



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1. Name of the Institution

DON BOSCO INSTITUTE OF TECHNOLOGY

• Name of the Head of the institution **Dr. Sudhakar S. Mande**

• Designation **Principal**

• Does the institution function from its own campus? **Yes**

• Phone no./Alternate phone no. **02268878700**

• Mobile no **9867285270**

• Registered e-mail **dbit@dbit.in**

• Alternate e-mail **principal@dbit.in**

• Address **Premier Automobiles Road Opp.
HDIL Premier Exotica,**

• City/Town **Mumbai**

• State/UT **Maharashtra**

• Pin Code **400070**

2. Institutional status

• Affiliated /Constituent **Affiliated**

• Type of Institution **Co-education**

• Location **Urban**

- Financial Status **Self-financing**
- Name of the Affiliating University **University of Mumbai**
- Name of the IQAC Coordinator **Dr. Amiya Kumar Tripathy**
- Phone No. **02268878701**
- Alternate phone No. **02268878701**
- Mobile **9833029544**
- IQAC e-mail address **amiya@dbit.in**
- Alternate Email address **iqac.dbit@gmail.com**

3. Website address (Web link of the AQAR (Previous Academic Year)) <https://www.dbit.in/aqar.html>

4. Whether Academic Calendar prepared during the year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: <https://www.dbit.in/academic-calendar.html>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B++	2.87	2019	28/03/2019	27/03/2024

6. Date of Establishment of IQAC **17/07/2017**

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

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NA	NA	NA	NA	NA

8. Whether composition of IQAC as per latest NAAC guidelines **Yes**

- Upload latest notification of formation of IQAC [View File](#)

9.No. of IQAC meetings held during the year **2**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report No File Uploaded

10.Whether IQAC received funding from any of the funding agency to support its activities during the year? **No**

- If yes, mention the amount

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

The IQAC has planned and executed the Academic Audit to monitor and improve the quality of the teaching learning.

Regular meeting with the NAAC Committee to analysis and identify the areas of improvement for the 2nd cycle.

(Innoquest) Mini - project exhibition was conducted to showcase the projects developed by Third year engineering students. The judges for the exhibition were recruiters and industry experts, who not only judged the project but also mentored them.

Document review and internal audits were conducted as part of the ISO 9001:2015 recertification planning.

12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Planning of Academic Audit for 2022 - 2023	Academic audits has helped to identify the strengths and weaknesses of DBIT's academic programs. It has also helped in assessing individual academic programs to determine if they are meeting University and Industry requirements.
Plan to capture the data related to students' going for higher studies and placement	There is satisfactory improvement in capturing data of the students going for higher studies and placement.
Plan to conduct InnoQuest (Mini-Project) Exhibition	This helps the students to move towards developing better final year project which solves real-life problem. This has improved the ability to design the solution using design thinking and empathy.
Preparation for ISO 9001:2015 Re-certification	The external audit has been planned from TuV Austria on 21st Nov 2023

13. Whether the AQAR was placed before statutory body? Yes

- Name of the statutory body

Name	Date of meeting(s)
IQAC	17/10/2023

14. Whether institutional data submitted to AISHE

Part A**Data of the Institution**

1.Name of the Institution	DON BOSCO INSTITUTE OF TECHNOLOGY
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• Designation	Principal
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• Mobile no	9867285270
• Registered e-mail	dbit@dbit.in
• Alternate e-mail	principal@dbit.in
• Address	Premier Automobiles Road Opp. HDIL Premier Exotica,
• City/Town	Mumbai
• State/UT	Maharashtra
• Pin Code	400070
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• Location	Urban
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6.Date of Establishment of IQAC			17/07/2017		
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<p>Regular meeting with the NAAC Committee to analysis and identify the areas of improvement for the 2nd cycle.</p>		
<p>(Innoquest) Mini - project exhibition was conducted to showcase the projects developed by Third year engineering students. The judges for the exhibition were recruiters and industry experts, who not only judged the project but also mentored them.</p>		
<p>Document review and internal audits were conducted as part of the ISO 9001:2015 recertification planning.</p>		
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IQAC	17/10/2023

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2021 - 2022	27/12/2022

15.Multidisciplinary / interdisciplinary

We have offered multi-disciplinary electives for the students of final year engineer.

Following are the courses offered to students based on the availability of the subject skills and resources to students of Mechanical, Electronics & Telecommunication, Computers and IT.

In Semester 7:

ILO7013. Management Information System

ILO7015. Operation Research

ILO7016. Cyber Security and Laws

ILO7018. Energy Audit and Management

ILO7019. Development Engineering

In Semester 8:

ILO8021. Project Management

ILO8023. Entrepreneurship Development and Management

ILO8029. Environmental Management

The institute has also offered a Minor/ Honor program for the University of Mumbai. The Minor / Honors is a 4-semester program focusing on imparting the latest technological skills. Enrollment in the program is open to students of all departments.

The following are the programs being offered:

- 1) Artificial Intelligence & Machine Learning
- 2) Cybersecurity
- 3) Data Science
- 4) Internet of Things
- 5) Electric Vehicle

16.Academic bank of credits (ABC):

The Academic Bank of Credits (ABC) portal creates an opportunity for creating credits that will be transferable interdisciplinary and multidisciplinary in nature. Students will also have multiple entry-exit options as per their requirements. Since the institute is affiliated with the University of Mumbai, the implementation of the Academic Bank of Credits is governed by the University of Mumbai.

17.Skill development:

Skill development Labs have been introduced in the syllabus under the R-2019-C scheme of the syllabus. The Second year engineering and Third year engineering students have skill-based labs as part of their syllabus. Following are some of the examples:

- ITL304 Java Lab (SBL)
- ITL404 Python Lab (SBL)
- CSL605 Skill base Lab Course: Cloud Computing
- ECL304 Skill Lab: C++ and Java Programming
- ECL404 Skill Lab: Python Programming
- ITL505 Professional Communication & Ethics-II (PCE-II)
- FEC206 Professional Communication and Ethics- I
- FEL205 Professional Communication and Ethics- I (Laboratory)

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

The Independence Day celebration was organized by the Institute in collaboration NSS wings of the college and LitSoc-DBIT. The celebration aimed to foster the spirit of independence and patriotism among the youth. The event comprised four competitions - Group Singing, Elocution, Poetry Recitation, and Rangoli Making. This helps inculcate values such as patriotism and love for the country among the younger generation.

The Staff Welfare Committee organized a "Garba Event" for all teaching and non-teaching staff on 1st October 2022. hereafter all people enjoyed dancing Garba to various songs thus celebrating the Navratri festival. To showcase the Indian culture and tradition.

DBIT celebrated Onam with great enthusiasm and zeal. The students and faculty members came together to celebrate the festival and to showcase the rich culture and traditions of Kerala. The flower rangoli, traditional attire helped in promoting the cultural diversity of India.

On 20th March 2023, the Student Council of DBIT successfully organized a "Traditional Day" event for all the staff and students. As the name suggests, the day was a celebration of the traditions, customs, and diversity of India.

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

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

The entire process of the Teaching Learning is OBE oriented as

per the guidelines of the National Board of Accreditation. For every subject COs are defined. CO - PO - PSO Correlation Matrix is prepared. The TLP is developed and followed. The Assessment tools are linked to the COs which ensures COs Attainment is calculated at the ends of the course. Based on the CO Attainment, PO Attainments are calculated.

20.Distance education/online education:

A group of 5 to 10 students were granted internships in various industries, where they benefited from online mentoring. Through virtual guidance and regular communication, these students received valuable support, enhancing their learning and skill development during their internship experience. This helped the students to prepare for placement interviews.

Institution advocate for the uptake of online courses from prominent platforms like MOOC, Coursera, EdX, and NPTEL, fostering a culture of continuous learning. Students benefit from flexible learning time and explore diverse subjects beyond their curriculum. Simultaneously, teachers enhance their teaching prowess and stay updated with the latest advancements, creating a dynamic and globally connected learning community. This proactive approach ensures that education remains current and accessible.

Extended Profile

1.Programme

1.1	250
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	937
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	0
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	
File Description	Documents
Data Template	View File
2.3	16
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	63
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.2	60
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	17
Total number of Classrooms and Seminar halls	
4.2	262.2450844
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	676
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The academic calendar for the institute is developed to plan out all of the curricular and extracurricular activities for the full semester. The teaching workload distribution and time-table preparation are completed prior to the start of the academic session. To plan all of their events, the departments create their calendars. To detect curriculum gaps, faculty creates the COs and maps it with the POs, PEOs, and PSOs. To fill up the gaps, teaching faculty create their Teaching, Lesson, Course, and Practical Plan with a variety of curricular and extracurricular activities. Students always have access to the course materials using MOODLE Learning Management System. In the first week of the term, an evaluation of MOODLE content is done to find any flaws. On the MIS portal, each department maintains a record of the lectures conducted, student attendance, exams, extracurricular activities, departmental activity, and audit reports. Regular tutorials, class assessments, and MCQ examinations are given to students to determine their continued progress. To make classroom lessons interesting and participatory, teachers use a variety of pedagogies and activities. Every semester three times, the Academic Monitoring Committee meets to examine methods to improve student participation while also reviewing academic progress.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.dbit.in/academic-calendar.html

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The institute follows the syllabus created by the University of Mumbai. The syllabus is aligned with the academic guidelines of the university. The academic calendar is prepared by the Deans and heads of Departments and is shared with internal stakeholders before the start of the term. Each department plans their term schedule and prepares the department calendar. Care is taken to spread activities evenly and minimize disruption to academics.

Faculty compensate for any academic loss by holding extra classes on normal working days. Any academic loss due to unforeseen circumstances is compensated for by working on Saturday. Internal evaluations, which include internal assessment tests, are conducted twice in each semester according to the calendar. External exams are scheduled by the University.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	https://www.dbit.in/timetable.html

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

4

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

1

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

69

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The aim of DBIT, which focuses on the total development of staff and students, makes it easier to incorporate lessons on sustainability, gender sensitivity, and ethical issues into the curriculum. All first-year engineering students takes a induction course, which covers topics including professional ethics, gender sensitivity, and human values. To teach ideas like energy

conservation in the home, energy audits, calculating carbon footprints, rainwater harvesting, etc., the SIE (Sustainable innovations for the Environment) club organizes field trips, talks, and hands-on workshops. All staff members participate in sessions on gender sensitivity and sexual harassment laws. Courses on sustainable energy systems are offered by the energy club. In semester 7, a full course on renewable energy systems is offered as an elective. The institute also offers institute level electives (development engineering and environment management) in the 7th & 8th semesters, which are open to all engineers. In the NSS camps, students visit tribal villages and learn from the villagers about sustainable living. During the final year, students work on projects related to sustainability, such as waste flower recycling, energy efficient chulha design, menstruation waste management, sensor based agriculture, etc.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

15

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

684

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students
Teachers
Employers
Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://dbit.in/feedback.html
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://dbit.in/feedback.html

TEACHING-LEARNING AND EVALUATION**2.1 - Student Enrollment and Profile****2.1.1 - Enrolment Number Number of students admitted during the year****2.1.1.1 - Number of students admitted during the year**

239

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

130

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Academic departments use a thorough approach to assess our diverse student body's competency levels, differentiating between those who quickly grasp concepts and those who may need extra support. This assessment includes criteria like prerequisite tests, in-class assessments, final exams, and meticulous attendance tracking.

Upon admission, students undergo a comprehensive evaluation that measures not only their academic prowess but also their communication skills—an essential competency in the modern engineering landscape. Following this, students take the vital Internal Assessment exam, categorizing them into two groups: those needing extra guidance, referred to as "slow learners," and those displaying exceptional potential as "advanced learners."

For students requiring support, we offer robust mentoring and counseling. Remedial instructions, supplementary coaching, and practical experiences enrich their education, with regular assessments tracking their progress.

Conversely, our advanced students are not only encouraged but passionately driven to explore the horizons of engineering excellence while participating in challenging events like hackathons, conduct research projects, pursue advanced certifications, engage in internships to gain real-world exposure, culminating in presentations at conferences. Our goal is to nurture diverse talent, shaping future engineers who drive technological excellence and innovation, creating an environment where every student can thrive, regardless of their starting point.

File Description	Documents
Paste link for additional information	https://fe.dbit.in/cocurricular/newsletters.html
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
937	63

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The institute firmly believe that education should be an engaging and transformative journey for every student. In the academic learning realm, students enjoyed a supportive setting, aided by dynamic course materials comprising animations, videos, quizzes, PowerPoint presentations, and an array of tools including Moodle LMS, Google Colab.

To this end, we employ a dynamic array of pedagogical approaches including flipped classrooms, interactive animations and realistic simulations. Passive learners were actively engaged through concise animated concept videos, tailored quizzes, and opportunities for student-led presentations on pertinent case studies. Through interactive discussions, group projects, peer

collaboration, and classroom debates, we empower our students to take ownership of their education. This not only cultivates critical thinking and communication skills but also fosters a sense of responsibility and engagement with the subject matter. Access to online educational resources from platforms like NPTEL, Coursera, and YouTube facilitated collaborative learning endeavors. Moreover, students were encouraged to take charge of their learning during internships.

Our educational approach incorporated blended learning methods, embracing topics like Cloud Computing, Collaborative Coding, diverse quizzes, crosswords, mini-projects, immersive case studies, and project-based learning experiences. Specialized problem-solving sessions were designed to enhance the analytical skills of first-year (FE) ensuring well-rounded educational experience.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://www.dbit.in/images/pdf/naac/INNOVEX_2023_Report.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

DBIT employs ICT-enabled teaching methods, creating a technologically enriched learning environment. All classrooms and labs are equipped with projectors and high-speed Wi-Fi, facilitating hybrid teaching approaches. Faculty leverage a wide array of ICT tools, including Google Meet and Zoom for tests and lectures, supplemented by interactive resources such as PowerPoint presentations with animations, video clips, and access to online materials from NPTEL, Coursera, and YouTube. Simulation tools, virtual labs, Quizz.com, and various cloud portals enrich the learning experience.

LMS serves as a course management system for materials, experiments, online tests, and e-assignments. Hybrid activities include project presentations, debates, group discussions, mentoring, Parent Teacher Meetings, and Academic Advisory Committee meetings, with WhatsApp groups facilitating communication and information sharing.

Access to online research journals and e-books enhances resources for both faculty and students. Departments organize webinars, workshops, and guest lectures led by industry experts and alumni, ensuring students receive up-to-date insights into the latest tools and technologies. This comprehensive integration of ICT tools enriches the teaching-learning process at DBIT, fostering a dynamic and technologically advanced educational environment.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

63

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

63

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

11

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

704

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The process for IA examinations is as:

- IA1 & IA2 is conducted by the departments.
- Commencement is mentioned in the department academic calendar. IA1 - around fifth week - 40% syllabus & IA2 - around eleventh week - 80% syllabus.
- In consultation with the HoD, syllabus, format of question paper and question bank is shared with the students through LMS.
- IA coordinator is appointed by the HoD who prepares the exam schedule and the supervision chart. After the HoD approval, supervision duties are conveyed to the faculties.
- The timetable is circulated in the teacher-student class groups, displayed on the notice board and uploaded on the website.
- The question paper is approved by the HoD.
- Post examination, the model answer paper is uploaded on LMS.
- Any grievances related to assessment of answer papers are handled by the subject teacher & the HoD.
- Average marks are forwarded to the University through examination cell.
- All records related to student attendance and answer sheets are maintained by the respective department and shared during Parents meet.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.dbit.in/timetable.html

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The process for redressal of grievance is as follows:

- For smooth conduction of all examinations, the Institute appoints an Internal Assessment (IA) coordinator or Senior Supervisor (for ESE) and Junior Supervisors.
- Grievances related to IA tests are handled by the respective subject teacher.
- However, if not convinced, the student can approach the Head of the department (HoD) and get the query clarified. If required, the HoD can approach the Principal.
- Similarly, grievances related to third year and fourth year end semester examinations are handled by the Principal in coordination with the examination cell.
- Grievances related to orals and practical exams, errors in marksheets or convocation certificates are forwarded to the University through proper channels. For any post examination queries, the student shall have to apply to the University in writing within fifteen days after declaration of the result.
- Grievances related to first year and final year end semester examinations are reported to the University of Mumbai (UoM). The student can ask for a photocopy and revaluation of the paper to the University, according to the procedure mentioned by the UoM.

File Description	Documents
Any additional information	View File
Link for additional information	https://dbit.in/images/pdf/naac/RedressalGrievances.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

We employ a structured approach to utilize the Programme Outcomes (Graduate Attributes) established by the National Board of Accreditation (NBA) in conjunction with our Vision-Mission statement as the foundational framework for articulating our Programme Educational Outcomes (PEO), Programme Specific Outcomes (PSO), and Course Outcomes (CO).

Each faculty member initiates the academic term with a meticulously crafted teaching-learning plan and lesson plan, which explicitly outline the intended learning outcomes and course outcomes. To ensure a well-rounded perspective, the development of course outcomes and programme outcomes is a collaborative effort, drawing insights from academia, industry experts, and alumni. These outcomes are effectively communicated to various stakeholders, including students, parents, academic advisory committees, and alumni, during events like student orientation, parent-teacher meetings, alumni gatherings.

Display of the Course Outcomes (COs) and Programme Outcomes (POs) in classrooms, laboratories, and on our website was done ensuring transparency and accessibility. During lectures and laboratory sessions, faculty members actively engage students by sharing and emphasizing these COs. Tests, assignments, experiments as assessment tools gauge the extent of student learning and evaluate the successful attainment of the specified learning outcomes. Comprehensive approach ensures that our educational programs remain aligned with our stated objectives, fostering a purposeful and outcome-driven learning environment.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://dbit.in/co.html
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

DBIT adheres to Mumbai University's outcome-based curriculum. At the institute level, an academic calendar is established for each semester. Departments then create their calendars, incorporating student chapter activities, club events, and faculty course-related plans. Faculty members develop teaching, lesson, and practical plans before the semester starts, aligning course outcomes with program outcomes in the university syllabus. To address curriculum gaps, a new CO-PO mapping is created with activities to fill these voids, resulting in a new attainment matrix.

Assessments are conducted by departments using various tools/methods, involving data collection and tabulation to evaluate COs and POs. Rubrics are designed for formative and summative assessments, documented in the Teaching and Learning Plan. Students receive course outcomes, program outcomes, and rubrics before evaluations to understand performance criteria and weightage.

Assessment methods encompass class tests, internal assessments, assignments, quizzes, end-of-semester exams, seminars, laboratory work, practical projects, group discussions, and more. Attainment calculations align questions with specific course outcomes and Bloom's Taxonomy levels, ensuring comprehensive student understanding.

Attainment levels for each CO are computed with department-specific weightings, providing evidence of student learning, tracked semester-wise. The process captures diverse aspects of student knowledge and skills, enhancing the evaluation of their academic progress.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

3

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://www.dbit.in/images/pdf/naac/Annual Report2022-2023.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://www.dbit.in/naac.html>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

23.14145

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

4

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

2

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.ltts.com/about-us/csr

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The institute's dedication to fostering innovation and incubation is clearly articulated in its vision statement. Don Bosco

Institute of Technology (DBIT) is firmly committed to nurturing entrepreneurship among both its students and faculty, and it has taken concrete steps to create an environment conducive to this goal.

The main goals of the IIC are:

- Build a lively innovation community in the local area.
- Get the institute ready for the Atal Ranking of Institutions on Innovation Achievements Framework.
- Create a system for finding and nurturing ideas, and getting them ready for incubation.
- Enhance the thinking and problem-solving abilities of students studying technology.

Three Track Program: Three Track Program of DBIT is active to enhance knowledge, skills, personality & productivity of students. Primary purpose of this cell is to nurture the innovative and creative minds of students.

Intellectual Property Rights (IPR) Cell: The IPR Cell's main goal is to make people aware of Intellectual Property Rights (IPR) and teach them about it through workshops and seminars. They also provide training on IPR and help spread knowledge about patents and how to register them. Additionally, the IPR Cell encourages and trains teachers to apply for research funds from different government and non-government organizations.

The entrepreneurship cell:The Entrepreneurship Cell aims to promote the entrepreneurial spirit among both teachers and students. They organize events to foster this culture. The Entrepreneurship Cell closely collaborates with Incubators and the Innovation Center to offer guidance on creating new and innovative businesses.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.dbit.in/iic.html

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual

Property Rights (IPR) and entrepreneurship during the year**3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year**

71

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards**3.3.1 - Number of Ph.Ds registered per eligible teacher during the year****3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year**

4

File Description	Documents
URL to the research page on HEI website	https://www.dbit.in/papers-publications.html
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year**3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year**

10

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

24

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The institute's Vision statement underscores its commitment to fostering holistic development and nurturing socially conscious citizens who will actively engage in the creation of sustainable technologies. Moreover, the institute is dedicated to enhancing the well-being of local communities, not only through a robust National Service Scheme (NSS) cadre but also via various other socially relevant initiatives.

For the year 2021-22, the institute's outreach activities revolved around the following themes:

1. **Education & Health:** Numerous programs were conducted to raise awareness among parents and children about the importance of education and health.
2. **Training on Social and Livelihood Issues:** Awareness sessions were organized for both urban and rural communities, addressing various social and livelihood challenges.
3. **Technical Projects:** Community-based projects were implemented to solve local community problems. These projects were showcased at Innovex, an annual project exhibition and competition, where industry experts evaluated them.

The overarching objectives of these activities are as follows:

1. To facilitate the sharing of expertise and resources for the betterment of underprivileged children, youth, and women within local and rural communities.
2. To sensitize students to critical social issues and encourage them to contemplate the unique contributions the institute can make to address societal problems using design thinking methods.
3. To foster the development of students' character and personality through active engagement in community service across a range of socially significant areas.

File Description	Documents
Paste link for additional information	https://www.dbit.in/nss.html
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

4

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with

industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

86

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

2307

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

123

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

11

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

DBIT has full-fledged facilities related to infrastructure and equipment. The major facilities include 15 ventilated and wellfurnished equipped classrooms LCD projector, public address system and internet connection. 36 laboratories, 2 Seminar halls, an auditorium, 2 cafeteria, office rooms, examination centre, medical rooms, boys & girls common rooms, prayer hall, library, drawing halls and facilities such as football ground, basketball court volleyball court, carom, table tennis, and gym. Labs have modern equipment with facilities such as 3D printers, milling machines, vector network analyser, 32-bit logic analyser, flue gas analyser, antenna test measurement system to expose the students to the latest technologies. DBIT workshop has modern CNC lathes,

high-end milling and shaping machines. DBIT offers high-end software like Mat lab, ANSYS Workbench including FLUENT, GENESYS and Solid Works. DBIT provides high-speed internet, LAN and Wi-Fi with a large number of computers facilities. The present students to computer ratio is approx 2:1. Moodle is offered as LMS on amazon cloud. (www.elearn.dbit.in). Campus is CCTV surveillance enabled. The library has a rich collection of books, e-journals, ebooks and plagiarism software. It has a reading, reference and digital section with 30 computers and Low-cost reprography. DBIT provides a hygienic and affordable canteen facility.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.dbit.in/Infrastructure.html

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The Don Bosco culture of learning is based on the holistic development of a student. To stay true to this culture, priority is given to the participation of students in extracurricular and cocurricular activities. To provide a platform for the same, the college provides substantive facilities as given below for the students to venture out and be a part of the amazing array of sports and cultural events. The college is blessed with a lush green field to play sports like football, athletics, volleyball, and throw ball. Adjacent to the football field concrete court is provided to play box cricket, badminton, and basketball. Indoor game facilities like Table Tennis, carom boards, and Chess boards are available in girls' and boys' common rooms. Hysteria is the annual Cultural Festival and Colosseum is the annual technical festival of the college. Hysteria, an Inter department-College Event, encompasses cultural and sporting events held for all the different departments/colleges in Don Bosco Centre for Learning. A fully-fledged 506 sq.m auditorium holds innovative and sparking cultural events. These include domains of fine arts, literary arts, performing arts and photography, blood donation camp, gatherings, exhibitions, conferences, workshops, and Yoga classes. Yoga classes are conducted by an expert trainer, so as to inculcate it as an integral part of student life. Institute promotes students to play at intercollege and higher level tournaments.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.dbit.in/hysteria.html

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

17

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.dbit.in/Infrastructure.html
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

89.17172

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Year Name of the ILMS Software Nature of automation (fully or partially) Version

Year of automation 2020 - 21 Koha Fully 21.11.11.000 2011.

Cloud based learning management system www.elearn.dbit.in has got all academic support for students and staff.

DBIT Library has reference, circulation, periodical, multimedia, issue-return & reading sections. The Library is housed with required textbooks, reference books, periodicals, and journals. The library is automated using Open Source Koha ILMs, which enables the students and faculty to check books availability, issue, return anywhere on the campus.

Library services are accessible both within and remotely through web Access OPAC, <http://opac.dbit.in>. DBIT has got a research journal and cultivates a research culture amongst students and faculty.

Library is supported with anti plagiarism. Institute also annually takes subscriptions of international e-journals .

The library has dedicated 31 computer terminals connected with 150 Mbps internet so that students can access e-journals, NPTEL video.

DBIT library also collaborates with other technical libraries like IIT Bombay, NDL, etc.

Library committee which also includes students, reviews the progress of the library. The library is updated with the latest journals, periodicals, and text books as per the curriculum.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	http://opac.dbit.in

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

4.35

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

6928

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

DBIT provides its students with well-equipped IT facilities with 150 Mbps internet. The internet is extended to all class rooms, Laboratories and offices through LAN connections and routers.

All classrooms are provided with a LCD projector,

audiosystemandhighspeed Internet connection.

Servers are powered with Xeon and IBM processor. Institute has hosted all web services which are managed internally using Apache / Nginx server along with two public Domain Name Servers locally. IPCop Firewall is used for protecting all servers and computers from attacks.

DBIT has a Central login authentication system (LDAP) facility. Zimbra mail server is used for official communication. The institute makes use of One or Zero Helpdesk & Task Management System for raising technical support. Library uses updated Koha software while Moodle is used as a LMS.

A biometric login system is used for staff attendance management. All students and faculty are provided with storage space in DBCL Drive, cloud-based self-hosted file sync solution with LMS On the cloud.

MIS and NEST (New Exam System Terminal) software used for staff record with Biometric login system, students attendance, and academic activities. NEST is the in-house examination software. Exam cell is also equipped with Khushi examination software. Institute also has a dedicated high-quality audio recording studio.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.dbit.in/Infrastructure.html

4.3.2 - Number of Computers

676

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

262.24

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Systems have been established to ensure that facilities maintenance and upkeep to be used by students and staff.

1. **Laboratories:** The laboratory in charge needs to take care of the up-gradation of equipment and software as per the syllabus. The laboratory assistant along with the laboratory in charge handles the laboratory equipment and maintains the Dead Stock Register (DSR) and the routine maintenance of the equipment.

2. **Library:** Library committee addresses specific needs of the students and staff related to availability of books, accessing of journal articles, utilization of plagiarism software, etc. Librarian with supporting staff maintains a central library.

3. **Sports ground:** The sports committee along with the Sports -in-Charge ensures the availability of sports equipment and monitors

the usage of the ground, courts, and indoor games facilities.

4. **Class Rooms:** Classrooms are allocated to all departments along with necessary ICT tools.

5. **IT facilities:** All departments in the college are allotted computers with essential software and necessary applications. The network administrator along with the assistant's maintains the IT facilities in the institute.

6. **Electrical, Drinking water coolers, Lift:** housekeeping committee inspects the facilities like toilets, water coolers, class rooms, corridors and conveys any specific requirement to the dean administration and principal.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://dbit.in/images/pdf/naac/Procedure_In_frastructurefacilities_DBIT.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

467

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the

institution / non- government agencies during the year**5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year**

2

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://www.dbit.in/images/pdf/naac/5.1.3_ReportCapacityBuildingSkillsEnhancementInitiatives.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

252

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

252

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

5

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

30

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

31

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

1

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Institutions play a pivotal role in fostering student engagement through a diverse range of activities, supported by various committees such as student councils, student clubs, departmental chapters, departmental events, and more. The Student Council serves as the representative body for the college's student population.

The aim of the Student Council is to encourage student involvement in the institute's developmental endeavors, while also nurturing their personal growth, organizational skills, and career prospects. The Student Council provides a central platform for students to engage in co-curricular and extra-curricular pursuits. It holds responsibility for overseeing all technical, cultural, literary, and sports activities conducted within the college premises. The institute's management wholeheartedly supports the council's initiatives, and a dedicated team of faculty members lends their assistance to ensure their success.

Student clubs and chapters are established with the objective of collaborating with professional organizations. They host seminars, arrange industrial visits, facilitate workshops, and raise awareness about various career opportunities. These initiatives equip students with the skills required for industry readiness,

outreach efforts, and sustainable activities.

Student representatives are also an integral part of various committees like anti-ragging, IQAC, CDC, Training and Placement, SC/ST/OBC affairs, Women's Development Cell, Minorities Cell, Website Development and Maintenance, etc.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

33

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The Salesians of Don Bosco, headquartered in Rome, is a global organization dedicated to education and service. In 1968, the Indian National Federation of the Past Pupils of Don Bosco was established in Mumbai. The Alumni Association of DBIT is affiliated with the Mumbai Provincial Federation of the Past Pupils of Don Bosco, which, in turn, is affiliated with the Indian National Federation of the Past Pupils of Don Bosco. DBIT operates within the Kurla unit of the Mumbai Provincial Federation.

Despite this affiliation, individual Don Bosco Institutes have the autonomy to create their own Alumni Associations without the need for formal affiliation letters. In March 2018, the DBIT Alumni Association was formally established, and elections were conducted. Distinguished alumni were recognized for their outstanding contributions to various fields. Over the years, DBIT alumni have played a pivotal role in advancing the institute's growth and development.

Some of the key contributions by alumni include providing financial support for student scholarships, serving on Academic Advisory Committees, delivering expert lectures on emerging technologies, organizing student training programs and workshops, and mentoring students in areas like employment and entrepreneurship.

The Alumni Association's functions encompass holding meetings to formalize objectives, framing the Memorandum of the Association, setting up an alumni web portal, and identifying yearly activities.

The Mumbai Provincial Federation is to be registered soon. By the affiliation, the DBIT Alumni Association will not need to be registered separately. Presently the accounts of the association are managed by the institute.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year C. 3 Lakhs - 4Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The institute's Vision is to create an enjoyable and holistic learning environment for the students to transform themselves into socially conscious citizens. The pedagogy is advocated by the "Don Bosco Way" of social inclusiveness and active learning. We see our future engineers as able to conduct research to solve societal and industrial issues and become entrepreneurs in the area of sustainable technologies.

The Institute's mission is to nurture and foster values like honesty, integrity, and sensitivity toward the underprivileged and use innovative problem-solving skills acquired during the program to develop sustainable solutions.

To realise its Vision and Mission the institute has a team of Principal, Various Deans, and Head of Departments. The DBIT Journal of Science and Technology is published each year to showcase the research work done by students and faculty.

To promote entrepreneurship and create a start-up eco-system an E-Cell and Institute Innovation Cell (IIC) have been established. The institution has established a good governance system through the College Development Committee, which helps in understanding the difficulties at the operational levels and continually improving

File Description	Documents
Paste link for additional information	https://www.dbit.in/visionmission.html
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The process of decentralization and participative management is practiced in all aspects of operations. Following are a few case studies:

CASE STUDY 1 Decentralization and participative management have been the culture of our institute for the past few years.

- Prior to the end of the financial year, each HOD submits the department budget to the Principal for the following academic year.
- The HOD gathers the necessary requirements from their

departmental colleagues.

- The Principal consolidates all the requirements under various budget heads and presents the consolidated budget before the CDC for their approval, which is submitted before the Board of Governors for approval.

CASE STUDY 2: The subject teacher is authorized to decide the organizing of guest lectures for the students, budgetary provision for the guest lectures and workshops, etc. is part of the department budget. The department plans and executes the curricular, extracurricular, and co-curricular activities

- An example of a co-curricular activity:- Colosseum 2022Annual Technical Festival

File Description	Documents
Paste link for additional information	https://www.dbit.in/colosseum.html
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

DBIT takes immense pride in promoting research at the undergraduate level. Research initiatives have been a significant part of the institute's growth and development.

Strategy Outcome 1: To promote undergraduate research through a final-year project.

Steps to implement the strategy : Students are encouraged to select the problem state during the SE and TE so that they can work on the project for a longer time and thus be able to contribute to good-quality research. This helps in improving the research publication and overall approach to the project.

Strategy Outcome 2: To inculcate design thinking among TE students.

Steps to implement the strategy :

Project Exhibition was previously conducted only for the Final Year students, where they could showcase their project achievements. However, in order to motivate the students of TE to explore the user response and apply design thinking through feedback from users.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	https://www.dbit.in/papers-publications.html
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Service rules:- The institution has framed the Service Rules according to the AICTE, UGC, and UoM norms. The official working hours of the institute are from 9:00 AM to 5:00 PM. The teaching and non-teaching faculty have the benefits of EPF/ Group Insurance Scheme / Gratuity and Casual / Earned / Medical /Maternity / Compensatory Leaves.

Recruitment Policies: The HoDs review faculty requirements as per teaching load and submit the consolidated staff requirement to the Principal. Recruitment takes place according to the norms of the University of Mumbai, AICTE, and rules applicable to institutes with minority status. The selection committee decides the worthiness of the faculty member on his/her performance in the interview according to the parameters. In the case of the Ad-hoc requirement recruitment happens through demonstration lectures and interviews with the panel appointed by the authority.

Promotional Policies: Promotions are based on merit and qualifications required for the higher position. The policy is outlined in the service rule book.

Grievance Redressal and Internal Complaints: The institute has formed a Grievance Redressal Committee to handle student grievances regarding teaching and assessment. The committee has framed guidelines as well as processes for timely review and

redressal.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://www.dbit.in/dbit-faculty.html
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The institute demonstrates its concern for staff well-being by creating a congenial and caring environment on campus.

Following are some of the Staff Welfare Initiatives taken:

- Teaching and non-teaching faculty are provided sponsorship to upgrade their qualifications by sponsoring their Doctoral studies, and sponsorship for skill enhancement like certification and training.
- Rotation of key leadership positions like HOD and Dean amongst the staff to provide an opportunity to develop leadership skills

- Medical checkup for all staff is being conducted.
- Staff Picnic is planned once every two years.
- There is an Insurance Policy for all staff members
- The Campus Minister is available on campus to resolve any conflicts or personal issues of staff
- Class 4 employees are given uniforms every 2 years.
- Snacks and tea are provided to Class-4 employees each day
- Ward of staff given preference under management quota for admission to the program
- Prayer room and infirmary available for staff and students

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

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

17

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

15

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

30

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Teaching faculty appraisal:

- The appraisal system is used as a tool to offer or deny increments and promotions. The appraisal process not only

evaluates the faculty performance against stated parameters but also provides guidelines for upgrading oneself.

- The appraisal process comprises the following elements:
 - Faculty self-appraisal and Management review is conducted once a year by Management.
 - Peer review of classroom teaching is carried out every semester by the senior faculty and Dean-Academics once every semester.
 - A review of Coursefile is carried out by peers once every semester.
 - A review of learning material uploaded on MOODLE is carried out by the MOODLE review team once every semester.
- Student feedback on the teacher is conducted twice every semester.

Non-teaching staff:

- The performance appraisal of non-teaching staff is carried out by their respective HODs.
- Different self-appraisal formats are used to capture data and information regarding the staff's attitude towards work, efficiency, and commitment.
- The HOD reviews these formats and counsels and motivates the staff to improve performance.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The college has the mechanism of both internal and external audits for the financial activities carried out. Accounts department is headed by Accounts Incharge who maintains financial accounts and prepares all financial statements and submits them to all statutory bodies like AICTE, Shikshan Shulka Samiti (SSS), etc when required. The institute is a self-financed private institute thus the main source of income is the tuition fee collected from the students. SSS decides the fee on the basis of the expenditure

incurred by the institute. The institute submits audited statements of accounts as evidence annually or when required. The final statement of accounts is audited by an external chartered accountant every year.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

8.5836

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

STRATEGIES FOR RESOURCE MOBILISATION 1. Motivating faculty to apply for research grants of UGC, AICTE, DSTE, BARC, IEEE for funding research activities and purchase of high-end equipment for laboratories 2. Conduct Value added courses for students other than those mandated by the curriculum 3. Carrying out consultancy work for industry 4. Use of laboratory equipment for testing 6. Applying to various bodies for grants for conducting Short Term Training Programmes on new technologies 7. Sponsorship from corporates of student activities like competitions, technical festivals, cultural and sports festivals., and participation in national competitions like SAE -BAJA, GKDC, etc. 8. Approaching alumni, parents, and well wishers for donations and sponsorship of the following activities: Fees, books, laptops for economically

backward students Sponsorship of activities for community development Funding of conferences and workshops Purchase of laboratory equipment

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Following are the critical tasks taken by the IQAC during 2022 - 2023:

1. Academic Audits

Academic Audit is planned and executed by the Dean of Academics on behalf of the IQAC. The following are the components of the academic audit:

- Peer Review of the Lecture delivery in the class
- Moodle Audit to ensure availability of the lecture notes on the LMS.
- Course file audit at the end of the semester to provide completion of course-related documentation.

2. NAAC data analysis

Data analysis of the last four AQARs was carried out with regard to each other and the DVV benchmark released by the NAAC. This is presented to all the staff so they know the progress and the growth the institution has made due to accreditation. This also helped in setting targets for coming next accreditation cycle.

3. Innovex as part of miniprojects.

Innovex (project competition) was conducted for TE, students to expose them to real-life problems and sensitize them towards societal problems, so as to take those problems as major projects.

4. Document Review as part of preparation for ISO 9001:2015 recertification

Documents related to the ISO 9001:2015 were reviewed by the NAAC team.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The Internal Quality Assurance Cell (IQAC) diligently oversees the teaching and learning processes, employing a systematic review methodology to ensure their optimal execution.

The Academic Monitoring Committee conducts an audit of the Learning Management System (LMS) Moodle, during a semester. This audit inspects the availability and accessibility of essential educational resources, including teaching and learning plans, lecture notes, lab manuals, sample question papers, and module-wise multiple-choice questions. This aims to ascertain that the required materials are adequately present and accessible for both faculty and students, supporting a conducive learning environment.

Additionally, peer review helps assess the content delivery by faculty members. Peer reviews are conducted to assess the quality of teaching. This collaborative evaluation encourages an exchange of best practices and constructive feedback among peers.

Feedback from students regarding faculty performance helps to understand students' perspectives on the effectiveness of content delivery and provides insights into areas for improvement.

At the conclusion of each semester, a course file audit is carried out. This audit serves as a final assessment, evaluating the overall compliance and adequacy of educational resources and documentation associated with the courses. Through this audit, any deficiencies or areas requiring enhancement are identified and documented.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://dbit.in/images/pdf/naac/AnnualReport2022-2023.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Don Bosco culture promotes gender equity. To convert core values into action plan, equal opportunities are provided. All are treated equally. The student's council representing the committees, professional bodies and clubs across college, has taken several promotional measures.

(a) Safety and Security • Surveillance for 24x7. • Faculty discipline committee. • Awareness campaigns on women safety and gender sensitivity through street plays by drama club. Posters on gender equity are struck around the campus.

(b) Counselling • Formal avenue for counselling students on their issues/problems.

(c) Common Rooms: • Common rooms for male students and female students, which facilitate meetings and indoor games.

(d) Other Measures: Co-curricular activities - 2022-23-IEEE-DBIT WIE Student Chapter organized a workshop on 'Why Women need better Designs', for the students of all the programmes on 16 March 2023 at 9:30 am. The speaker was Dr. Prasanna Nambiar, Principal, DBIT. The objective of the event was-

i. Awareness of existing products that are women unfriendly

ii. Identification of specific needs of women in a product

iii. Expression of needs of women for making women centric products

iv. Recreation of products. An exercise was conducted to create an insight by brainstorming on various case studies to identify the needs of women.

File Description	Documents
Annual gender sensitization action plan	https://dbit.in/images/pdf/naac/GenderSensitizationPlan-AY-2022-23.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://dbit.in/images/pdf/naac/7.1.1_Specific_Facilities_provided_for_women.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Waste management is utmost important for the institute to create eco-friendly campus environment. Institute manages daily waste produced in several ways. Institute owns the paper shredder which is available with the exam cell to take care of paper waste. The institute canteen produces 10 to 15 kg of wet waste daily. This wet organic waste is fed in to the compost pit to produce compost. The size of the pit is about 6 ft long x 5 ft wide x 2.5 ft deep with generation rate of 300 kg/month. The plant leaves and grass are also are fed to compost pit to produce nutrient rich compost. This compost so produced is either sold by NSS to third party or used for institute garden and landscaping. NSS and The SIE club (Sustainable Innovations for the Environment) conduct waste management awareness programs for students of the institute. Metal waste from the workshops and project lab are salvaged or sold to the scrap dealer. Electronic and computer accessories which are declared as obsolete are sold at salvage value for recycling to vendors who provide the e-waste management certificate with MPCB (Maharashtra Pollution Control Board). The institute has an E-waste management policy which is followed.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting
Bore well /Open well recharge Construction of tanks and bunds Waste water recycling
Maintenance of water bodies and distribution system in the campus

E. None of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

B. Any 3 of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

D. Any 1 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms.

Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment

5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The Vision statement of the institute is about developing a socially responsible citizen. College endeavoursto instil the right attitude and moral responsibility among the students and faculty by organizing various events to promote social harmony. Many events related to ethical, cultural and spiritual values are

conducted every year. The institute conducts cultural activities for the students. Also clubs like Music club, Marathi Club, Literary Club and Dance club are part of the institute cultural scene. The outreach committee along with the NSS engages with underserved communities around the campus and provides an opportunity to sensitize the students about the needs and challenges of the weaker sections of society and trains them to innovatively address their needs through mini and major projects. NSS with the involvement of students conducted several activities like computer literacy for school students, CPR workshop, ITI bridge course, tutoring school students in the evening, teaching 3D modelling and 3D printing to college going students, teaching Utkal school students, Versova beach clean-up, blood donation camp, eco garden etc. In addition to this institute student council conduct lot of events such as leadership camp, department days, Colosseum, Hysteria, Teknack, library exhibition etc.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Don Bosco Institute of Technology (D.B.I.T.), envisions students to be socially conscious citizens. In view of this institute inculcates values among students that educate them to be better citizens. Students undertake activities in alignment with fundamental duties that foster common brotherhood, respect culture, and preserve natural environment. To celebrate 75 years of India's Independence, a three days festival "Azadi se Aaj Tak" was celebrated on 10th - 11th August. Students participated in elocution with themes "Good Citizen", "My Constitutional rights", "My right is also my responsibility", also solo singing, Rangoli making were among other activities. It concluded on 15th August in campus in attendance of students, teaching, non teaching staff of DBIT. On 26th January on occasion of Republic day, NSS along with ISHRAE served the local community through a special event. Flag Hoisting was done in campus followed by 'Awareness Rally on Save the Environment'. The team planted 75 trees in the Holy Cross High school campus, Kurla. D.B.I.T., celebrated it's Patron day on 20th March with Traditional day and Marathi day was celebrated on 5th

April, respecting Indian tradition and secularism through dance and music

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://dbit.in/images/pdf/naac/7.1.9-report.pdf
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Institution celebrated the following commemorative days, events and festivals in AY-2022-23.

1. Independence Day: The theme of this year is 'Azadi se Aaj Tak'. The flag hoisting was around 9:00 AM witnessed by 120 people. The literary society and NSS club organized elocution, poetry

recitation and rangoli competitions.

2. **Teacher Day:** Teacher day was celebrated by students council by issuing gratitude, greeting cards with roses and chocolates.

3. **Engineers Day:**IEEE DBIT Student Chapter, celebrated a session attended by 75 studnets on 15th Sept 2022 at 02:00 to 03:30pm, Mondini Hall. The Guests for the events was Dr. Prasanna Nambiar (Principal) and Ms. Namita Agarwal (EXTC HOD).

4. **Women's Day:**Student council organized celebrations on 8 March 2023 from 11:00 - 12:00 pm. All women teaching non-teaching faculties (75) participated in watching an awareness video to reassure themselves about the values women possess as an individual, family, society, or be in any profession arena.

5. **Traditional Day:**20 March 2023, the student council organized and celebrated in Mondini Hall from 3 - 5 PM. The event witnessed enthusiastic participation from both students and faculty and charged with energy cause of 400 people joined to celebrate the cultural heritage.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practices

1.Using community based projects as a tool to develop students analytical skills, creativity and innovation and enhance student learning - The VISION statement of DBIT mentions about transforming students into Socially Conscious Citizens. To realize this vision, students are formally engaged in activities which

sensitize them to needs of the community. Students identify problems that could be solved using their skills. These problems are converted into projects on which they work, build prototypes and test it. The actual project is then designed. Students have designed innovative projects for the community.

.The community is happy with the interest shown by the students in understanding their problems and is willing to extend any help. This has helped build a close relationship between the institute and the communities.

2. Awareness of Innovation and Entrepreneurship amongst students and Faculty members of DBIT- This is an initiative to promote entrepreneurship as a career among the students and faculty at DBIT. Entrepreneurship and startup are at the core of New Education Policy 2020. At DBIT, we have adopted the National Innovation Startup Policy by the Ministry of Education and have been conducting pre-incubation activities. Our flagship programme in this genre is Make-A-Thon of which two editions have been successfully conducted. Students have also been winning competitions like Smart India Hackathon which demonstrates their ability to ideate, think out of the box.

File Description	Documents
Best practices in the Institutional website	https://dbit.in/images/pdf/naac/Best_Practices-4_2023.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Holistic Development of Students

Holistic development of students encompasses nurturing their intellectual, emotional, social, and physical growth. It goes beyond academic achievements, focusing on cultivating critical thinking and problem-solving skills. Emotional well-being and resilience are prioritized through counselling and support systems. Holistic education recognizes that each student is unique and seeks to empower them with a well-rounded skill set, enabling

them to thrive academically and as well-rounded individuals, contributing positively to society.

A 3-TRACK PROGRAMME is designed to provide each student with opportunities for self-discovery, and realisation of one's potential. The 3 tracks are-

TRACK 1 - ACADEMIC track with academic activities like lectures and practical. This is driven by the teaching faculty and is curriculum centric.

TRACK 2 - ASPIRATION track which comprises of all co-curricular activities. This track is driven by student clubs and chapters and is expected to make every student aspirational in terms of knowledge and skill gathering.

TRACK-3- WELLNESS track which is about emotional, social and spiritual growth of the student. This track focusses on building skills that will complement the students educational journey. The departments plan the activities for each track and monitor students progress. Parents are also make a part of students journey.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The academic calendar for the institute is developed to plan out all of the curricular and extracurricular activities for the full semester. The teaching workload distribution and time-table preparation are completed prior to the start of the academic session. To plan all of their events, the departments create their calendars. To detect curriculum gaps, faculty creates the COs and maps it with the POs, PEOs, and PSOs. To fill up the gaps, teaching faculty create their Teaching, Lesson, Course, and Practical Plan with a variety of curricular and extracurricular activities. Students always have access to the course materials using MOODLE Learning Management System. In the first week of the term, an evaluation of MOODLE content is done to find any flaws. On the MIS portal, each department maintains a record of the lectures conducted, student attendance, exams, extracurricular activities, departmental activity, and audit reports. Regular tutorials, class assessments, and MCQ examinations are given to students to determine their continued progress. To make classroom lessons interesting and participatory, teachers use a variety of pedagogies and activities. Every semester three times, the Academic Monitoring Committee meets to examine methods to improve student participation while also reviewing academic progress.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.dbit.in/academic-calendar.html

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The institute follows the syllabus created by the University of Mumbai. The syllabus is aligned with the academic guidelines of the university. The academic calendar is prepared by the Deans

and heads of Departments and is shared with internal stakeholders before the start of the term. Each department plans their term schedule and prepares the department calendar. Care is taken to spread activities evenly and minimize disruption to academics. Faculty compensate for any academic loss by holding extra classes on normal working days. Any academic loss due to unforeseen circumstances is compensated for by working on Saturday. Internal evaluations, which include internal assessment tests, are conducted twice in each semester according to the calendar. External exams are scheduled by the University.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	https://www.dbit.in/timetable.html

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

4

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

1

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

69

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The aim of DBIT, which focuses on the total development of staff and students, makes it easier to incorporate lessons on sustainability, gender sensitivity, and ethical issues into the curriculum. All first-year engineering students takes a

induction course, which covers topics including professional ethics, gender sensitivity, and human values. To teach ideas like energy conservation in the home, energy audits, calculating carbon footprints, rainwater harvesting, etc., the SIE (Sustainable innovations for the Environment) club organizes field trips, talks, and hands-on workshops. All staff members participate in sessions on gender sensitivity and sexual harassment laws. Courses on sustainable energy systems are offered by the energy club. In semester 7, a full course on renewable energy systems is offered as an elective. The institute also offers institute level electives (development engineering and environment management) in the 7th & 8th semesters, which are open to all engineers. In the NSS camps, students visit tribal villages and learn from the villagers about sustainable living. During the final year, students work on projects related to sustainability, such as waste flower recycling, energy efficient chulha design, menstruation waste management, sensor based agriculture, etc.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

15

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

684

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students Teachers Employers Alumni**

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://dbit.in/feedback.html
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website
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File Description	Documents
Upload any additional information	View File
URL for feedback report	https://dbit.in/feedback.html

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

239

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

130

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Academic departments use a thorough approach to assess our diverse student body's competency levels, differentiating between those who quickly grasp concepts and those who may need

extra support. This assessment includes criteria like prerequisite tests, in-class assessments, final exams, and meticulous attendance tracking.

Upon admission, students undergo a comprehensive evaluation that measures not only their academic prowess but also their communication skills—an essential competency in the modern engineering landscape. Following this, students take the vital Internal Assessment exam, categorizing them into two groups: those needing extra guidance, referred to as "slow learners," and those displaying exceptional potential as "advanced learners."

For students requiring support, we offer robust mentoring and counseling. Remedial instructions, supplementary coaching, and practical experiences enrich their education, with regular assessments tracking their progress.

Conversely, our advanced students are not only encouraged but passionately driven to explore the horizons of engineering excellence while participating in challenging events like hackathons, conduct research projects, pursue advanced certifications, engage in internships to gain real-world exposure, culminating in presentations at conferences. Our goal is to nurture diverse talent, shaping future engineers who drive technological excellence and innovation, creating an environment where every student can thrive, regardless of their starting point.

File Description	Documents
Paste link for additional information	https://fe.dbit.in/cocurricular/newsletters.html
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
937	63

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The institute firmly believe that education should be an engaging and transformative journey for every student. In the academic learning realm, students enjoyed a supportive setting, aided by dynamic course materials comprising animations, videos, quizzes, PowerPoint presentations, and an array of tools including Moodle LMS, Google Colab.

To this end, we employ a dynamic array of pedagogical approaches including flipped classrooms, interactive animations and realistic simulations. Passive learners were actively engaged through concise animated concept videos, tailored quizzes, and opportunities for student-led presentations on pertinent case studies. Through interactive discussions, group projects, peer collaboration, and classroom debates, we empower our students to take ownership of their education. This not only cultivates critical thinking and communication skills but also fosters a sense of responsibility and engagement with the subject matter. Access to online educational resources from platforms like NPTEL, Coursera, and YouTube facilitated collaborative learning endeavors. Moreover, students were encouraged to take charge of their learning during internships.

Our educational approach incorporated blended learning methods, embracing topics like Cloud Computing, Collaborative Coding, diverse quizzes, crosswords, mini-projects, immersive case studies, and project-based learning experiences. Specialized problem-solving sessions were designed to enhance the analytical skills of first-year (FE) ensuring well-rounded educational experience.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://www.dbit.in/images/pdf/naac/INNOV_EX_2023_Report.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

DBIT employs ICT-enabled teaching methods, creating a

technologically enriched learning environment. All classrooms and labs are equipped with projectors and high-speed Wi-Fi, facilitating hybrid teaching approaches. Faculty leverage a wide array of ICT tools, including Google Meet and Zoom for tests and lectures, supplemented by interactive resources such as PowerPoint presentations with animations, video clips, and access to online materials from NPTEL, Coursera, and YouTube. Simulation tools, virtual labs, Quizz.com, and various cloud portals enrich the learning experience.

LMS serves as a course management system for materials, experiments, online tests, and e-assignments. Hybrid activities include project presentations, debates, group discussions, mentoring, Parent Teacher Meetings, and Academic Advisory Committee meetings, with WhatsApp groups facilitating communication and information sharing.

Access to online research journals and e-books enhances resources for both faculty and students. Departments organize webinars, workshops, and guest lectures led by industry experts and alumni, ensuring students receive up-to-date insights into the latest tools and technologies. This comprehensive integration of ICT tools enriches the teaching-learning process at DBIT, fostering a dynamic and technologically advanced educational environment.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

63

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

63

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

11

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

704

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The process for IA examinations is as:

- IA1 & IA2 is conducted by the departments.
- Commencement is mentioned in the department academic calendar. IA1 - around fifth week - 40% syllabus & IA2 - around eleventh week - 80% syllabus.
- In consultation with the HoD, syllabus, format of question paper and question bank is shared with the students through LMS.
- IA coordinator is appointed by the HoD who prepares the exam schedule and the supervision chart. After the HoD approval, supervision duties are conveyed to the faculties.
- The timetable is circulated in the teacher-student class groups, displayed on the notice board and uploaded on the website.
- The question paper is approved by the HoD.
- Post examination, the model answer paper is uploaded on LMS.
- Any grievances related to assessment of answer papers are handled by the subject teacher & the HoD.
- Average marks are forwarded to the University through examination cell.

- All records related to student attendance and answer sheets are maintained by the respective department and shared during Parents meet.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.dbit.in/timetable.html

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

The process for redressal of grievance is as follows:

- For smooth conduction of all examinations, the Institute appoints an Internal Assessment (IA) coordinator or Senior Supervisor (for ESE) and Junior Supervisors.
- Grievances related to IA tests are handled by the respective subject teacher.
- However, if not convinced, the student can approach the Head of the department (HoD) and get the query clarified. If required, the HoD can approach the Principal.
- Similarly, grievances related to third year and fourth year end semester examinations are handled by the Principal in coordination with the examination cell.
- Grievances related to orals and practical exams, errors in marksheets or convocation certificates are forwarded to the University through proper channels. For any post examination queries, the student shall have to apply to the University in writing within fifteen days after declaration of the result.
- Grievances related to first year and final year end

semester examinations are reported to the University of Mumbai (UoM). The student can ask for a photocopy and revaluation of the paper to the University, according to the procedure mentioned by the UoM.

File Description	Documents
Any additional information	View File
Link for additional information	https://dbit.in/images/pdf/naac/RedressalGrievances.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

We employ a structured approach to utilize the Programme Outcomes (Graduate Attributes) established by the National Board of Accreditation (NBA) in conjunction with our Vision-Mission statement as the foundational framework for articulating our Programme Educational Outcomes (PEO), Programme Specific Outcomes (PSO), and Course Outcomes (CO).

Each faculty member initiates the academic term with a meticulously crafted teaching-learning plan and lesson plan, which explicitly outline the intended learning outcomes and course outcomes. To ensure a well-rounded perspective, the development of course outcomes and programme outcomes is a collaborative effort, drawing insights from academia, industry experts, and alumni. These outcomes are effectively communicated to various stakeholders, including students, parents, academic advisory committees, and alumni, during events like student orientation, parent-teacher meetings, alumni gatherings.

Display of the Course Outcomes (COs) and Programme Outcomes (POs) in classrooms, laboratories, and on our website was done ensuring transparency and accessibility. During lectures and laboratory sessions, faculty members actively engage students by sharing and emphasizing these COs.

Tests, assignments, experiments as assessment tools gauge the extent of student learning and evaluate the successful attainment of the specified learning outcomes. Comprehensive

approach ensures that our educational programs remain aligned with our stated objectives, fostering a purposeful and outcome-driven learning environment.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://dbit.in/co.html
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

DBIT adheres to Mumbai University's outcome-based curriculum. At the institute level, an academic calendar is established for each semester. Departments then create their calendars, incorporating student chapter activities, club events, and faculty course-related plans. Faculty members develop teaching, lesson, and practical plans before the semester starts, aligning course outcomes with program outcomes in the university syllabus. To address curriculum gaps, a new CO-PO mapping is created with activities to fill these voids, resulting in a new attainment matrix.

Assessments are conducted by departments using various tools/methods, involving data collection and tabulation to evaluate COs and POs. Rubrics are designed for formative and summative assessments, documented in the Teaching and Learning Plan. Students receive course outcomes, program outcomes, and rubrics before evaluations to understand performance criteria and weightage.

Assessment methods encompass class tests, internal assessments, assignments, quizzes, end-of-semester exams, seminars, laboratory work, practical projects, group discussions, and more. Attainment calculations align questions with specific course outcomes and Bloom's Taxonomy levels, ensuring comprehensive student understanding.

Attainment levels for each CO are computed with department-specific weightings, providing evidence of student learning, tracked semester-wise. The process captures diverse aspects of

student knowledge and skills, enhancing the evaluation of their academic progress.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

3

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://www.dbit.in/images/pdf/naac/AnnualReport2022-2023.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://www.dbit.in/naac.html>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

23.14145

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

4

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

2

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.ltts.com/about-us/csr

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The institute's dedication to fostering innovation and incubation is clearly articulated in its vision statement. Don Bosco Institute of Technology (DBIT) is firmly committed to nurturing entrepreneurship among both its students and faculty, and it has taken concrete steps to create an environment conducive to this goal.

The main goals of the IIC are:

- Build a lively innovation community in the local area.
- Get the institute ready for the Atal Ranking of Institutions on Innovation Achievements Framework.
- Create a system for finding and nurturing ideas, and getting them ready for incubation.
- Enhance the thinking and problem-solving abilities of students studying technology.

Three Track Program: Three Track Program of DBIT is active to enhance knowledge, skills, personality & productivity of students. Primary purpose of this cell is to nurture the innovative and creative minds of students.

Intellectual Property Rights (IPR) Cell: The IPR Cell's main goal is to make people aware of Intellectual Property Rights (IPR) and teach them about it through workshops and seminars. They also provide training on IPR and help spread knowledge about patents and how to register them. Additionally, the IPR Cell encourages and trains teachers to apply for research funds from different government and non-government organizations.

The entrepreneurship cell: The Entrepreneurship Cell aims to promote the entrepreneurial spirit among both teachers and students. They organize events to foster this culture. The Entrepreneurship Cell closely collaborates with Incubators and the Innovation Center to offer guidance on creating new and innovative businesses.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.dbit.in/iic.html

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year**3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year**

71

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards**3.3.1 - Number of Ph.Ds registered per eligible teacher during the year****3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year**

4

File Description	Documents
URL to the research page on HEI website	https://www.dbit.in/papers-publications.html
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year**3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year**

10

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

24

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The institute's Vision statement underscores its commitment to fostering holistic development and nurturing socially conscious citizens who will actively engage in the creation of sustainable technologies. Moreover, the institute is dedicated to enhancing the well-being of local communities, not only through a robust National Service Scheme (NSS) cadre but also via various other socially relevant initiatives.

For the year 2021-22, the institute's outreach activities revolved around the following themes:

1. **Education & Health:** Numerous programs were conducted to raise awareness among parents and children about the importance of education and health.
2. **Training on Social and Livelihood Issues:** Awareness sessions were organized for both urban and rural communities, addressing various social and livelihood challenges.

3. **Technical Projects:** Community-based projects were implemented to solve local community problems. These projects were showcased at Innovex, an annual project exhibition and competition, where industry experts evaluated them.

The overarching objectives of these activities are as follows:

1. To facilitate the sharing of expertise and resources for the betterment of underprivileged children, youth, and women within local and rural communities.
2. To sensitize students to critical social issues and encourage them to contemplate the unique contributions the institute can make to address societal problems using design thinking methods.
3. To foster the development of students' character and personality through active engagement in community service across a range of socially significant areas.

File Description	Documents
Paste link for additional information	https://www.dbit.in/nss.html
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

4

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

86

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

2307

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration**3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year****3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year**

123

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year**3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year**

11

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES**4.1 - Physical Facilities**

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

DBIT has full-fledged facilities related to infrastructure and equipment. The major facilities include 15 ventilated and wellfurnished equipped classrooms LCD projector, public address

system and internet connection. 36 laboratories, 2 Seminar halls, an auditorium, 2 cafeteria, office rooms, examination centre, medical rooms, boys & girls common rooms, prayer hall, library, drawing halls and facilities such as football ground, basketball court volleyball court, carom, table tennis, and gym. Labs have modern equipment with facilities such as 3D printers, milling machines, vector network analyser, 32-bit logic analyser, flue gas analyser, antenna test measurement system to expose the students to the latest technologies. DBIT workshop has modern CNC lathes, high-end milling and shaping machines. DBIT offers high-end software like Mat lab, ANSYS Workbench including FLUENT, GENESYS and Solid Works. DBIT provides high-speed internet, LAN and Wi-Fi with a large number of computers facilities. The present students to computer ratio is approx 2:1. Moodle is offered as LMS on amazon cloud. (www.elearn.dbit.in). Campus is CCTV surveillance enabled. The library has a rich collection of books, e-journals, ebooks and plagiarism software. It has a reading, reference and digital section with 30 computers and Low-cost reprography. DBIT provides a hygienic and affordable canteen facility.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.dbit.in/Infrastructure.html

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The Don Bosco culture of learning is based on the holistic development of a student. To stay true to this culture, priority is given to the participation of students in extracurricular and cocurricular activities. To provide a platform for the same, the college provides substantive facilities as given below for the students to venture out and be a part of the amazing array of sports and cultural events. The college is blessed with a lush green field to play sports like football, athletics, volleyball, and throw ball. Adjacent to the football field concrete court is provided to play box cricket, badminton, and basketball. Indoor game facilities like Table Tennis, carom boards, and Chess boards are available in girls' and boys' common rooms. Hysteria is the annual Cultural Festival and Colosseum is the annual technical festival of the college. Hysteria, an Inter department-College Event,

encompasses cultural and sporting events held for all the different departments/colleges in Don Bosco Centre for Learning. A fully-fledged 506 sq.m auditorium holds innovative and sparking cultural events. These include domains of fine arts, literary arts, performing arts and photography, blood donation camp, gatherings, exhibitions, conferences, workshops, and Yoga classes. Yoga classes are conducted by an expert trainer, so as to inculcate it as an integral part of student life. Institute promotes students to play at intercollege and higher level tournaments.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.dbit.in/hysteria.html

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

17

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.dbit.in/Infrastructure.html
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

89.17172

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Year Name of the ILMS Software Nature of automation (fully or partially) Version

Year of automation 2020 - 21 Koha Fully 21.11.11.000 2011.

Cloud based learning management system www.elearn.dbit.in has got all academic support for students and staff.

DBIT Library has reference, circulation, periodical, multimedia, issue-return & reading sections. The Library is housed with required textbooks, reference books, periodicals, and journals. The library is automated using Open Source Koha ILMS, which enables the students and faculty to check books availability, issue, return anywhere on the campus.

Library services are accessible both within and remotely through web Access OPAC, <http://opac.dbit.in>. DBIT has got a research journal and cultivates a research culture amongst students and faculty.

Library is supported with anti plagiarism. Institute also annually takes subscriptions of international e-journals.

The library has dedicated 31 computer terminals connected with 150 Mbps internet so that students can access e-journals, NPTEL video.

DBIT library also collaborates with other technical libraries like IIT Bombay, NDL, etc.

Library committee which also includes students, reviews the progress of the library. The library is updated with the latest

journals, periodicals, and text books as per the curriculum.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	http://opac.dbit.in

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

4.35

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

6928

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

DBIT provides its students with well-equipped IT facilities with 150 Mbps internet. The internet is extended to all classrooms, Laboratories and offices through LAN connections and routers.

All classrooms are provided with a LCD projector, audio system and high-speed Internet connection.

Servers are powered with Xeon and IBM processor. Institute has hosted all web services which are managed internally using Apache / Nginx server along with two public Domain Name Servers locally. IPCop Firewall is used for protecting all servers and computers from attacks.

DBIT has a Central login authentication system (LDAP) facility. Zimbra mail server is used for official communication. The institute makes use of One or Zero Helpdesk & Task Management System for raising technical support. Library uses updated Koha software while Moodle is used as a LMS.

A biometric login system is used for staff attendance management. All students and faculty are provided with storage space in DBCL Drive, cloud-based self-hosted file sync solution with LMS On the cloud.

MIS and NEST (New Exam System Terminal) software used for staff record with Biometric login system, students attendance, and academic activities. NEST is the in-house examination software. Exam cell is also equipped with Khushi examination software. Institute also has a dedicated high-quality audio recording studio.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.dbit.in/Infrastructure.html

4.3.2 - Number of Computers

676

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

262.24

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Systems have been established to ensure that facilities maintenance and upkeep to be used by students and staff.

1. **Laboratories:** The laboratory in charge needs to take care of the up-gradation of equipment and software as per the syllabus. The laboratory assistant along with the laboratory in charge handles the laboratory equipment and maintains the Dead Stock Register (DSR) and the routine maintenance of the equipment.

2. **Library:** Library committee addresses specific needs of the students and staff related to availability of books, accessing of journal articles, utilization of plagiarism software, etc. Librarian with supporting staff maintains a central library.

3. **Sports ground:** The sports committee along with the Sports -in-Charge ensures the availability of sports equipment and monitors the usage of the ground, courts, and indoor games facilities.

4. **Class Rooms:** Classrooms are allocated to all departments along with necessary ICT tools.

5. **IT facilities:** All departments in the college are allotted Computers with essential software and necessary applications. The network administrator along with the assistant's maintains the IT facilities in the institute.

6. **Electrical, Drinking water coolers, Lift:** housekeeping committee inspects the facilities like toilets, water coolers, class rooms, corridors and conveys any specific requirement to the dean administration and principal.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://dbit.in/images/pdf/naac/Procedure_In_frastructurefacilities_DBIT.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support	
5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year	
5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year	
467	
File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File
5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year	
5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year	
2	
File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File
5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above

File Description	Documents
Link to Institutional website	https://www.dbit.in/images/pdf/naac/5.1.3_ReportCapacityBuildingSkillsEnhancementInitiatives.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

252

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

252

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

5

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

30

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State

government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

31

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

1

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Institutions play a pivotal role in fostering student engagement through a diverse range of activities, supported by

various committees such as student councils, student clubs, departmental chapters, departmental events, and more. The Student Council serves as the representative body for the college's student population.

The aim of the Student Council is to encourage student involvement in the institute's developmental endeavors, while also nurturing their personal growth, organizational skills, and career prospects. The Student Council provides a central platform for students to engage in co-curricular and extra-curricular pursuits. It holds responsibility for overseeing all technical, cultural, literary, and sports activities conducted within the college premises. The institute's management wholeheartedly supports the council's initiatives, and a dedicated team of faculty members lends their assistance to ensure their success.

Student clubs and chapters are established with the objective of collaborating with professional organizations. They host seminars, arrange industrial visits, facilitate workshops, and raise awareness about various career opportunities. These initiatives equip students with the skills required for industry readiness, outreach efforts, and sustainable activities.

Student representatives are also an integral part of various committees like anti-ragging, IQAC, CDC, Training and Placement, SC/ST/OBC affairs, Women's Development Cell, Minorities Cell, Website Development and Maintenance, etc.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

33

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The Salesians of Don Bosco, headquartered in Rome, is a global organization dedicated to education and service. In 1968, the Indian National Federation of the Past Pupils of Don Bosco was established in Mumbai. The Alumni Association of DBIT is affiliated with the Mumbai Provincial Federation of the Past Pupils of Don Bosco, which, in turn, is affiliated with the Indian National Federation of the Past Pupils of Don Bosco. DBIT operates within the Kurla unit of the Mumbai Provincial Federation.

Despite this affiliation, individual Don Bosco Institutes have the autonomy to create their own Alumni Associations without the need for formal affiliation letters. In March 2018, the DBIT Alumni Association was formally established, and elections were conducted. Distinguished alumni were recognized for their outstanding contributions to various fields. Over the years, DBIT alumni have played a pivotal role in advancing the institute's growth and development.

Some of the key contributions by alumni include providing financial support for student scholarships, serving on Academic Advisory Committees, delivering expert lectures on emerging technologies, organizing student training programs and workshops, and mentoring students in areas like employment and entrepreneurship.

The Alumni Association's functions encompass holding meetings to formalize objectives, framing the Memorandum of the

Association, setting up an alumni web portal, and identifying yearly activities.

The Mumbai Provincial Federation is to be registered soon. By the affiliation, the DBIT Alumni Association will not need to be registered separately. Presently the accounts of the association are managed by the institute.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year (INR in Lakhs) C. 3 Lakhs - 4Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The institute's Vision is to create an enjoyable and holistic learning environment for the students to transform themselves into socially conscious citizens. The pedagogy is advocated by the "Don Bosco Way" of social inclusiveness and active learning. We see our future engineers as able to conduct research to solve societal and industrial issues and become entrepreneurs in the area of sustainable technologies.

The Institute's mission is to nurture and foster values like honesty, integrity, and sensitivity toward the underprivileged and use innovative problem-solving skills acquired during the program to develop sustainable solutions.

To realise its Vision and Mission the institute has a team of Principal, Various Deans, and Head of Departments. The DBIT Journal of Science and Technology is published each year to showcase the research work done by students and faculty.

To promote entrepreneurship and create a start-up eco-system an E-Cell and Institute Innovation Cell (IIC) have been established. The institution has established a good governance system through the College Development Committee, which helps in understanding the difficulties at the operational levels and continually improving

File Description	Documents
Paste link for additional information	https://www.dbit.in/visionmission.html
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The process of decentralization and participative management is practiced in all aspects of operations. Following are a few case studies:

CASE STUDY 1 Decentralization and participative management have been the culture of our institute for the past few years.

- Prior to the end of the financial year, each HOD submits the department budget to the Principal for the following academic year.
- The HOD gathers the necessary requirements from their departmental colleagues.
- The Principal consolidates all the requirements under various budget heads and presents the consolidated budget before the CDC for their approval, which is submitted before the Board of Governors for approval.

CASE STUDY 2: The subject teacher is authorized to decide the organizing of guest lectures for the students, budgetary provision for the guest lectures and workshops, etc. is part of the department budget. The department plans and executes the curricular, extracurricular, and co-curricular activities

- An example of a co-curricular activity:- Colosseum 2022Annual Technical Festival

File Description	Documents
Paste link for additional information	https://www.dbit.in/colosseum.html
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

DBIT takes immense pride in promoting research at the undergraduate level. Research initiatives have been a significant part of the institute's growth and development.

Strategy Outcome 1: To promote undergraduate research through a final-year project.

Steps to implement the strategy : Students are encouraged to select the problem state during the SE and TE so that they can work on the project for a longer time and thus be able to contribute to good-quality research. This helps in improving the research publication and overall approach to the project.

Strategy Outcome 2: To inculcate design thinking among TE students.

Steps to implement the strategy :

Project Exhibition was previously conducted only for the Final Year students, where they could showcase their project achievements. However, in order to motivate the students of TE to explore the user response and apply design thinking through feedback from users.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	https://www.dbit.in/papers-publications.html
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Service rules:- The institution has framed the Service Rules according to the AICTE, UGC, and UoM norms. The official working hours of the institute are from 9:00 AM to 5:00 PM. The teaching and non-teaching faculty have the benefits of EPF/ Group Insurance Scheme / Gratuity and Casual / Earned / Medical / Maternity / Compensatory Leaves.

Recruitment Policies: The HoDs review faculty requirements as per teaching load and submit the consolidated staff requirement to the Principal. Recruitment takes place according to the norms of the University of Mumbai, AICTE, and rules applicable to institutes with minority status. The selection committee decides the worthiness of the faculty member on his/her performance in the interview according to the parameters. In the case of the Ad-hoc requirement recruitment happens through demonstration lectures and interviews with the panel appointed by the authority.

Promotional Policies: Promotions are based on merit and qualifications required for the higher position. The policy is outlined in the service rule book.

Grievance Redressal and Internal Complaints: The institute has formed a Grievance Redressal Committee to handle student grievances regarding teaching and assessment. The committee has framed guidelines as well as processes for timely review and redressal.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://www.dbit.in/dbit-faculty.html
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and

A. All of the above

Support Examination

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The institute demonstrates its concern for staff well-being by creating a congenial and caring environment on campus.

Following are some of the Staff Welfare Initiatives taken:

- Teaching and non-teaching faculty are provided sponsorship to upgrade their qualifications by sponsoring their Doctoral studies, and sponsorship for skill enhancement like certification and training.
- Rotation of key leadership positions like HOD and Dean amongst the staff to provide an opportunity to develop leadership skills
- Medical checkup for all staff is being conducted.
- Staff Picnic is planned once every two years.
- There is an Insurance Policy for all staff members
- The Campus Minister is available on campus to resolve any conflicts or personal issues of staff
- Class 4 employees are given uniforms every 2 years.
- Snacks and tea are provided to Class-4 employees each day
- Ward of staff given preference under management quota for admission to the program
- Prayer room and infirmary available for staff and students

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

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

17

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

15

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

30

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Teaching faculty appraisal:

- The appraisal system is used as a tool to offer or deny

increments and promotions. The appraisal process not only evaluates the faculty performance against stated parameters but also provides guidelines for upgrading oneself.

- The appraisal process comprises the following elements:
 - Faculty self-appraisal and Management review is conducted once a year by Management.
 - Peer review of classroom teaching is carried out every semester by the senior faculty and Dean-Academics once every semester.
 - A review of Coursefile is carried out by peers once every semester.
 - A review of learning material uploaded on MOODLE is carried out by the MOODLE review team once every semester.
- Student feedback on the teacher is conducted twice every semester.

Non-teaching staff:

- The performance appraisal of non-teaching staff is carried out by their respective HODs.
- Different self-appraisal formats are used to capture data and information regarding the staff's attitude towards work, efficiency, and commitment.
- The HOD reviews these formats and counsels and motivates the staff to improve performance.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The college has the mechanism of both internal and external audits for the financial activities carried out. Accounts department is headed by Accounts Incharge who maintains financial accounts and prepares all financial statements and submits them to all statutory bodies like AICTE, Shikshan Shulka Samiti (SSS), etc when required. The institute is a self-

financed private institute thus the main source of income is the tuition fee collected from the students. SSS decides the fee on the basis of the expenditure incurred by the institute. The institute submits audited statements of accounts as evidence annually or when required. The final statement of accounts is audited by an external chartered accountant every year.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

8.5836

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

STRATEGIES FOR RESOURCE MOBILISATION

1. Motivating faculty to apply for research grants of UGC, AICTE, DSTE, BARC, IEEE for funding research activities and purchase of high-end equipment for laboratories
2. Conduct Value added courses for students other than those mandated by the curriculum
3. Carrying out consultancy work for industry
4. Use of laboratory equipment for testing
6. Applying to various bodies for grants for conducting Short Term Training Programmes on new technologies
7. Sponsorship from corporates of student activities like

competitions, technical festivals, cultural and sports festivals., and participation in national competitions like SAE -BAJA, GKDC, etc. 8. Approaching alumni, parents, and well wishers for donations and sponsorship of the following activities: Fees, books, laptops for economically backward students Sponsorship of activities for community development Funding of conferences and workshops Purchase of laboratory equipment

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Following are the critical tasks taken by the IQAC during 2022 - 2023:

1. Academic Audits

Academic Audit is planned and executed by the Dean of Academics on behalf of the IQAC. The following are the components of the academic audit:

- Peer Review of the Lecture delivery in the class
- Moodle Audit to ensure availability of the lecture notes on the LMS.
- Course file audit at the end of the semester to provide completion of course-related documentation.

2. NAAC data analysis

Data analysis of the last four AQARs was carried out with regard to each other and the DVV benchmark released by the NAAC. This is presented to all the staff so they know the progress and the growth the institution has made due to accreditation. This also helped in setting targets for coming next accreditation cycle.

3. Innovex as part of miniprojects.

Innovex (project competition) was conducted for TE, students to expose them to real-life problems and sensitize them towards societal problems, so as to take those problems as major projects.

4. Document Review as part of preparation for ISO 9001:2015 recertification

Documents related to the ISO 9001:2015 were reviewed by the NAAC team.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The Internal Quality Assurance Cell (IQAC) diligently oversees the teaching and learning processes, employing a systematic review methodology to ensure their optimal execution.

The Academic Monitoring Committee conducts an audit of the Learning Management System (LMS) Moodle, during a semester. This audit inspects the availability and accessibility of essential educational resources, including teaching and learning plans, lecture notes, lab manuals, sample question papers, and module-wise multiple-choice questions. This aims to ascertain that the required materials are adequately present and accessible for both faculty and students, supporting a conducive learning environment.

Additionally, peer review helps assess the content delivery by faculty members. Peer reviews are conducted to assess the quality of teaching. This collaborative evaluation encourages an exchange of best practices and constructive feedback among peers.

Feedback from students regarding faculty performance helps to understand students' perspectives on the effectiveness of content delivery and provides insights into areas for improvement.

At the conclusion of each semester, a course file audit is carried out. This audit serves as a final assessment, evaluating the overall compliance and adequacy of educational resources and documentation associated with the courses. Through this audit, any deficiencies or areas requiring enhancement are identified and documented.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://dbit.in/images/pdf/naac/AnnualReport2022-2023.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Don Bosco culture promotes gender equity. To convert core values

into action plan, equal opportunities are provided. All are treated equally. The student's council representing the committees, professional bodies and clubs across college, has taken several promotional measures.

(a) Safety and Security • Surveillance for 24x7. • Faculty discipline committee. • Awareness campaigns on women safety and gender sensitivity through street plays by drama club. Posters on gender equity are struck around the campus.

(b) Counselling • Formal avenue for counselling students on their issues/problems.

(c) Common Rooms: • Common rooms for male students and female students, which facilitate meetings and indoor games.

(d) Other Measures: Co-curricular activities - 2022-23-IEEE-DBIT WIE Student Chapter organized a workshop on 'Why Women need better Designs', for the students of all the programmes on 16 March 2023 at 9:30 am. The speaker was Dr. Prasanna Nambiar, Principal, DBIT. The objective of the event was-

i. Awareness of existing products that are women unfriendly

ii. Identification of specific needs of women in a product

iii. Expression of needs of women for making women centric products

iv. Recreation of products. An exercise was conducted to create an insight by brainstorming on various case studies to identify the needs of women.

File Description	Documents
Annual gender sensitization action plan	https://dbit.in/images/pdf/naac/GenderSensitizationPlan-AY-2022-23.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://dbit.in/images/pdf/naac/7.1.1_Specific_Facilities_provided_for_women.pdf

7.1.2 - The Institution has facilities for

B. Any 3 of the above

alternate sources of energy and energy conservation measures Solar energy **Biogas plant Wheeling to the Grid** **Sensor-based energy conservation** **Use of LED bulbs/ power efficient equipment**

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Waste management is utmost important for the institute to create eco-friendly campus environment. Institute manages daily waste produced in several ways. Institute owns the paper shredder which is available with the exam cell to take care of paper waste. The institute canteen produces 10 to 15 kg of wet waste daily. This wet organic waste is fed in to the compost pit to produce compost. The size of the pit is about 6 ft long x 5 ft wide x 2.5 ft deep with generation rate of 300 kg/month. The plant leaves and grass are also are fed to compost pit to produce nutrient rich compost. This compost so produced is either sold by NSS to third party or used for institute garden and landscaping. NSS and The SIE club (Sustainable Innovations for the Environment) conduct waste management awareness programs for students of the institute. Metal waste from the workshops and project lab are salvaged or sold to the scrap dealer. Electronic and computer accessories which are declared as obsolete are sold at salvage value for recycling to vendors who provide the e-waste management certificate with MPCB (Maharashtra Pollution Control Board). The institute has an E-waste management policy which is followed.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

E. None of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

B. Any 3 of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	D. Any 1 of the above
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	A. Any 4 or all of the above
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File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The Vision statement of the institute is about developing a socially responsible citizen. College endeavours to instil the right attitude and moral responsibility among the students and faculty by organizing various events to promote social harmony. Many events related to ethical, cultural and spiritual values are conducted every year. The institute conducts cultural activities for the students. Also clubs like Music club, Marathi Club, Literary Club and Dance club are part of the institute cultural scene. The outreach committee along with the NSS engages with underserved communities around the campus and provides an opportunity to sensitize the students about the needs and challenges of the weaker sections of society and trains them to innovatively address their needs through mini and major projects. NSS with the involvement of students conducted several activities like computer literacy for school students, CPR workshop, ITI bridge course, tutoring school students in the evening, teaching 3D modelling and 3D printing to college going students, teaching Utkal school students, Versova beach clean-up, blood donation camp, eco garden etc. In addition to this institute student council conduct lot of events such as leadership camp, department days, Colosseum, Hysteria, Teknack, library exhibition etc.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Don Bosco Institute of Technology (D.B.I.T.), envisions students to be socially conscious citizens. In view of this institute inculcates values among students that educate them to be better citizens. Students undertake activities in alignment with fundamental duties that foster common brotherhood, respect culture, and preserve natural environment. To celebrate 75 years of India's Independence, a three days festival "Azadi se Aaj Tak" was celebrated on 10th - 11th August. Students

participated in elocution with themes "Good Citizen ", "My Constitutional rights" , "My right is also my responsibility", also solo singing, Rangoli making were among other activities. It concluded on 15th August in campus in attendance of students, teaching, non teaching staff of DBIT. On 26th January on occasion of Republic day, NSS along with ISHRAE served the local community through a special event. Flag Hoisting was done in campus followed by 'Awareness Rally on Save the Environment'. The team planted 75 trees in the Holy Cross High school campus, Kurla. D.B.I.T., celebrated it's Patron day on 20th March with Traditional day and Marathi day was celebrated on 5th April, respecting Indian tradition and secularism through dance and music

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://dbit.in/images/pdf/naac/7.1.9-report.pdf
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff
4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Institution celebrated the following commemorative days, events and festivals in AY-2022-23.

1. Independence Day: The theme of this year is 'Azadi se Aaj Tak'. The flag hoisting was around 9:00 AM witnessed by 120 people. The literary society and NSS club organized elocution, poetry recitation and rangoli competitions.
2. Teacher Day: Teacher day was celebrated by students council by issuing gratitude, greeting cards with roses and chocolates.
3. Engineers Day: IEEE DBIT Student Chapter, celebrated a session attended by 75 students on 15th Sept 2022 at 02:00 to 03:30pm, Mondini Hall. The Guests for the events was Dr. Prasanna Nambiar (Principal) and Ms. Namita Agarwal (EXTC HOD).
4. Women's Day: Student council organized celebrations on 8 March 2023 from 11:00 - 12:00 pm. All women teaching non-teaching faculties (75) participated in watching an awareness video to reassure themselves about the values women possess as an individual, family, society, or be in any profession arena.
5. Traditional Day: 20 March 2023, the student council organized and celebrated in Mondini Hall from 3 - 5 PM. The event witnessed enthusiastic participation from both students and faculty and charged with energy cause of 400 people joined to celebrate the cultural heritage.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practices

1. Using community based projects as a tool to develop students analytical skills, creativity and innovation and enhance student learning – The VISION statement of DBIT mentions about transforming students into Socially Conscious Citizens. To realize this vision, students are formally engaged in activities which sensitize them to needs of the community. Students identify problems that could be solved using their skills. These problems are converted into projects on which they work, build prototypes and test it. The actual project is then designed. Students have designed innovative projects for the community.

.The community is happy with the interest shown by the students in understanding their problems and is willing to extend any help. This has helped build a close relationship between the institute and the communities.

2. Awareness of Innovation and Entrepreneurship amongst students and Faculty members of DBIT- This is an initiative to promote entrepreneurship as a career among the students and faculty at DBIT. Entrepreneurship and startup are at the core of New Education Policy 2020. At DBIT, we have adopted the National Innovation Startup Policy by the Ministry of Education and have been conducting pre-incubation activities. Our flagship programme in this genre is Make-A-Thon of which two editions have been successfully conducted. Students have also been winning competitions like Smart India Hackathon which demonstrates their ability to ideate, think out of the box.

File Description	Documents
Best practices in the Institutional website	https://dbit.in/images/pdf/naac/Best_Practices-4_2023.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Holistic Development of Students

Holistic development of students encompasses nurturing their intellectual, emotional, social, and physical growth. It goes beyond academic achievements, focusing on cultivating critical thinking and problem-solving skills. Emotional well-being and resilience are prioritized through counselling and support systems. Holistic education recognizes that each student is unique and seeks to empower them with a well-rounded skill set, enabling them to thrive academically and as well-rounded individuals, contributing positively to society.

A 3-TRACK PROGRAMME is designed to provide each student with opportunities for self-discovery, and realisation of one's potential. The 3 tracks are-

TRACK 1 - ACADEMIC track with academic activities like lectures and practical. This is driven by the teaching faculty and is curriculum centric.

TRACK 2 - ASPIRATION track which comprises of all co-curricular activities. This track is driven by student clubs and chapters and is expected to make every student aspirational in terms of knowledge and skill gathering.

TRACK-3- WELLNESS track which is about emotional, social and spiritual growth of the student. This track focusses on building skills that will complement the students educational journey. The departments plan the activities for each track and monitor students progress. Parents are also make a part of students journey.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Optimization in Timetable:

- To minimize the academic interruptions due to the extra-circular activities, a "Student Activity" slot will be introduced in the time table. This will help the students to develop their event organizing, leadership and collaborative skills, without compromise of the studies.

Register for ISSN of DBIT Journal of Science and Engineering:

- During the academic year 2023 - 2024, we will look at the feasibility of registering the "DBIT Journal of Science and Engineering" for ISSN. Based on the feasibility proceed to register for ISSN and further UGC Care listing.

To promote problem-solving through coding skills:

- As a part to promote the coding culture among the students', Google Developer Students Club will be installed in the college. This will promote peer - to - peer learning and reduce the hesitation towards coding.
- Also students will be given assignment which would include solving the real-life issues or simulation of the problems in various domains.

To improve soft skills of students:

- As a part to improve the soft skill of students, the Training and Placement Officer will conduct the soft skills training for the students.