Mechanics	2019	2	Don Bosco Institute	1

Copper Coated Short Basalt Fiber Based Hybrid Composites		and Materials			of Technology, Bangalore	
Role of zirconia filler on mechanical properties and dry sliding wear behavior of glass/basalt hybrid fabric reinforced epoxy composites	B S Kanthraju	Applied Mechanics and Materials	2019	2	Don Bosco Institute of Technology, Bangalore	Nil
Microstructure studies and mechanical characterisation of t6 heat treated aluminium and copper based alloy reinforced with zircon and graphite composite	K. C. Anantha padmanabham	Journal of Engineering Science and Technology	2019	1	Don Bosco Institute of Technology, Bangalore	1

[View File](#)

3.3.6 - h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Tensile Behavior of Aluminium2014 Reinforced with Boron Carbide and Copper Coated Short Basalt Fiber Based Hybrid Composites	Ranganatha S R	Applied Mechanics and Materials	2019	2	1	Don Boscc Institute of Technology
Role of zirconia filler on mechanical properties and dry sliding wear behavior of glass/basalt hybrid fabric reinforced epoxy composites	B S Kanthraju	Applied Mechanics and Materials	2019	2	Nil	Don Boscc Institute of Technology
Microstructure studies and mechanical characterisation of t6 heat treated aluminium and copper based alloy reinforced with zircon and graphite composite	K. C. Anantha padmanabham	Journal of Engineering Science and Technology	2019	1	1	Don Boscc Institute of Technology

[View File](#)

3.3.7 - Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	65	467	159	192
Presented papers	44	13	Nil	Nil
Resource persons	4	5	2	20

[View File](#)

3.4 - Extension Activities

3.4.1 - Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
GO GREEN @ Don Bosco Institute of Technology	Don Bosco Institute of Technology	35	216
5TH International Yoga Day Celebration in our college campus on 21st June 2019	Don Bosco Institute of Technology	30	338

[View File](#)

3.4.2 - Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
GO GREEN @ Don Bosco Institute of Technology	Recognition	NSS, Don Bosco Institute of Technology	216

5TH International Yoga Day Celebration in our college campus on 21st June 2019	Recognition	NSS, Don Bosco Institute of Technology	338
--	-------------	--	-----

[View File](#)

3.4.3 - Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Walkathon for World Alzheimer's Day - 2019 Celebration-NSS	DBIT- Lions club Vijayanagar Bangalore, NIMHANS, Indian Psychiatric Society	World Alzheimer's Day - 2019	21	236
Blood Grouping Camp-2019-NSS	Don Bosco Institute of Technology-Lions club VijayanagarBangalore.SKS Blood Bank, Red Cross, Doctors Technicians.	Blood Grouping Camp	30	605

[View File](#)

3.5 - Collaborations

3.5.1 - Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Student Exchange	Ankita Rani, Rahul Malodhe. S, Yashraj	HACHDORI ROBOTICS	730

[View File](#)

3.5.2 - Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Plastic Injunction moulded components	Jaya precision plastics Bangalore-62	10/07/2019	09/08/2019	Abhishek N

[View File](#)

3.5.3 - MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teacher participated under MoUs
CADD centre RR nagarBangalore	06/07/2019	1. Auto CADD" training program in association with DBSDC CADD Centre, RR Nagar, for 5th sem civil engineering students 2. Workshop on "Auto CADD" in association with DBSDC CADD Centre, RR Nagar. 5th Semester Civil Engineering students	60

[View File](#)

CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
195	143

4.1.2 - Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Newly Added
Class rooms	Newly Added
Campus Area	Existing
Classrooms with Wi-Fi OR LAN	Newly Added

Seminar halls with ICT facilities	Existing
Video Centre	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added

[View File](#)

4.2 - Library as a Learning Resource

4.2.1 - Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Koha-Open Source (OPAC http://61.12.77.19)	Fully	19.11.09.000	2020

4.2.2 - Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	39335	13973998	1870	971907	41205	14945905
Reference Books	4715	2196082	321	270373	5036	2466455
e-Books	13139	588780	11111	Nil	24250	588780
Journals	67	124548	71	93543	138	218091
e-Journals	5300	200000	2061	100000	7361	300000
CD & Video	2148	17280	Nil	Nil	2148	17280
Library Automation	1	10000	1	25000	2	35000
Weeding (hard & soft)	Nil	Nil	105	26473	105	26473
Digital Database	7	3681000	7	2140000	14	5821000

[View File](#)

4.2.3 - E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Anguraja.R	Power System Operation and Control(15EE81)	IMPARTUS, ZOOM	01/04/2020
Dr. W M Sivakumar	Renewable Energy Resources (10EE836)	IMPARTUS, ZOOM	01/04/2020
Dr. P K Prakash	Sensors and Transducers (15EE662)	IMPARTUS, ZOOM	01/04/2020
Sulochana I Akkalkot	Smart Grid(15EE831)	IMPARTUS, ZOOM	01/04/2020
Sharmila R S	Power Generation and Economics (18EE42)	IMPARTUS, ZOOM	01/04/2020
Padmashree V Kulkarni	Computer Aided Electrical Drawing (17EE651)	IMPARTUS, ZOOM	01/04/2020
Vishwanath	Operation Research	Youtube	06/04/2020
Vishwanath	Engineering Graphics	Youtube	18/05/2020

[View File](#)

4.3 - IT Infrastructure

4.3.1 - Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Other
Existing	997	852	30	30	20	30	35	100	0
Added	25	25	0	0	0	0	0	4	0
Total	1022	877	30	30	20	30	35	104	0

4.3.2 - Bandwidth available of internet connection in the Institution (Leased line)

104 MBPS/ GBPS

4.3.3 - Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
EAS	https://videos.dbiteas.com
Impartus	https://a.impartus.com/ilc/#/video/id/3394481
Microsoft Teams	https://teams.microsoft.com/

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
160	187	145	157

4.4.2 - Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

We have a centralized maintenance department for the entire campus with full-time salaried employees and the expenditure is a part of the income-expenditure account. Infrastructure: • The Institute has a separate section looking at maintenance activities like cleaning and maintenance (civil, electrical, water, gardening, AC maintenance) and housekeeping to preserve the whole campus with committed groups. • The agencies for housekeeping, security, and cleanliness are outsourced to meticulously maintain hygiene, cleanliness, and infrastructure on the campus to provide a pleasant learning environment. Housekeeping services are regularly executed and monitored. • The Green Cover of the campus is well maintained by a full-time gardening team. • Monitoring and maintenance of Generator, Air Conditioners, CCTV cameras, and Water Purifiers are done periodically. • The water source is provided by submersible pumps ensuring the constant supply of water to college and hostel campus. • The college has trained in house electricians and plumbers. • The engineers frequently visit all buildings for inspection. • The parking facility is well organized for both students and staff which is efficiently maintained by annually renewed contract employees. • The campus maintenance is monitored through surveillance Cameras. • Other Facilities under annual maintenance are as followed: • RO purifier • Reprographic Facilities • Fire extinguishers • Air Conditioners Academic facilities: • The classrooms are well equipped with projectors. • To pledge the e-learning, Institution also provided the classrooms with video capturing facilities. • Periodic reporting on requirements of repairs and maintenance are submitted by the HODs to the Administrative office. The requirements are collectively processed at the end of every semester to keep things ready for the next academic year. • The non-teaching staff is also trained in regarding the maintenance of equipment concerning their discipline. • At the end of every year, proper inspection, and verification of stock are accomplished. Library: • The central library regularly monitors the condition of the library stock, collection, issue, and maintenance of the books. A yearly book audit is conducted across all faculties and departments. we also have libraries at department levels, that permits students to refer. Sports: • The college stimulates sporting attention among the students by crafting outstanding infrastructure for sports. All sports activities at the institutional level, as well as university level, are carried out by the physical education department. Institution has established a National Standard Cricket Ground. Transport facility: • The College has a special transport section, which not only takes care of regular transport schedules but also for many educational drives. There are 14 vehicles including buses, cars for the usage of students and the faculty. Electrical Maintenance of Generator, UPS, Batteries: • Monitoring and maintenance of electrical equipment such as Generator, UPS and Batteries are done periodically by in-house electricians and AMC servicing agency. Equipment: • Every end and the start of the semester all the labs and facility of the department checked for smooth conduction of the laboratory classes. Immediate steps will be taken for urgent repair work.

https://donboscoit-my.sharepoint.com/:b:g/personal/iqac_dbit_co_in/EWEIxm3d001Pkz9RJZ1SSH0BxvamHqwjn5ZjdSZKMO7LIA?e=yckl6a

CRITERION V - STUDENT SUPPORT AND PROGRESSION**5.1 - Student Support****5.1.1 - Scholarships and Financial Support**

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	DBGI Scholarship	76	1641000
Financial Support from Other Sources			
a) National	KARE Scholarship	1496	36614445
b) International	NA	Nil	0

[View File](#)

5.1.2 - Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
SOFT SKILLS TRAINING PROGRAM	21/08/2019	1284	PRIMO INC

[View File](#)

5.1.3 - Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed

		competitive examination			
2019	Interview Skilled Training with Career Guidance by M/s SEVENTH SENSE	623	623	Nil	259
2019	GATE and Job Opportunities	199	199	2	38
2019	One day hands on session on AWS Educate Cloud Literacy and Sales Force	130	130	Nil	41
2019	One day seminar on GATE and Job Opportunity	303	303	Nil	108
2020	Career guidance seminar by RICS School of Built Environment	Nil	42	Nil	Nil

[View File](#)

5.1.4 - Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 - Student Progression

5.2.1 - Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
MINDTREE	118	3	COGNIZANT	35	20

[View File](#)

5.2.2 - Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	7	BE	CV	SJBIT, GCE, DSCE, UVCE, EWIT	MTECH, ME
2019	6	BE	ECE	University Of Applied Science , Hochschule Bremerhaven, University Of Adelaide , University Of Adelaide , Indraprastha Institute Of Info Tech, Ramaiah Institute Of Technology, Rv College Of Engineering, Banglore Institute Of Technology	ME (ESD) ME (ELECTRONIC ENGG) ME (ELECTRONIC ENGG) M.TECH (ECE) M.TECH (DEC) M.TECH (MCS) MTECH (VLSI)
2019	4	BE	EEE	PES university, Banglore MSRUS, Banglore	MBA M.Tech
2019	5	BE	ISE	NIE	M.Tech
2019	6	BE	ME	Ramaiah University Manipal University RVCE Banglore	M Tech (Automotive Engg) M Tech (Automation Engg) M Tech (Machine DESIGN ENGINEERING)
2019	7	BE	CSE	Texas	MS Computer Science

[View File](#)

5.2.3 - Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	Nil
SET	Nil
SLET	Nil

GATE	5
GMAT	Nil
CAT	Nil
GRE	3
TOFEL	1
Civil Services	Nil
Any Other	15

[View File](#)

5.2.4 - Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Athletic Meet	Institution Level	780
VISMAY 2019-20	Institution Level	1013
One Student One Tree	Institution Level	243
Sports and Club	Department Level	545
Law School	Institution Level	20
Soft Ball - Men Women	Institute Level	272

[View File](#)

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Silver Medal	National	1	Nil	1DB15EE010	Gaurav. S Team

[View File](#)

5.3.2 - Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Don Bosco Institute of Technology creates a platform for the active participation of student representatives in various decisions making, academic and administrative committees. This enable them in acquire better academic environment. Student opinions and suggestions are considered to take measures in view of students perception. Institute puts efforts for the all-round development of a student. Different student committees are explained below. Class Committee: The main objective of the committee is to improve the teaching learning process. It consists of HOD, faculty handling the particular section and student representatives in each class. They discuss the conduct of class work, delivery of lecture and overall discipline .The Class Committees provide feedback on all aspects of the programme. Class Committee Meetings are held regularly, at least twice in each semester. Readers Forum: The purpose of this forum is to create an opportunity for students to become enthusiastic and enthralled with the wonderful world of literature technical knowledge. Cultural Committee: The institution conducts annual cultural Fest VISMAYA, Kannada Rajyastova through Cultural committee. From all departments, student's representatives will be the members of Core committee. They will help the faculty in charge in organizing these events. NSS Committee: Students contribution to the society is significant and DBIT students always show their concern in this regard. There is a NSS unit in the institution and volunteers of this committee will organize programs like NSS Camps, Swatch Bharath, Blood donation, rural health, sanitation and environmental awareness camps in the neighboring areas as a social responsibility. Sports Committee: Every year, Annual Sports meet and inter university sports will be organized .Student volunteers will help physical Education Director in organizing team events and Individual events. Anti ragging Committee: Student representatives will play a major role in informing ragging cases, helping to create harmony and to curb ragging. Anti sexual harassment Committee: Girl students and Lady Faculty will be the members of this Committee. The student members of the committee will report about any harassment issues to the concerned Committee coordinator for further action Grievance Committee: Any type of Grievances regarding common facilities or academic related issues will be brought to the notice of the concerned by the student members of this Committee. Regular interactions are scheduled through meetings. If any grievances are reported, then faculty member who is the Coordinator of this committee will bring it to the notice of higher authorities. Further, the matter will be resolved soon through follow ups. Hostel Committee: They play major role regarding food quality, hygiene and other general facilities. They voluntarily monitor day to day activities and bring to the notice of the warden immediately. Organization of Special Events: Students organize and celebrate Independence Day, Republic Day, Engineers Day and the National Teachers Day. Department Association: Department Students Association council actively involved to organize various technical events for their own department students and other college students like

inviting the external guest speakers and organizing the Seminars Workshops. They also take part in various professional society chapters like IEEE and ISTE.

5.4 - Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

Yes

Yes, The institution has a vibrant Alumni Association established in the year 2012 bearing RegNo: DRB - N /SOR/159/2012-13, with the mission to create and maintain a lifelong connection between the institute and its alumni. It arranges activities and major contributions for institutional, academic and infrastructure development. The alumni of DBIT are engaged in different areas like Engineering, Business and Government organizations. Few are entrepreneurs and many are pursuing higher studies in reputed Universities in India and abroad. Joining DBIT Alumni Association is one of the easiest ways to reconnect, give back to the institute and serve as a spring board for further involvement. The DBIT Alumni Association is a hub of activities for the positive outcome of all stakeholders. It is a front-runner to ensure the comprehensive growth. List of Operations / Activities arranged regularly • DBITAA maintains regular contact with its alumni through various communication channels such as Telephonic Calls, E-Mails, Exclusive Telegram Group and the New Alumni Portal. This in turn helps us to maintain the updated database of the alumni which is a powerful source of connections to connect to the bright minds of the MultiNational Companies • The primary objective of the Telegram Group is to strengthen the interpersonal relations of the alumni and build an ecosystem to help each other for career opportunities. • Bi-annual alumni meet called MILAN (Season - I) and MILAN (Season - II) effective from the calendar year 2019. (Season - I) is an exclusive event to pool only platinum batches graduated during 2005-2012 (8 batches) held largely during the month of January. On similar lines, (Season -II) is another exclusive event for the rest of the batches. Each department in collaboration with DBITAA arranges in-house events such as panel discussion, expert talk by alumni to boost alma mater - alumni relations under the banner of their chapters and to prepare themselves for careers in an environment of global competition. • Regular Association meetings of the executive committee and office bearers are organised to take stock of the ongoing processes. It also helps alumni to learn about college programs, progress, concerns and issues. • The alumni also support the departments to achieve self-sufficiency in terms of providing Internships, Seminars, Training sessions to the Students and Placements to the recent Graduates. • The signing of MOUs with corporates to enhance industry-institute interactions. • The corporate mentoring platform called BANDHAN provides one-one corporate mentoring to the students seeking the help of their seniors in the areas of placement, higher studies, competitive exams etc. • The Business Summit for entrepreneurial alumni is in cards to assist the alumni boost their business post COVID by creating an ecosystem of sustained networking.

5.4.2 - No. of enrolled Alumni:

749

5.4.3 - Alumni contribution during the year (in Rupees) :

749000

5.4.4 - Meetings/activities organized by Alumni Association :

8 Meetings and 16 activities

CRITERION VI - GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The Institution believes in decentralization practices and participative management at different stages described as follows. The Principal of the Institute will take the inputs from HOD's, Administrative Head and coordinators of various committees in decision making process of the Institute. All staff members including both Teaching and non-teaching staff members take the complete responsibility and work for smooth completion of the administrative activities. Operational autonomy is given to the following units of the college. • Governing Council. • Committees constituted by staff members. • Departments under their respective Heads. Governing Council (GC): GC of the institution comprises of honorable members of the management, academicians, industrialists, the Principal, senior professors, parents, alumni and student representatives. GC meeting is held twice in a year and the council is involved in every decision for the betterment of the institution. In-charge Principal: Shares the responsibility of the Principal and is the acting authority in his absence. Internal Quality Assurance Cell: IQAC is designed and working as per NAAC guidelines. It includes representatives from teaching non-teaching staff, Alumni of DBIT. IQAC has a well-developed process to ensure quality benchmarks of academic and administrative activities. Financial Head: Appointed by the Principal on approval of the Governing Council. He supervises the various financial matters related to the college. Head of the departments are empowered to prepare budget for their department. Finance Head will discuss in detail along with the Head of facility department, accounts department, HOD's and then take collective decision in presence of Principal before approving the budget. Examination Section: It is led by a senior staff member of the examination committee which is responsible for smooth conduct and supervision of semester end examinations of the institution. Nodal Officer: Responsible for collaborating with government agencies and civil authorities on

behalf of the college. He acts as a Public relations Officer of the college. Admission department gives wide advertisement about the institution under the supervision and guidance of the nodal officer. Empowering staff centered practices: The Institution policy believes involvement of all staff in decision making and implementing the decentralized decision policy. To streamline the same, various committees at Institute level are formed which look after academic and administrative activities which lead to the realization of vision and mission of the Institute. Institute follows recruitment and service policies as per the rules and regulations of regulatory authorities. Fair representation of women faculty is also ensured at all levels of organization and congenial environment is fostered. Empowering students centered practices: Through Choice Based Credit System, students are given freedom to choose the elective courses. Students have freedom to transfer credits earned through online courses like NPTEL Courses, etc., Students have freedom to give their inputs in the highest decision making bodies like Academic council, Internal Quality Assurance Cell, Alumni cell and Board of Studies. Students also have freedom to organize the technical symposiums, co-curricular and extracurricular activities. Student's surveys and feedback play vital role in framing and revising academic policies of the institution.

6.1.2 - Does the institution have a Management Information System (MIS)?

Yes

6.2 - Strategy Development and Deployment

6.2.1 - Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Industry Interaction / Collaboration	Industry Institute Interaction Cell instituted in the campus consists of coordinators from different departments. The Principal and RD Dean and Director are associated with the cell and guide the activities strategically. The institution has a strong association with industrial, academic and research establishments. This has resulted in setting up of Industry based labs, publications in association with industrial experts, Consultancy Projects, internships to both UG and PG students, industry-based electives, training programs by faculty to industry representatives, expert lectures by industry experts, industry visits. The industrial experts are also involved in Academic Council and Board of Studies of various departments. The institute and faculty members are also associated with national and international professional bodies.
Human Resource Management	Human resource management in education is very important. Staff of education institution play a very important role in the growth of students by helping them building their careers. They help the students to achieve their educational goals and consequently, national development. Human resources are the key to rapid socio-economic development and efficient service delivery. All education system at every level depends heavily on the human resources for execution of its programme. The function of human resource management in education includes staff maintenance, staff relations, staff development and procurement of staff and job performance rewards. Both teaching and non-teaching staff members equally contribute to the overall growth of the students and the institution.
Examination and Evaluation	There is a complete transparency in the examination system by university and institution by providing Internal Squad to restrict malpractice. Evaluation of internal assessments for 40 Marks through continuous assessment includes internal tests, Assignments, surprise tests and quiz. Semester End Examination for 100 Marks which is then reduced to 60 Marks by the university. Detailed scheme of evaluation is given for valuation. The students are given opportunity to review their answer script after the results and they can apply for reevaluation. A designated facility for printing and internet facility of 4MBPS for university question paper downloading has been provided.
Teaching and Learning	Don Bosco Institute of Technology flaunts unique but prominent infrastructures to offer complete learning practice for students and faculty. Most of the class rooms are furnished with projectors and smart equipment. The other elements of infrastructure such as seminar halls, auditorium and conference halls offer out-of-the classroom learning experience. The laboratories are well fortified with the aim to focus on providing excellent hands-on experience. Research laboratories are available to push research curiosity in students and faculty members to take up more projects. There are 997 computers on campus including 10 servers. The internet bandwidth is 104 Mbps. The Student Computer ratio is 1:3 and computers with internet facility. Each department has separate computer laboratories with appropriate software packages. All hardware and software packages are updated depending on requirement basis. A National International workshop Conferences are conducted to enhance the knowledge of students in the area of new innovation to minimize the gap between industry curriculum. The central library has all study materials, books, e-Journals/e-Books and digital contents. A significant amount of the annual budget is utilized for procurement of books, e-Journals, print-Journals and periodicals. The facilities of the library include: Online Public Access Catalogue (OPAC), Current Periodical Display, Institutional membership, NPTEL videos, course material, University question papers of past years etc. Most of these facilities are available in intranet to facilitate the students faculty to achieve academic excellence.

Curriculum Development	Aspects of curriculum process such as policy, analysis, objectives, content, evaluation methodology and implementation. Engineering education research is on the agenda for the improvement of higher engineering education and the development of strategies for solving important issues for the future of engineering education. Teachers are the most influential factor in the Education change. The research program of CDEI focuses on curriculum innovation by analyzing the process of designing curricula by communities of teachers, by identifying structures of participation of teachers and other practitioners in these communities, and by empowering teachers in their professional development
Research and Development	RD Centre of the Institute encourages the staff to attend conferences, Publish Papers Books, Project writing, and Patent filing by providing funds. Institute conducts workshops and conferences regularly to create research awareness. Institute is having 10 VTU approved R D centres. For the AY 2019-20, more than 10 funded mini projects from different agencies and organizations for students, 134 publications in indexed journals, 1 patent and 1 Book chapter. RD centre is having the following active units: IPR Cell, ED cell, Incubation Centre with 06 startups, 27 MOU's, Bio-Diesel Unit, Solid Waste Management in the Campus
Library, ICT and Physical Infrastructure / Instrumentation	The central Library has adequate no. of books, reference books. Library offers internet service to students and staff. There are no Specified hours for internet usage in the library. A knowledge portal 61.12.77.22 (OPAC) is being maintained by the librarian for the benefit of student and staff and also e-resources such as NPTEL, EDUSAT, E-Learning etc, the institution provides teachers with ICT tools for effective teaching such as www.impartus.com Description of Library • Name of the ILMS software: Libsoft • Nature of automation (fully or partially): Fully • Version: Version 9.8 • Year of Automation: 2002 Note: Planning to Implement Koha software for library automation
Admission of Students	The admission process is highly transparent and the students are admitted according to Karnataka Government Norms by counselling through single window system for Government seat allotment. Candidate has to fulfil the Karnataka Common Entrance Test (KCET) eligibility criteria in order to take admission through KCET COMED-K counselling. Eligibility criteria will be released by the Karnataka examination authority. The college strictly follows the reservation policies of Government. Management seats are filled through management entrance test (MET) for all the interested eligible candidates following the rules of admission department of the institution. The management seats are than allotted according to the merits in MET.

6.2.2 - Implementation of e-governance in areas of operations:

E-governance area	Details
Finance and Accounts	Accounts section was using Tally accounting software and now updated to Tally ERI 9. Activities carried out using Tally software are: a) Bills, vouchers and vendors payment through Cheque printing entry b) Cash Book maintenance c. ledger Maintenance d. Fee Collection entries e. Bank reconciliation statements etc. Following tasks is achieved using Microsoft excel: a) Budgets and Utilisation Preparation, b) income and expenditure data c). Balance sheets other MIS reports etc. TDS deduction, payment and uploading are through Saral TDS software. Student Fee and staff Salary is processed through AIMS and Saral Payroll. Accounts department prefers Digital payment for all financial activities.
Examination	Continuous internal examination (CIE) is conducted according to the calendar of events of the institution and the marks will be sent to university (VTU). CIE marks will be available in the EAS portal. The semester end examination is carried out inside the institution following the guidelines and time table of the University. Examination filing and hall tickets generation is done through university portal (www.vtu.ac.in). Examination section will take care of duty allotment and seat allotment according to VTU guidelines. All the examination halls are under CCTV surveillance. Semester end examination results will be announced by university.
Student Admission and Support	Student admission data base is maintained through both EAS software and Microsoft excel in the admission Department. An orientation program is conducted for newly admitted students to explain them about the academic and administrative activities. To ensure the success of the students in academics, the college monitors the academic progress of the students through regular Mentoring system, by implementation of teacher-guardian scheme where the student performance, counselling and guidance are recorded and maintained to understand the progression of the students with the assistance of counselling centre. Institution has Women Empowerment Cell, Anti-ragging Committee and Disciplinary Committee for student security.
Administration	The details of appointments, relieving, increments, promotion, leave without pay, staff attendance, allowances or deductions related to staff will be received from administrative section. Service record of teaching and non teaching staff is maintained. Student administration software is being used for recording and maintaining the student data. Separate Hostel Management, Controller of

Examination Office, Library, Alumni office etc. are monitored and maintained by the respective committee heads.

Planning and Development

EAS software is used for academic planning involving various activities as outlined in section 6.2.1. Feedback of students is used to improve the teaching learning process and develop new methodologies. Student data is maintained online, each student can view their academic data through out the year. Student administration software is being used for recording and maintaining the student data. Service record of teaching and non teaching staff is maintained. Separate Research and development cell, Entrepreneurship development cell and many Memorandum of understanding with reputed companies institutions are maintained for the betterment of the institution.

6.3 - Faculty Empowerment Strategies

6.3.1 - Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Manjunath G	FDP ON IOT BASED PROJECT DESIGN AND DEVELOPMENT ORGANISED AT BNMIT BANGALORE	NA	2000

[View File](#)

6.3.2 - Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participant (non-teaching staff)
2019	FIVE DAYS FDP ON OUTCOME BASED EDUCATION	Nil	29/07/2019	02/08/2019	80	Nil
2019	Nil	Communication at Workplace	11/01/2020	11/01/2020	Nil	76

[View File](#)

6.3.3 - No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Five Days FDP on " OUTCOME BASED EDUCATION" DBIT, Bengaluru	32	29/07/2019	02/08/2019	5

[View File](#)

6.3.4 - Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
18	18	12	12

6.3.5 - Welfare schemes for

Teaching	Non-teaching	Students
Provident fund, Gratuities, Concessional Transportation facility	Employment State Insurance, Gratuities, Concession in Transportation facility	Group Medical Insurance, Concessional in Transportation facility

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal Audit: We have our own internal audit mechanism where internal audit is an ongoing continuous process in addition to the external auditors to verify and certify the entire income and expenditure and the capital expenditure of the institute each year. Qualified accounts staffs have been permanently appointed and a team of staff under them does a thorough check and Verification of all vouchers of the transactions that are carried out in each financial year.

External Audit: an external audit is also carried out on an elaborate way on statutory requirement basis. The Institutional accounts are audited regularly by our statutory auditors. So far there have been no major findings / objections. Minor errors of omissions and commission: when pointed out by the audit team are immediately corrected / rectified and precautionary steps are taken to avoid recurrence of such errors in the future. The institute regularly follows accounting standards and financial audit system. From the financial year 2017-18, most of the cash transactions are stopped, and E Payments are introduced.

6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
DBIT Management	6119500	Setting up of IoT for traffic management

[View File](#)

6.4.3 - Total corpus fund generated

83279529

6.5 - Internal Quality Assurance System

6.5.1 - Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	LIC/NBA / NAAC	Yes	IQAC
Administrative	Yes	LIC/NBA/ NAAC	Yes	IQAC

6.5.2 - Activities and support from the Parent - Teacher Association (at least three)

• Induction Programme is conducted for 21 days in 2 phases. Parents are invited for the inauguration of the Induction programme. • Parent - Teacher Meeting is conducted by each department on regular basis. In the Pandemic situation online Parent teachers meetings are conducted. • Distinction Award Ceremony is conducted every year. Meritorious Students and their Parents are invited for the ceremony. Meritorious students are awarded with Silver Medals. Rank holders are awarded with Gold Medals. Faculty achieving Ph. D degree during the year are honoured. Faculty achieving 100 result in their subject are recognised. • The mentors monitor the progress of their mentees. Mentors keep in contact with the parents and the students. The mentors recognise the strength, weakness, opportunity and threats (SWOT) of the students. The mentors regularly counsel the students and parents on personal matters as well as academics.

6.5.3 - Development programmes for support staff (at least three)

Six development programmes were conducted for support Staff. • International Yoga Day Celebration for teaching, non-teaching and students on 21/06/2019 • Machine Learning Using Python on 23/06/2020 • One-day workshop on Communication at workplace on 11/01/2020. • Faculty Development Programme on "Entrepreneurship" from 24 February to 8 March, 2020 • One Day Workshop on Analog Digital Circuits on 19 September 2019 • One Day Workshop on Usage of Word Excel for Technical Staff on 2 March 2020

6.5.4 - Post Accreditation initiative(s) (mention at least three)

• Incubation Centers, 06 Start ups, are initiated. • Seed money is sanctioned by the management grew exponentially to carry out research activities. • 27 MOUS have been established. • IPR Cell was established. • Entrepreneurship and Development cell was established. • Tremendous encouragement was initiated to apply for patents and publications of research articles • Enhancement of number of Skill Development Programmes. • Establishment of Centre of Excellence like Kuka Robotics, PLCM Training Centre. • Our Institution was recognized as an Examination centre for many Exams like AIIMS, SYNDICATE BANK EXAMS, AMIE, COMED K, UGC-NET, IIM-CAT 2019, IIT-JEE, JEE-Advance, GATE, SPELL-BEE, IBPS-INSTITUTE OF BANKING PERSONNEL SELECTION exams and many other online and offline exams.

6.5.5 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	Yes

6.5.6 - Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participant
2020	Webinar on machine learning and application	04/06/2020	04/06/2020	04/06/2020	300
2020	Webinar on road map for AI and Professional	05/06/2020	05/06/2020	05/06/2020	290
2020	Internet of things value chain	30/06/2020	30/06/2020	30/06/2020	154
2020	Application of Statistics to Artificial Intelligence	18/06/2020	18/06/2020	18/06/2020	206
2020	Application of Reliability Theory to Shock Models	20/06/2020	20/06/2020	20/06/2020	82
2020	Workshop on IPR	26/02/2020	26/02/2020	26/02/2020	60
2019	FDP on OUTCOME BASED EDUCATION	29/07/2019	29/07/2019	02/08/2019	80

2020	Five days FDP on OUTCOME BASED EDUCATION and NBA Accreditation	27/01/2020	27/01/2020	31/01/2020	165
2019	Two Days National Workshop on IPR	30/01/2019	30/01/2019	31/01/2019	22

[View File](#)

CRITERION VII - INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Creating Women Leaders of tomorrow	12/03/2020	12/03/2020	272	1
Women empowerment focusing on entrepreneurship	09/03/2020	09/03/2020	231	1
Women Rights Under Constitution	06/04/2020	06/04/2020	226	1

7.1.2 - Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
7.21 Percentage

7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	No	Nil
Rest Rooms	Yes	2
Scribes for examination	No	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	Yes	2

7.1.4 - Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	14/08/2019	1	One Student One Tree	Initiative taken for One Student One Tree Program	243
2019	1	1	21/09/2019	1	World Alzheimers Day	To Create Awareness Among Old Age people	236
2019	1	1	07/12/2019	1	Awareness and Training programme on Banking and Digital Transaction for Rural Population	To Create Awareness on Digitalization How to Use ATM	76
2020	1	1	05/06/2020	1	Go Green	To Promote Environmental Awareness	216

[View File](#)

7.1.5 - Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Service Rules	01/04/2019	The Purpose of the code of conduct is to provide a clear framework within which students, teaching and non-teaching staff at the Don Bosco Institute of Technology are expected to conduct themselves. Individuals can use these guidelines in their everyday interactions with their colleagues and subordinates to refer to the guidelines if an ethical dilemma occurs. We strive to maintain a harmonious and healthy work environment with honesty, integrity and respect at all levels. This code covers some of the most

important issues relating to conduct, and gives a framework of standard and behaviour guidelines. These guidelines are not exhaustive and are subject to amendments from time to time

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participant
Involve to Evolve	04/02/2020	04/02/2020	140
Communication at workplace	11/01/2020	11/01/2020	76
Universal Human Values-Lecture on Time Event Management	10/02/2020	10/02/2020	252
Ethics Human Values for Professionals	24/02/2020	24/02/2020	216
Professional Etiquettes	30/08/2019	30/08/2019	252
Social Service Program-Help age India	07/12/2019	07/12/2019	56

[View File](#)

7.1.7 - Initiatives taken by the institution to make the campus eco-friendly (at least five)

Solid Waste Management The main source of solid waste is 1. Food waste generated from canteen and mess. 2. Sanitary waste. Food waste generated from canteen will be collected and composted in the campus and other waste such as paper, plastic etc is generated in various forms in various places is collected throughout campus in centralized form then the waste will be sent through municipality waste management for safe disposal of solid waste. Sanitary waste throughout the campus collected and all necessary precaution is taken and sent to the Septic tank to decompose the solid waste in a scientific manner and safe disposal. **LIQUID WASTE MANAGEMENT:** We have a sewage treatment plant since 2015 with a capacity of 120 KLD in our campus. The waste water which is generated from Laundry, kitchen, canteen, Toilets etc throughout the campus is been collected at the centralised system of the sewage treatment plant. The collected liquid waste water has been treated by means of various steps to make potable water. After the treatment water has been recycled for the cultivation of plant and to maintain greenery in the campus. The sludge which is left after the treatment is used as fertilization of plants and also using for research purpose how to make effective use of waste in agricultural purpose to make benefit in term of environmentally friendly. A prototype biogas plant of 1000 liters is installed in the campus for demonstration projects on renewable energy form. It has been proposed to make effective use of waste water in flushing toilet in the current year. **BIODIESEL PRODUCTION** Vegetable oil undergoes a transesterification process to become biodiesel. Alcohol and a catalyst are added to separate the fuel from the bi-products. Methanol (alcohol) and sodium hydroxide (catalyst) are added to the raw oil and the chemical reaction (transesterification) yields biodiesel and glycerine. Glycerine, the heavier of the two bi-products, sinks to the bottom of the mixing tank and can be used for manufacturing soaps and other pharmaceuticals. Some alcohol can be recovered and reused. **E-Waste** generated and disposal Old and obsolete computers, printers and other equipment which are discarded by the department after complete inspection and verification by the hardware engineers from EDP are sent to the central store, to store the electronics equipment and computer. Salvageable parts are reused in other defective systems and making it in working condition, then thereafter those computers and equipment are sent to schools of DSI and other organizations for further use. Remaining parts of the equipment are outsourced through vendors as scrap material for further e-waste management through buy back arrangement by the EDP. **RAIN WATER HARVESTING STRUCTURES AND UTILIZATION IN THE CAMPUS** **PRODUCTION OF BIO-FERTILIZERS USING ORGANIC WASTE AT DBIT CAMPUS** Initiatives taken to produce organic manure for gardening by collecting the organic waste which is generated in the Campus.

7.2 - Best Practices

7.2.1 - Describe at least two institutional best practices

1. Mentoring System: The Mentoring System has been introduced in Don Bosco Institute of Technology with the main objective of providing supportive care and counsel to students in their academic and personal problems. This system helps the students complete their studies comfortably and successfully. The Mentoring system is used to continuously and regularly monitor the academic progress of the students and to rectify their problems. The college encourages parents to be in regular contact with the Mentor/Chief Mentor/HOD/Principal. All the students of this college will come under the mentoring system which envisages a personal and intimate relationship between teachers and students. The mentors will act as parent substitutes during the academic hours in the life of the students in college. A Mentor will be allotted with 30 students of a class. **OBJECTIVES** • To inspire a healthy relationship between the teacher and student. • To eliminate any indiscipline among the students. • To improve the overall academic performance in the Examination. • To give students a measure of self-confidence. • To maintain discipline in the Institute ensure Institute rules are understood and followed • To keep an eye on the general moral behavior of the students • To prevent the student from indulging in any political activities on Institute premises. **MENTORING PROCESS** • The Mentoring Process is a supportive process, wherein the Chief Mentor heads the system with the guidance of Principal. Each department has a deputy chief Mentor and all the faculty members act as Mentor. • Each Mentor is allotted around 25 to 30 students. • The mentor acts as a local guardian helping to solve the academic and administrative problems faced by respective wards, and would help in solving personal problems, if any. • The mentor maintains a Student Information Record (SIR) for

who are new to teaching receive training in pedagogical techniques of instruction, as well as in-house FDPs, and are taught how to use the lecture period of 60 minutes productively. 5. Developing character and perseverance in our students so that they may pursue and thrive in science, engineering, and technology. 6. The institute has consistently implemented a wide range of add-on and certificate courses, as well as training courses that have the potential to market to our students. 7. The institute has various Memorandums of Understanding (MOUs) with reputable educational institutions and corporates to provide these courses. 8. The industry-academy interaction has served as a catalyst in supporting the college mission. The range of skills-based courses, their results, and student feedback, as well as industry collaborations, are hallmarks of the undergraduate institution in this area. Students and faculty members earn certificates online on platforms such as SWAYAM / NPTEL / MOOCs / COURSEERA.

Provide the weblink of the institution

https://donboscoit-my.sharepoint.com/:f:/g/personal/iqac_dbit_co_in/Ei0furSHPpxEsh6RK7lNrTsBROONF8HsKb3pwpV8KWlyLg?e=2917r9

8.Future Plans of Actions for Next Academic Year

a. Up-gradation of existing laboratories and purchase of equipment to promote student projects and research activities of faculty members. This plan has been initiated at the beginning of session 2019-2020 and some equipment has been already purchased. b. To enhance research efforts by publishing high-quality papers, obtaining patents, and providing consulting services. c. Office automation to ensure an updated data management system in the college. Office automation has been planned to include an online archiving of student, faculty and staff database with necessary details. Information related to financial assistance such as scholarships, fellowships is also planned for digital archiving. Complete digitization of the college library is also planned. The online feedback system is planned to be introduced from the academic session 2019-2020, the results of which will be analyzed by the IQAC. The college also aims to sincerely address the issues highlighted in the feedback reports d. Participation in NIRF Ranking, AIIRA Ranking, Establishment of IIC, Promotion Establishment of Start-ups, Establishment of IPR, Establishment of Entrepreneurship Development Cell, Collaboration with industry to bridge the gap between Academy Industry. e. Organization of workshop, seminar, and job-oriented services by the Career Counselling and Placement Unit. The college plans to organize job interviews by local companies and organize interactive sessions of final year students with skilled professionals and alumni. f. To get NBA accreditation in the Tier-1 category for all undergraduate programs. g. Organization of seminars and workshops by the IQAC to promote the quality improvement strategies in teaching-learning, research, extension related, and co-and extracurricular activities. IQAC is also planning to publish a handbook on quality assurance in this context for wide circulation. h. Encouraging faculty members to complete their doctoral degrees and to continue research activities through quality publications and research projects. i. To Establish the NCC unit to inculcate the Discipline and to build confidence gain leadership qualities, learn to take pride in them and training also strengthens the spirit of being an Indian