YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	Guru Nanak Institute of Technology
• Name of the Head of the institution	Prof. (Dr.) Santanu Kumar Sen
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	9432012683
• Alternate phone No.	9830751850
• Mobile No. (Principal)	9432012683
• Registered e-mail ID (Principal)	principal_gnit@jisgroup.org
• Address	GURU NANAK INSTITUTE OF TECHNOLOGY, 157/F, Nilgunj Road, Panihati
• City/Town	Kolkata
• State/UT	West Bengal
• Pin Code	700114
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	29/02/2016
• Type of Institution	Co-education
• Location	Urban

• Financial Status	**Self-financing**
• Name of the IQAC Co-ordinator/Director	**Dr. Sunipa Roy**
• Phone No.	**03325233900**
• Mobile No:	**+919830751850**
• IQAC e-mail ID	**iqac@gnit.ac.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://gnit.ac.in/wp-content/uploads/2022/02/AQAR-20-21.pdf
4.Was the Academic Calendar prepared for that year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://gnit.ac.in/academic-calendar/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	**A+**	**3.32**	**2022**	**22/11/2022**	**16/11/2027**

6.Date of Establishment of IQAC	**28/02/2014**

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Food Technology Department (FT)	Extension of NBA Accreditation for BTech in Food Technology	NBA, India	11/08/2021	0
MOE-IIC Section of Guru Nanak Institute of Technology	IIC Regional meet	MoE, India	29/07/2022	280000
Guru Nanak Institute of Technology	Mentor Institute	MoE, India	08/09/2021	0
Guru Nanak Institute of Technology	National Institute for Empowerment of Person with Visual Disabilities (NIEPVD)	Govt. of India	03/03/2022	500
Guru Nanak Institute of Technology	E-SodhSindhu/ N-List	INFLIBNET	17/05/2021	5900
Guru Nanak Institute of Technology	NDLI	Govt. of India	01/07/2021	0

8.Provide details regarding the composition of the IQAC:

• Upload the latest notification regarding the composition of the IQAC by the HEI	View File	

9.No. of IQAC meetings held during the year	3
• Were the minutes of IQAC meeting(s) and compliance to the decisions taken	Yes

uploaded on the institutional website?		
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Did IQAC receive funding from any 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)

1. The Internal Quality Assurance Cell of the college has been continuously developing a system to enhance the academic and administrative performance of the institution and to uphold strategies for quality augmentation and Maintenance. 2. Expansion of Smart Classroom Facility and WiFi connectivity with high-speed bandwidth. Upgrading the Library Facility via professional collaborations and quality subscriptions. 3.Incorporation of Online Attendance, Routine, Online Courseware and up-gradation of the examination system, Online Answer Script Checking, etc. 4. Encouragement to obtain research funding, application for patents, publication in SCI/SCOPUS indexed journals. 5.IQAC in collaboration with IIC cell organized several entrepreneurship development programs to motivate students to build their own start-ups.

12.Plan of action chalked out by IQAC at 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
Analysis of the feedback from stakeholder	**Feedback was collected from the different stakeholders and analysis had been done and action had been taken against those.**
Result analysis	**Result analysis of odd and even semesters have been done and it was compared with the previous semesters and that was placed in the meeting of IQAC cell. The gap analysis has been done and departments were requested to**

	take necessary actions.
Curricular Planning and Implementation	Beyond curriculum Training (BCT) has been organized to increase the employability of the students. Event and Academic Calendars were prepared for smooth conduction of the academic and extra curricular activities.
Review of R & D Activities	Students along with faculty members took initiative to publish research papers in journals of repute, renowned conferences, and workshops. They also published patents and got several R & D grants from government as well as nongovernmental organizations.
Analysis of Students Satisfaction Survey (SSS) 2020-2021	Questionaries as prescribed by NAAC were given to the students and feedbacks were collected, analyzed, and reviewed by the external experts.
Review of AQAR prior to submission of NAAC	Meetings were conducted in presence of the Principal, several departmental HoDs, and external experts to review the status of the AQAR before submission.

13.Was the AQAR placed before the statutory body?	Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Academic Council	12/12/2022

14.Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
2022	18/01/2023

15.Multidisciplinary / interdisciplinary

The institute understands the vision of the National Education Policy, which is to deliver high-quality education in order to develop human resources in our country as global citizens. Faculty members discussed the core principles of NEP, such as variety in all curricula and pedagogy, technology advancements in teaching and learning, supporting logical decision making and innovation, critical thinking, and creativity. In response to the NEP, the university has established new interdisciplinary centers that bring together many departments in addition to the current inter/multidisciplinary research and academics. Multidisciplinary/Interdisciplinary courses are being offered as electives in academic programs. All programs are designed to give students the most freedom in selecting elective courses from different departments, such as computer vision and cloud computing, robotics, hardware monitoring etc. It can be said that the Institute is proactively working towards the implementation of NEP.

16.Academic bank of credits (ABC):

GNIT will formally register in the ABC portal as soon as the order released from the affiliating University.

17.Skill development:

AICTE has introduced a Skill Development (SD) Cell to train youth by providing them skills through AICTE approved Colleges with objective for enhancing their Employment/Self-Employment opportunities. GNIT is one of the institute to implement this concept to implement its own skill development strategy. In support of “Start-Up Policy for Technical Institutions”, institute has started the start-up initiatives and good numbers of students and faculty members are engaged with start-up activity. GNIT Super 30 – The Entrepreneurs’ Elite Club has been developed mainly to create and nurture the Entrepreneurship talents in some potential students and create an eco system for entrepreneurial engagements thereby up-scaling and up-skilling the GNIT-ians. The main focus of this GNIT Super 30 concept is to empower individuals with the entrepreneurial skills. GNIT Super 30 aspires to support business ideas and innovators as

they develop, launch, and commercialize their top-skill and motivate the students to bring out their latent spirit of Entrepreneurship. MoU has been signed with the agency enlisted under start-up India and many more are in order. Aptitude and Soft skill trainings are conducted from Training and Placement cell in support of employability enhancement. The institute implemented a policy of Beyond Curriculum training realizing the importance and the necessity for developing skills among students, and creating work ready manpower on large scale. This newly adopted curriculum and the training imparted will help the program aspirants to get fully trained in accordance with the SD Cell. GNIT aims at providing quality education combining class room centered formal education and training with experience sharing of Industry practitioners and internships in business houses. The focus is towards integrated knowledge acquisition and upgrading human skill towards creating a new league of employable youth. Teaching and training methodology of courses offered under GNIT are designed accordingly as per the requirements of Industry 4.0 by introducing Intellectual property right and Entrepreneurship and Innovation skill.

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

GNIT encourages learning of Indian knowledge system by incorporating the mandatory courses like “Essence of Indian knowledge tradition” and “Constitution of India” in the curriculum. Programs including webinars and seminars are also offered to enhance the traditional knowledge of stakeholders and to understand the cultural values. Further, Values &Ethics in curriculum B.Tech, teaches cultural values in Indian tradition so an engineering student can imbibe value orientation while in job.

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

GNIT is focused on outcome based education. All its programs are offered as outcomes-based education (OBE) which are designed keeping in mind the regional and global requirements. GNIT has implemented outcome-based education with clearly stated Program Outcomes, course outcomes and Program Specific Outcomes. All courses are designed in support with Bloom’s Taxonomy by incorporating different levels like remember, understand, apply, analyze, evaluate and create. Apart from the domainspecific skills, learning outcomes at all levels confirm social awareness and ethics, as well as entrepreneurial skills so that student contribute proactively to economic, environmental and social happiness of the nation. The Program Educational Objectives (PEO) are in alignment with Vision and Mission of the institute. Course Objectives (COs) are also aligned

to the PO-PSO philosophy. All course syllabus has been designed with due consideration towards 'More holistic and Multidisciplinary Education' to apply the spirit of NEP.
20.Distance education/online education:
As a result of the COVID-19 pandemic, educational institutions across the country are increasingly relying on digital platform to engage students, organize conferences, and hold meetings. Leaving aside the disadvantages of lack of face-to-face learning, online education has broken down geographical barriers, allowing professionals and students from different parts of the world to engage. The liberalization of the economy, including that of educational institutions, has prepared the door for the adoption of a hybrid method of instruction using a learning management system (LMS) that combines online and offline resources. This can be thought of as the new normal, which is also envisioned in the New Education Policy. Access to online resources for instructors and students will no longer be a constraint, thanks to the experience learned during Covid-19's closing period.

Extended Profile

1.Programme

1.1 **9**

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 **2117**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 **553**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 **4230**

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 **758**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 **152**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	**9**

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 Total number of students during the year:	**2117**

File Description	Documents
Institutional data in Prescribed format	View File

2.2 Number of outgoing / final year students during the year:	**553**

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 Number of students who appeared for the examinations conducted by the institution during the year:	**4230**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 Number of courses in all programmes during the year:	**758**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 Number of full-time teachers during the year:	**152**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3 Number of sanctioned posts for the year:	**152**

4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**439**
4.2 Total number of Classrooms and Seminar halls	**44**
4.3 Total number of computers on campus for academic purposes	**810**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**707.57**

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

After receiving autonomous status from the academic session 2016-17, Guru Nanak Institute of Technology (GNIT) has continuously aimed to design the curriculum and syllabus for the undergraduate and postgraduate programs in compliance with the guidelines of regulatory bodies and affiliating university, considering all stakeholders' feedback on the existing curriculum.

The key components for planning and developing the curriculum and syllabus are:

· Stakeholder’s feedback and corresponding analysis report to identify the current needs

· Curriculum of different Pioneer institutes of regional, national, and international repute

· Suggestions from different academic and industry experts

· Modern emerging trends on technological enrichment

· Environmental and societal challenges

The process of development and regular revision of the curriculum and syllabus goes through several committees such as Departmental Academic Committee (DAC), Board of Studies (BoS), Academic Council (AC), and finally the Board of Governors (BOG).

The curriculum incorporates courses of various types with focus on the issues related to Employability, Environment, Sustainability, Gender Equality, Skill Development, and Entrepreneurship in alignment with the various policies of State and Central Government as well as international bodies.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://gnit.ac.in/curriculum-and-syllabus/

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

7

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

531

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

298

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

9

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

GNIT keenly emphasizes on the holistic development of the students and thereof focuses on important areas such as Professional Ethics and Human Values, Gender Equality, Environment and Sustainability.

The courses that address Professional Ethics and Human Values:

Keeping focus on Professional Ethics and Human Values, the curriculum and syllabus has been framed to incorporate relevant courses to skill the student towards self and moral development, comprehend the effects of technological growth and educate the ethics and human values in organization.

The courses that address Gender:

The curriculum includes appropriate courses to raise consciousness in psychological, social, and economic issues, such as women development and gender parity in institution. The courses aim to create awareness through activities linked with Women's Cell of the institute.

The courses that address Environment and Sustainability:

Institute integrates several courses addressing Environment and Sustainability in the curriculum to create consciousness towards the natural environment and its correlation with human behavior. The objective of the courses is to realize the necessity of preserving the natural resources and prevent its depletion by moving towards renewable and non-conventional energy sources.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered

during the year

25

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

1037

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1856

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	**A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	https://gnit.ac.in/upload/gnit-naac/criteria-1/Stakeholder's_Feedback_Analysis_2021-22.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://gnit.ac.in/upload/gnit-naac/criteria-1/Action_Taken_Report_2021-22.pdf
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

558

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

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

96

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 students' learning levels and organises special programmes for both slow and advanced learners.

The students admitted into this institution are from diverse social, economic, cultural and vernacular backgrounds, with different levels of knowledge and skills; hence their learning process gets varied based on the aforementioned distinctness. Students are our primary stakeholders and they are taken care with mentoring, counselling and providing ample opportunity to upgrade themselves to exhibit talent during their course tenure at the Institute and excel in their future life.

Mentoring and counselling helps towards overall development of students. The Departmental Academic Committee meet at least once a month to discuss academic matters including the challenges faced by the student and academic growth of the students and accordingly decisions are taken.

As soon as students are admitted in a course, a diagnostic test is conducted to assess the learning levels of the fresh undergraduate students. After this test, the result is analyzed and initial category of the slow learners and advanced learners are identified. Based on their proficiency and competency levels the students are given different the form assistances for a reasonable growth ahead. Apart from diagnostic tests, students are also identified as slow-learners and advanced learners through Unit Tests from 2nd year onwards for appropriate guidance and assistance.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-2/2.2.1 supporting document.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/06/2022	2117	152

File Description	Documents
Upload 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 offers a constructive platform for students to sharpen their skills and knowledge and enhance moral values to mould their career and attitude towards right direction. Each department of the institute organizes technical fest apart from the institutional technical fest to showcase their technical potentiality through real-life models in the form of innovative projects. The institute also organizes cultural fest every year where students showcase their cultural diversity and talents. Students are always encouraged to take part in state level, national level as well as international level of events and competitions.

The institute uses several student-centric methods for enhancing learning skills and abilities of students. Active involvements and efforts of faculty members ensure the effectiveness of the activities through adoption of the following student-centric methods.

1. Experiential Learning:.

- **Peer Assisted learning**
- **Virtual lab**
- **Workshop**
- **Activity based learning**
- **Technical report writing**
- **Industry visit**
- **Demonstration by students**

2. Participatory Learning:

- **Seminar by students**

- **Blended learning**
- **Group discussion**
- **Technical presentation**

3. Problem-solving methods:

- **Open book exam**
- **Simulation techniques**
- **Case study**
- **Prototype modeling and display**
- **Project based learning**

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-2/2.3.1 supporting doc.pdf

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

To implement the effective teaching learning process, Guru Nanak Institute of Technology (GNIT) uses all possible avenues of ICT techniques and tools and online resources. GNIT has its own Online Learning Management System (LMS) where students can get variety of resources like video lectures of his/her own class teachers as a repository. Students also can access courser courses as GNIT has signed MOU with Coursera for value added courses. The teachers use the ICT enabled classes to enhance the quality of teaching-learning process. Apart from our own LMS, the teachers also use the our own procured and dedicated MyPerfectice online teaching platform and Whiteboard facility to conduct online classes, upload the course materials, technical presentations, learning materials, assignments etc in the LMS portal. They can also make some announcement prior to the next class through this portal.

With all ICT tools apart from regular teaching learning process Mentors can effectively monitor and guide the students to prepare them industry ready by conducting regular online tests through MyPerfectice platform. This continuous evaluation and teaching-learning process helps teachers to find out the particular learning needs of the students, their strength and weakness and identify the slow learners and advanced learners.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-2/2.3.2_Provide_link_for_webpage_describing_ICT_enabled.pdf
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

104

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Guru Nanak Institute of Technology (GNIT) devotedly follows systematic approaches so as to strictly follow to the well-organized academic calendar by strict adherence to the teaching plans developed by each individual teacher keeping into consideration of the prior distributed academic calendar to all. GNIT is keenly focused to the holistic development of the students. The well-organized teaching process helps the students to grow completely. The faculty members conduct the classes through participation, experiential and problem solving process throughout the semester that enables the students to get well involved and helps to learn to learn the subject effectively.

The Academic Calendar is developed bi-annually and much before the commencement of the new semester classes. The calendar gets reviewed after every 3 months for any relevant post date edition. The calendar consists of academic and non-academic activities which consists of the teaching days, holidays, important national days, mandatory seminar/conference/workshop dates, Internal Test (both Unit Test –I and Unit Test –II) dates, Question paper submission date, answer script evaluation deadline date, semester examination date and alike which are relevant to the students and

as well as all staff members.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

152

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

40

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

930

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

16

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

5

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

The entire evaluation work is done through an online examination management system and is completed within time.

Attendance approval:

Attendance approval by HOD is done after Accounts approval for fees clearance.

Student Online Examination Form Fill up process

Approved students can fill and submit the form and pay requisite examination fees online and can download the admit card from examination portal using their credential.

Marks Entry, Online Answer Sheet Evaluation and Result Publication process:

Internal marks entry is done using HOD credential reports are generated using COE login.

Evaluation is carried out using DVS system through separate login IDs for each Examiner with annotations. 10% of the answer script are randomly selected by the DVS and mapped to head examiners. Re-evaluation is carried out by the head examiners using DVS through HE login IDs.

Positive Impact of IT Integration:

1. **Continuous Internal Assessment (CIA) system ensures transparency and integrity.**
2. **Complete automation of examination helps in the successful execution of entire examination process on time.**
3. **This system helps students to prepare consistently and outshine not only CIA but also in semester examinations.**
4. **The assessment process gives enough scope to improve student's performance.**

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-2/2.5.3_supporting_document.pdf

2.6 - Student Performance and Learning Outcomes

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

The Institute switched over to Outcome Based Education (OBE) in 2016 to impart education through student centric approach, to increase the students' employability and follow outcome-oriented teaching learning process. Programme Outcomes (POs), Programme Specific Outcomes (PSOs), Course Outcomes (COs) as well as Program Educational Objective (PEO) has been formulated for all the UG and PG programs. All the COs of all courses of the curriculum are defined clearly with the CO-PO mapping to indicate its importance and included in the syllabus. All the Programme Outcomes and

Course Outcomes for all Programmes offered by the institution are shared to all the stakeholders in the form of different activities and displaying on the institutional website. These got communicated time to time to all teachers and students in a well-defined way through seminar/workshop and placing display boards in important locations and laboratories of the respective departments.

Display Media:

All Laboratories, Departmental Corridors, faculty room, classroom and department library

- **Print media:**

- **printed and displayed on each laboratory manuals**
- **In every course file**

Electronic Media: www.gnit.ac.in

- **Communication Media: Departmental Academic Committee meeting Orientation Program, Induction Program, Alumni meet, different Meetings, Mentor's Meet etc.**

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://gnit.ac.in/upload/gnit-naac/criteria-2/2.6.1_supporting_document.pdf

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

At Guru Nanak Institute of Technology, all the departments have prepared the curriculum by considering the POs and PSOs of the corresponding program to certify mapping of all COs, POs and the PSOs of the curriculum.

CO Assessment Processes:

?Continuous Internal Assessment tests

?Semester End Examinations

All the COs are mapped in the end semester questionnaires, Mid-semester Assessments (Unit Tests), Assignments and Quizzes.

PO and PSO are carried out through Direct method and Indirect method.

Measuring CO attainment through Cumulative Internal Examinations (CIE)

Attainment Level of courses is set as below by the program:

CO-Attainment Level -Target level 1: 60% students obtaining 60% and above

CO-Attainment Level -Target level2: 70% students obtaining 60% and above

CO-Attainment Level -Target level 3: 80% students obtaining 60% and above

Overall CO attainment=50% credit from CIE + 50% credit from SEE.

Overall PO/PSO attainment = (80% of Direct Attainment) + (20% of Indirect Attainment)

Direct Attainmentis measured through -

- **Semester End Examination (SEE)**
- **Cumulative Internal Examinations (CIE)**

Indirect Attainmentis measured through various surveys as follows:

- **Alumni survey**
- **Program Exit (final year students) Survey**
- **Employer Survey**
- **Faculty Survey**
- **Parent Survey**

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-2/2.6.2_supporting-doc.pdf

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

553

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-2/2.6.3-Annual_report_2021-22.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://gnit.ac.in/sss/

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution’s research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The prime objective of Research & Development (R&D) committee of Guru Nanak Institute of Technology(GNIT) is to nurture and upgrade the research potential of the students and faculty members of the GNIT for brighter and prospective careers. R&D committee has strengthened the research activities by incorporating a well-developed Research Policy in 2016, approved by the Board of Governors (BOG) dated 12.07.2016, with subsequent amendments in

the year 2017, 2018, 2019 and 2021.

GNIT provides ample research facilities in terms of infrastructure, financial assistance, awards, appreciation, interdisciplinary research scopes, collaborative research facilities with outside world and upgraded laboratory facilities to promote and inculcate research culture. The R&D policy is focused on regular updation of Research Directory and internal research facilities to promote research activities.

The updated Research Policy of the Institute is made readily available on the Institutional website, https://gnit.ac.in/upload/gnit-naac/criteria-3/3.1.1_Policy_document_on_promotion_of_research.pdf.

Apart from the R&D committee there exists two more R&D support committees viz. Research Advisory Committee and Research Ethics Committee which organize periodical meetings. The Research Advisory Committee mainly focuses on new developments, emerging areas of research and ongoing funded projects for faculty and students. The Research Ethics Committee deals with the assessments of proposals and respect to ethical standards.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://gnit.ac.in/wp-content/uploads/2022/0 2/Promotion-of-Research.pdf
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

5.117

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

3

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

31

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

04

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-3/3.2.2_Any_additional_document.pdf
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

13

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

03

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.zaubacorp.com/company/GAPCRUD-PRIVATE-LIMITED/U80301WB2021PTC246914, https://growthpanda.co/, https://www.reunitedtechsolution.com/
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Guru Nanak Institute of Technology (GNIT) has established

dedicated centers for research, entrepreneurship, community orientation, Incubation to inculcate the values of research, innovation, creation and transfer of knowledge to support the students and stakeholders.

In accordance with NISP (National Innovation and Startup Policy), GNIT has undertaken a number of efforts to engage students and faculty in the process of innovation and entrepreneurship. GNIT has several practices like hosting a project exhibition, model display competition, pitching deck, awareness program where students can present their innovative ideas with or without prototype. GNIT has also taken an active role in collaborating with various private and government bodies for the benefit of students and faculty members.

GNIT has established Institution Innovation Council (IIC) under MIC & Entrepreneurship Development Cell (EDC) to support the student and faculties to achieve technology ready and transfer level of research and innovation.GNIT has secured four-star and five-star rating by IIC, Government of India (GoI), for the academic years 2018-2019 and 2019-2020 respectively. Furthermore, 8 Faculty members have undergone the Innovation Ambassador Training in June 2020 conducted by National Innovation and Startup Policy. One faculty member has been nominated for the NISP training and implementation in the Institute.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-2/3.3.1.pdf

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

22

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software	A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

8

File Description	Documents
URL to the research page on HEI website	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-3/3.4.2.pdf
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

0.835

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

105

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gnit.ac.in/upload/gnit-naac/criteria-3/3.4.4 Any additional information.pdf

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

176

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

6

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

25.09

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

411000

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Guru Nanak Institute of Technology has always focused on the holistic development of the students by addressing the social issues. The mindset to work for the betterment of the community and society is being nurtured through the mandatory non- credit course including National Service Scheme (NSS) and extended

activities for Mandatory Additional Requirements (MAR). To instigate the socialistic approach among the first-year students, the NSS, an initiative of the Ministry of Youth Affairs and Sports, Government of India, is considered mandatory. Guru Nanak Institute of Technology has always focused on the holistic development of the students by addressing the social issues. The mindset to work for the betterment of the community and society is being nurtured through the mandatory non- credit course including National Service Scheme (NSS) and extended activities for Mandatory Additional Requirements (MAR). To instigate the socialistic approach among thefirst-year students, the NSS, an initiative of the Ministry of Youth Affairs and Sports, Government of India, is considered mandatory.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-3/3.6.1_2021-22.pdf

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

28

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

12

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

1522

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

162

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

22

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

Smart Seminar Rooms: 07 (Seating Capacity of 75) Smart Seminar rooms are equipped with Smart interactive board facility, Wi-Fi,

Audio and Video facilities for effective teaching learning process.

Number of ICT enabled classrooms: 37 (Seating Capacity of 60-75 each room) All class room are ICT enabled.

Number of Auditorium: 02 (Seating Capacity of 100 and 300) Auditorium are equipped with LCD Projector with Wi-Fi, Audio and Video facilities

Number of Drawing Halls: 02 (Seating Capacity of 45) Institute has two well eyuipped drawing hall.

Number of Laboratories: 49 All Laboratories are equipped with state of the art facilities.

Number of Language Lab: 2 Institute has two well furnished language labs.

Number of Computer Centre: 1 The central computer center is well-equipped with computing resources to cater to the academic needs of the students. It has 100 computer systems.

Library: College Central Library has a spacious built up area of 660.43 sq.mts, with sitting capacity of 200 members.

Computing equipment: The campusinfrastructure established with high speed leased line internet connection with 500 Mbps fibre optic backbone network supplemented intranet connection and also with Wi-Fi support to cover maximum area.

Centre of Excellence Lab: 02 The institute has two centre of excellence.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gnit.ac.in/index-4-1-1/

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

The institution provides its learners, Cricket & Football Grounds, along with Volleyball, Badminton Court, High jump cum Long Jump

pit, Cricket net practice area. Well maintained Badminton Court and Basketball Court are present at the South-West Corner of the Campus. The lawns are kept upkeep and maintained with a lawn mower, pitch roller and essential ground staff and gardeners deployed.

Indoor Games & Facilities are present in the GNIT College Building which houses the Student Life Centre having Unisex Gymnasium, Cultural & Yoga Centre and Student Counselling Room. The Girls & Boys Common Rooms are well equipped with Table Tennis Board, Carom Board and Indoor Board Games (Ludo, Chess, Scrabble) in each room. The Gymnasium has Treadmill, Cross Trainer, Promax Multi-Utility Gymnasium System, Magnetic Bike, Swiss Ball and Skipping Rope,

The Yoga & Cultural Centre is used by the students for practising for, practising for Dance/Drama/Cultural Shows and for Meetings/Discussions of the Club/Council Affairs. These various typesof program not only enrich student’s cultural s kill but these help to enhance their creative skills. In the activities of Yoga, institute encouraged the students in this area by celebrating ‘Yoga Day’.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://gnit.ac.in/index-4-1-2/

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

45

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

157.67

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

The library is automated using the Integrated Library Management Sstem. Library and Documentation Centre has been automated since 2003. Earlier Libsys 4.0 was used as Library Management Software which continued till 2016. From 2017 onwards Library Management Software has been replaced by a more advanced software - LIBMAN which comprises of seven Library modules to operate all library housekeeping operations automatically. Details of LIBMAN software are as follows-

Name of the ILMS software: # LIBMAN Nature of automation (fully or partially): Fully Automated Year of automation: 2017 Library Module (# LIBMAN)

There are seven modules of LIBMAN Software that supports the workflow of the automated Library system. 1.MASTER 2.CATALOGUING 3.CIRCULATION 4.SERIAL CONTROL 5.UTILITY 6.QUERY

7. REPORTS

Library Resources and Facilities: 1.Printed Books 2.Magazines 3.News Papers 4.Semester Exam Question Papers 5.Hard copy Journals 6.Audio Books and Braille Books for blind students. 7.Book Bank 8.Student Project Papers 9.Teacher’s and Student’s Publications 10.OPAC and Web OPAC (http://122.252.249.26:92/forms/frmLogin.aspx) 11.Internet facility through Wi-Fi and LAN 12.Reference and Referral Services 13.CAS (Current Awareness Service) 14.Video Lectures

Area of the Library: Total Carpet Area of Library is 660.43 Sq.Mt.

Computer facility in Library: GNIT Library is equipped with 15nos.

of computers.

Lending facility in Library: Library provide Book Bank, Monthly Issue & Daily Issue services for all the students.

e-Resource facility in Library: The following facilities are provided by library so that students can access the e-Resource smoothly. 1.e-ShodhSindhu 2.e-books 3.e-journals 4.N-LIST 5.NDLI

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-4/4.2.1 LIBMAN Software Document.pdf

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

32.32

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

319

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

The institute has a well-defined IT policy relating to network security and user services. Infrastructure is regularly upgraded to provide IT requirements which include Internet/Wi-Fi /Storage/Security/Smart classroom up to date.

Wireless Network and LAN: (500 MBPS)

All computers in the institute have internet facility through LAN and Wi-Fi. The institute has effectivelyvand periodically upgraded from a handful of Wi-Fi hotspots to a robust and seamless Wi-Fi campus byvregularly reviewing usages and requirements. Currently it has 66 wireless access points.

No of Computers:

The Institute has 810 numbers of working computers. In between this 753 computers are distributed in labvin various department for the students usage. Beside this there are 44 laptops for institutional uses.

Network and Security:

GNIT is secured by a Cyberoam UTM 500 iNG Firewall which acts as the central gateway to its hierarchical layered and structured network managed by Core and distribution switches. Currently the Cyberoam firewall has been upgraded to Sophos Firewall with much advanced features and security enhancements

Surveillance and Communication: The entire campus is covered by over 136 numbers of CCTV cameras which provide 24x7 surveillance

with 30 days backup facility.

Server: The institute has state of the art Server Room. The whole IT infrastructure is being maintained through this Server Room. There are 9 Servers with the following specification.

Firewall: The institute has a firewall security device that monitors incoming and outgoing network tracking and permits and blocks data packets based on security alerts.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gnit.ac.in/index-4-3-1/

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2117	810

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. ?50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	D. Any one of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gnit.ac.in/upload/gnit-naac/criteria-4/Lecture_Capturing_System.pdf
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

67.25

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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

The institute has well defined procedures for maintaining and utilizing physical, academic and support facilities in accordance to the maintenance policies as follows:

1.The institute deputes supervisor and senior administrative officer for the inspection of the Institute building for any repair for maintenance. 2.Peer vigilance is being conducted through physical and digital modes on a regular basis. 3.The institute follows Annual Maintenance Contracts (AMC). 4.Repair of various items are done by trained personnel under the supervision of senior administrative officer. 5.Periodical training is being provided to faculty, technical assistants and staff members for performing maintenance of various laboratory equipment. 6.The institute conducts preventive checking and regular maintenance to reduce unwanted breakdown. 7.Calibration of laboratory equipment is done regularly by experienced technical assistants under the guidance of faculty / laboratory-in-charge.

Maintenance of Physical Facilities:

- **Building maintenance:**
- **Furniture maintenance:**
- **Generator maintenance:**
- **Lift maintenance:**
- **Playground maintenance:**
- **Sports and games facilities maintenance:**
- **Canteen maintenance:**

Maintenance of Academic Facilities: Classroom maintenance: Laboratory maintenance: Computer Facilities, Network / Wi-Fi Maintenance:

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gnit.ac.in/upload/gnit-naac/criteria-4/SOP_for_Infrastructur_&_Facility_Management_and_Maintenance.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

460

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

293

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-5/5.1.3-Reports.pdf
Details of capability development and schemes	View File
Any additional information	No File Uploaded

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

2258

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 adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students'

A. All of the above

grievances Timely redressal of grievances through appropriate committees

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

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

498

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of outgoing students progressing to higher education

17

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

8

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

24

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The Student Council was established with an aim to provide a representative structure through which students can undertake initiatives for the benefit of the Institute. To incorporate student participation in the wellness and upgradation of the institution in all perspectives, students are encouraged to be part of administrative and academic bodies which thus enable them to be empowered with planning, leadership skills, and accountability, and learn the importance of being a resourceful individual while working in teams. It provides a platform for students to express their ideas, interests, and views on the issues of concern to them and also renders their contribution for the Institution to attain its vision, mission and to be a renowned one in the segment. Beyond their curriculum, students show interest in cultural activities, arts and crafts, sports activities, NSS, NCC and many more.

OBJECTIVES:

- **To make students a part of the development of the Institute.**
- **To enhance communication between students, management, staff and parents.**
- **To promote an environment conducive to educational and**

personal development.

- To represent the views of the students on matters of general concern to them

- To develop their personality, organizational skills through interactive programs with the faculty, administration and society.
- To promote the team spirit, social responsibility and value formation.
- To create a sense of ownership of the college and its activities among the student population.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-5/5.3.2-Club-details.pdf

5.3.3 - Number of sports and cultural events / competitions organised by the institution

10

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Guru Nanak Institute of Technology has a strong Alumni Association established in the year 2013 that got registered under the West Bengal Societies Registration Act, 1961. Registration Number: 6893 of 2013 – 2014. The information about the Alumni Association is available in the Institute website and the direct webpage link for the Alumni Association is https://gnit.ac.in/alumni-association-of-gnit-committee-2/. The Alumni are also connected with the Institute through the Institute official social media links like Linkedin, Twitter, Instagram and Facebook.

The Alumni Association of GNIT intends to engage and stimulate the GNIT Alumni network. It desires to work with alumni members towards understanding and fulfilling the interests of alumni and ensuring intensive connectivity services and reinforcing the network. It facilitates academic and professional development, support and guidance to the students for enriching and successful career and life.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-5/5.4.1-Alumni-Activity-2021-22-m.pdf

5.4.2 - Alumni's financial contribution during the year	**A. ? 15 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 an effective leadership in tune with the vision and mission of the Institution

The decentralized governance of Guru Nanak Institute of Technology (GNIT) is focused on vision and mission of the institute to inculcate effective leadership.

Nature of Governance: The institution follows decentralized and participative governance. The operational decision-making process follows administrative guidelines, but with necessary flexibility for academicians to achieve desired educational outcomes. The institute has different Statutory Committees and Non-Statutory Committees for taking judicious decisions and to take all the necessary actions. Statutory and Non–Statutory Committees consist of adequate representation of stakeholders and faculty members as per AICTE and UGC guidelines. Two nominated senior faculty members act as members of Board of Governors (BOG). All Head of the Departments and the professors are the members of the Academic council. All the HODs along with some other faculty members are

associated with Internal Quality Assurance Cell (IQAC). All the faculty members in the department are the members of their respective Board of Studies (BOS). Every member of the department's faculty is automatically a member of the Departmental Academic Council (DAC). All the faculty members are involved in mentoring activities, which is monitored by the respective HOD and finally by the head of the institution.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-6/6.1.1 Additional Information.pdf

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The Guru Nanak Institute of Technology (GNIT) has a practice of participative management at all levels of decision making through a decentralized structure. It gives all employees and stakeholders an opportunity to get involved in the important and relevant decision-making processes.

The top management has delegated financial, administrative, and academic authority to the HOI, HODs, faculty members, and administrative personnel. They have planned and implemented both quantitative and qualitative parameters through decentralization and participative management since the institute's foundation. Decentralization and delegation of powers are efficiently achieved with the help and cooperation of different statutory committees like Board of Governors (BOG), Internal Quality Assurance Cell (IQAC), Academic Council (AC), Finance committee and different non-statutory committees such as the Departmental Academic Council (DAC), Anti-Ragging committee, R&D committee, SC/ST committee and so on.

Internal Quality Assurance Cell (IQAC) provides guidance to the Institute to empower students with education and employment opportunities, through different committees. The Registrar, Dean of Academics, Dean R&D, Dean Student Affairs, members of different statutory and non-statutory committees and Non-teaching personnel

play important role in the day-to-day operations.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-6/6.1.2 Additional Information.pdf

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The Perspective or Strategic plan is available in Institute and in linked documents. Strategic and Perspective plans are prepared considering the objectives which are aligned with the Vision and Mission of the Institute. For every five years institute prepares strategic plan for its overall upliftment. Set targets are achieved through the strategic plan which ensures the accountability process comprising of evaluation, review, reporting and, where necessary, re-planning. In two levels (Department, Institution), the plan is developed by the Internal Quality Assurance Cell (IQAC) which are duly approved by Board of Management.

The following artifacts are considered in the plans:

- **Teaching-Learning**
- **Research & Development**
- **Human Resource Development**
- **Curriculum Development**
- **Human Research Management**
- **Library, ICT and Physical Infrastructure**
- **Industry Interaction / Collaboration**
- **Accreditation and Ranking**
- **Outcome of Students**
- **Student Support and Activities**
- **Community Engagement**

The institute was conferred with autonomy status by UGC and

Maulana Abul kalam Azad University in the year 2016. The conferment of autonomy helped in revision of syllabus and also in introducing reforms in the examination pattern and assessment. This facilities the institute to frame a syllabus and curriculum towards the outcome based education.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-6/6.2.1 Additional Information.pdf
Upload any additional information	**No File Uploaded**

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

To give support in decision making processes, Guru Nanak Institute of Technology has well defined organizational hierarchy and structure. To sustain institutional capacity and to enhance educational effectiveness, there is involvement of stakeholders in various Committees.

The main authorities of the institute are the Board of Governors, Academic Council, Planning and Evaluation Committee, and Finance Committee which have different nominees from academia and industries of national repute. The Board of Governors is the principal policy making body in this institute.

In academic matters, the head of the institute is assisted by HODs and course coordinators. The Academic Council takes any final decision regarding any academics related matter. The Principal presides over the Academic Council, which is comprised of eminent academicians and industry representatives.

Apart from that, Guru Nanak Institute of Technology has well defined Promotion Policies, Service Rules, Welfare Schemes, Grievance Redressal Mechanisms, R&D Policy, Green Campus Policy, E- Governance Policy, Seed Money Policy, Institutional Code of Ethics Policy

File Description	Documents
Paste link to Organogram on the institution webpage	https://gnit.ac.in/wp-content/uploads/2022/01/Organogram-GNIT-1.pdf
Upload any additional information	View File
Paste link for additional Information	https://gnit.ac.in/wp-content/uploads/2022/01/Organogram-GNIT-1.pdf

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) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The Institute offers numerous welfare measures for their staff members as described in the Service Rules and in the Research Policy. Various welfare measures are briefly explained below:

- **For Attending National & International Conferences financial support has been provided.**
- **To take Professional Membership from different bodies like IEEE, IE (I), IET, ISTE financial support has been provided.**
- **For presenting the Research Papers in International / National Conferences and pursuing Collaborative Research on Duty Leave is provided to the faculty members.**
- **For appearing in career advancement programs like Course Work / Examination for PhD / Comprehensive Examination for Professional Training & SWAYM Courses, on Duty Leave is**

granted.

- For Professional Training & Development, grant is available
- Annual Appraisal System
- Career Advancement Scheme
- Awards & Recognition for contribution of faculty in the field of research
- Seed money grant for pursuing minor research activities.
- Increments after completion of PhD
- Financial support is provided to the faculty for patents filing
- Sabbatical Leave

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-6/6.3.1_Additional_Information.pdf

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

58

File Description	Documents
Upload any additional information	No File Uploaded
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 programmes organized by the Institution for its teaching and non-teaching staff during the year

12

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

145

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The internal and external audit is conducted in Guru Nanak Institute of Technology (GNIT) at a regular interval. GNIT hereby confirms with conviction that both the internal and external audits were conducted from time to time, in due course, and feels extremely proud to declare that no serious financial irregularity was ever reported. Usually internal audit is conducted twice in a year, whereas external audit is conducted once in a year.

Internal audit scrutinizes all the transactions and maintenance of compliance level across the hierarchy. It also checks the accuracy in financial transactions with respect to the accounting standards and commercial laws.

The Institution has appointed External Auditors as per the statutory requirement. The External Auditor organizes audit in accordance with the Generally Accepted Accounting Policies, appropriate Financial Reporting Framework, Statutory Provisions

and regulations, etc. The Auditor performs audit in accordance with the ethics on auditing published by the Institute of Chartered Accountants of India (ICAI). Auditor conduct audit and pulls conclusion on the Financial Statements. Their key function is analysis of the legitimacy of financial data of the company to detect if there are any inconsistencies in the records because of scam, fault or fraud. An external audit also analyses financial statements, such as balance sheets to verify that they offer the entities of finances correctly.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-6/6.4.1 Additional Information.pdf

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	**No File Uploaded**
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	**No File Uploaded**
Any additional information	**No File Uploaded**

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Being a Self – Financed Organization, the prime objective of our institute is to proffer the best resources and opportunities to students and faculty members realizing the vision and mission of GNIT. Sources of funds are classified as (i) internal source and (ii) external source.

The main internal source of fund is Tution Fees from students. The other internal resources are Contribution from Trust for Infrastructural Development, Hostel Fees and Interest on Savings Account.

In addition, external source of funds depends on research project grants, sponsorships, training and consultancy and loan from bank.

Utilisation of Resources:

To achieve superlative benefits, all round Development of the institute the emanated resources are utilized on the basis of Systematic Budgetary Control. In different areas, the emanated resources are used. Different areas are as follows:

- **Procurement of new laboratory equipments**
- **Upgradation of old equipments**
- **Infrastructure development and augmentation**
- **New laboratory setup,**
- **Salary of staff**
- **Purchase of library books, magazine, journals.**
- **Purchase of consumables for laboratory use**
- **Maintenance expenses**
- **Seminars and workshops organization for students and staffs.**
- **Maintenance for hostel facilities**
- **Recurring expenditure like electricity, internet, registration and affiliation, security and other running expenses.**

- **Stipend given to the students of this institute to pursue higher studies**
- **Scholarships for financially weaker students**
- **For student training and project**
- **E-Government expenses, which include library operations, examination administration, and store and account operations (through ERP)**
- **To facilitate research activity, seed money is provided to the faculty members.**
- **Guest speakers honorarium**
- **For cultural activities, sports and other activities.**

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-6/6.4.3_Additional_Information.pdf

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

IQAC was set up as per the Guidelines of UGC with representation from the necessary stakeholders, with a mission for

institutionalizing the quality assurance strategies and processes to function optimally for excellence in education. It is established to integrate different academic activities with various supportive administrative tasks and to achieve faster actions which impact on quality objective of the institute.

Initiative 1: Digitization of Teaching-Learning Process

The Learning Management System (LMS) is an integral part of the teaching-learning process, and initially discussed in IQAC meetings in the year 2018, and following practices is ensured.

Creating Updated LMS Contents: At the beginning of the semester, course instructors ensure the availability of updated video lectures and study materials in alignment with the lesson plan.

Ensuring Quality and Utilization: To ensure the quality and utilization of the LMS content, feedback and usage reports are collected from students at the end of the semester.

Using LMS as Assessment Tool: Throughout a semester, the course instructors upload assignments and quizzes in the LMS to assess the students.

E-Learning Materials from library: Students can access e-resources like e-books and e-journals from the library.

Other e-resources: All faculty and students can access the e-resources of ‘National Digital Library of India’ (NDLI)

Examination System: Our institute has a strong online examination management system through which students fill up their examination form. For online answer script checking and result publication, GNIT hascompletely automated Digital Valuation System (DVS).

File Description	Documents
Upload any additional information	View File
Paste link for additional information	principal_gnit@jisgroup.org

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

From the quality point of view, Guru Nanak Institute of Technology reviews its teaching learning process, structure, methodologies of operations and learning outcomes, at regular intervals through its IQAC. All the processes, structures and methodologies have been reviewed by IQAC from the quality, student's satisfaction and outcome point of view.

The followings are the two examples of reviews and their implementation on the teaching-learning process facilitated by the IQAC.

i)Review Mechanism of Teaching-Learning Process:

IQAC periodically collects reports from various departments/units holding several discussions with the concerned authorities on various criteria of the Teaching-Learning Process.

The following data/information are checked from each department:

- **Course files containing lesson plans, teaching plans as per Academic Calendar, Time Table, and availability of learning resources.**
- **Syllabus coverage, availability of course materials, total number of conducted classes, attendance reports, course assignments, and the respective student performance reports are collected.**
- **Data regarding slow-learner and advanced learner**
- **Extracurricular events conducted by the departments Students achievements**
- **Data regarding higher studies are collected for each academic year.**
- **CO, PO & PSO attainment are collected and analyzed**

- Data from Controller Section:
- Question paper with CO mapping
- Students result
- Data from Training & Placement Cell (T & P):
- Placement records
- Reports on special training programs conducted by T & P cell
- Data from Research & Development Cell (R & D)
- R & D activities such as publications, patents, funded projects, collaborations, etc.
- Alumni Association
- Feedback from Alumni on the teaching-learning process

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-6/6.5.2_Additional_Information.pdf

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://gnit.ac.in/wp-content/uploads/2022/11/Annual-Report_2021-22_NAAC.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

Gender equity prevents violence against women and girls. Societies that value women and men as equal are safer and healthier. GNIT always ensures fairness of treatment for women and men, according to their respective needs. GNIT Women’s Grievance Redressal Cell celebrates International Women's Day, celebrates the achievements of women. Our college encourages Self Defense & Fitness Programme for Girls. Our college has already arranged multiple sessions to train faculty members and students to understand better safety strategies to deal with abuse and Secure Safety. GNIT always gives importance to safe guard all women employees of the organization. Our college takes care of all complaints on sexual harassment of women at workplace . The Grievance Cell is responsible for looking into any complaints filed by students & staff about women grievance at college. Some special programs are already organized in the institute by the cell along with other departments.

These includes

I) Discussions on legal issues (laws) related to women’s interests

II) Awareness Program on Visakha Guideline

III)Awareness Program on Breast Cancer

IV)International Women’s day celebrations

V)Self - Defense workshop for women

VI)Debate competition on women’s issues

VII)WGRC Magazine

VIII)Cervical cancer and distribution of sanitary pad

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	gnit.ac.in/upload/gnit-aqar-21-22/criteria-7/7.1.1._a,_b,_c,_dSupporting_document.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Waste management: The Institute implements effective waste management through waste segregation and recycling of the waste.

1. Solid Waste management: Each and every department of GNIT as well as the administrative block create waste and dumped in small waste bin located in the department itself. The wastes are properly stacked in designated place and later disposed through vendors. GNIT discourages uses of in the campus. The biodegradable vegetable peels are collected in a separate bin to convert it to fertilizer to use for gardening.

2. Liquid Waste Management GNIT takes an initiative to reuse this water. The waste water from AC is collected and are used for cleaning, gardening and toilet flushing. The safe disposal of liquid waste takes place from the washrooms to a big sewage pipeline from campus, waste gets collected to the municipal sewage connection.

3. E-waste management:E-waste such as computers and its peripherals are upgraded regularly to continue usage and to avoid its wastage. They are collected and dump in a closed room and handed over to agencies which help recycle these materials. The

electronic components and taking off the old parts make new products and is donating among the poor students of nearby school.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

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**

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy 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**	**A. Any 4 or all of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.	**A. Any 4 or all of the above**

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
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, socio-economic and other diversities (within a maximum of 200 words).

Guru Nanak Institute of Technology (GNIT) provides quality education with holistic development, with programs promoting patriotism, social and environmental awareness, gender equality and human values. Universal and moral values are inculcated in all courses. Bookfairs are arranged yearly by the College library and faculty members donate books. GNIT also participates in the Kolkata International Book Fair. Students participated in “Walk for the book” rally in National Library week of US Consulate General, Kolkata on 12 April, 2016. Intrinsically Bengali cultural events are observed annually, like Poila Baishak, Rabindra Jayanti and Baisheshrabon, Sharodiya Utsav and Bijoya Dasami. National festivals like Holi, Eid, Dipabali are celebrated on campus. On 12th January, Swami Vivekananda’s birth anniversary is organized, International Youth Day observed on 12th August and International Yoga Day on 21st June, to sensitize youth. Environmental awareness through tree plantation drives, health awareness through programs on Swachhata, Infectious diseases, Blood donation camps, and social awareness through money and cloth donation to various organisations are arranged yearly. On 26th November, a seminar on the Indian Constitution marks Indian Constitution Day. Workshops on adventure sports highlight the importance of physical activity.Classroom, lab and campus cleanliness drives instil in students a sense of communal responsibility.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

Welfare activities have always been part of Guru Nanak Institute of Technology's program. The institute believes in imparting holistic learning, inculcating moral and ethical values and has involved itself in manifold activities to promote community development.

Donations : The institute promotes the values of community service. Clothes and sweets are gifted to the inmates of several nearbyold age homes. Students also donated to the Prime Minister's National Relief Fund,distributed masks, hand sanitizers and foodgrains. During the Amphan cyclone, they took part in relief camps in the Sunderbans.

NSSActivities: The 1st Year B. Tech students, under the aegis of the NSS program, gave textbooks, pencils and crayons to 60 underprivileged children of the No 1 Indira Nagar SushanhataSishu Bikash Seba Prakalpa and assisted in buying books for New Delhi slum childrenthrough the Community Library Project (TCLP).

NGOs : The students have also visited the GOONJ warehouse in Kolkata,and donated clothes and other materials for the needy. Working conjoinedly with PRAGATI, the students have participated in donation drives, like blanket distribution among the needy.

Protecting the Environment: Students have also helped in ecological conservation by donating to the WWF, India, taking part in a"SaveWater"campaign and launchinga "Plastic Free Campus" initiative. World Environment Day is regularly observed in June through tree plantation programs.

Cleanliness drives: Students have regularly taken part in cleaning of campus facilitiesand, along with staff participated in "Swachh Bharat Abhiyan".

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code	**A. All of the above**

of conduct for students, teachers, administrators and other staff and conducts periodic sensitization 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 Annual awareness programmes on the 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 programmes, 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

Different national and international commemorative days and festivals the institute celebrates every year. Students and faculty members participates in the programs. Every year on 15th of August the Independence Day is celebrated with hoisting of the National flag. On 5th September all the students of the college celebrates the Teachers Day to acknowledge the contribution of teachers. Engineers Day is observed every year on the 15th day of September to feel address the crucial role of an engineer in the building of a society. The hardship and sacrifices made by the engineers for the development of the country in each and every field. On 20th September “Clean GNIT Mission” is organised to promote Swaccha Bharat Aviyaan. The National Unity day is observed every year on 31st October. On 21st February International Mother Language day is celebrated with cultural programs. Seminars are organised on 28th February every year to celebrate National Science Day. On 8th Marchevery year International Women's Day is celebrated to give tribute to women. On 12th January the birth Anniversary of Swami Vivekanand is observed. National Festivals like Dipavali, Christmas and Holi is also gets celebrated every

year with lights , sweetsand candles in the college.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

1.

Beyond Curriculum Training on Value Added Courses

Objectives of the Practice:

- **Imparting technical training in current areas in high demand, enhancing employability and bridging industry-academia gap.**

The Practice

- **Multidisciplinary courses in the BCT Basket.**
- **External training providers.**

- **30 hours of training, 6 courses per student. These BCT courses include courses on Programming, Ethical Hacking, Nanoscience, Food Safety Training and expect to bridge the learning gap recruiters face.**

- **More than 244 students enrolled in 19 value added courses run in last 5 years.**

Problems Encountered:

- **Infrastructural problems.**
- **Institute aid in financing.**

Resources Required:

- **Multidisciplinary Trainers.**
- **More infrastructural resources.**

2.

Community Development Initiatives

Objectives of the Practice

- **Encouraging student support in aiding the disadvantaged, nature, wildlife.**

The Practice

Some initiatives undertaken by the Institute in welfare and outreach include the following:

- **community service through self-financed NSS Unit, blood donation and relief during Lockdown and Cyclone “Amphan”, hand sanitizer prepaparation and Free Vaccination Drive.**
- **Pragati Club , GNIT students’ welfare organization, supports the underprivileged, free education and training is provided and support to World Wildlife Fund, India made.**

Problems Encountered:

- **Long distance outreach.**

Resources Required:

- **digital database.**

File Description	Documents
Best practices in the Institutional website	https://gnit.ac.in/best-practices/
Any other relevant information	https://gnit.ac.in/upload/gnit-aqar-21-22/criteria-7/7.2_BP_any_other_relevant_documents.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Distinctiveness: Holistic Development

The Institute enables holistic multidisciplinary student development through academic, extra-academic and co-curricular activities.

a) Employer's Contribution: GNIT promotes a democratic, gender-sensitized, sustainable digitalized work environment. Women occupy 60% of higher positions. Excellent teaching infrastructure, a green campus, sports facilities, NSS Unit, student Clubs are provided. GNIT is involved in Water Management, River Rejuvenation and has a working Solar Power plant.

b) Students' Contribution: Students are involved in sports, cultural activities, corporate conclaves and tech fests. Sports, including yoga, are encouraged for both boys and girls. Students attend corporate events,participate in Techfests, Smart India Hackathon, international Film Festivals, Literary Meets etc. GNIT has emerged as a "plastic-free zone", students have worked as UN Green Ambassadors and developed innovative prototypes.

c) Social Outreach-

GNIT promotes community development, outreach, NSS Unit activities, donations to charities, wildlife conservation, elder and orphan care. PRAGATI is pro-active in helping the needy. Providing calamity relief, free vaccination during the COVID-19 pandemic were other contributions.

d) Foreign Internships:

In developing cross cultural understanding the students have benefited from Foreign Internships. A MOU with Asian Institute of Technology, Bangkok, a visit to Russia and interaction with visiting professors from France and Greece have increased the

international exposure of students.

File Description	Documents
Appropriate link in the institutional website	https://gnit.ac.in/distinctiveness/
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Establish a road map to improve industry connectivity and develop professionals that are industry ready.

- **Collaboration with the industry will strengthen connections with it and provide opportunities for student internships. • To improve the online courseware by adding animation and hyperlink web access as part of the students' autonomy curriculum. • Increase departmental research publications in prestigious journals. • Apply for research fund in a bigger level.• To boost student involvement and certification through NPTEL or MOOCs by providing them Hons/Minor degree • To improve the institution's standing at the national and international levels through NIRF, NAAC, etc. • The NBA's renewal of its accreditation of all UG programmes. • To establish an integrated ERP system to link all academic activities.• As part of the "Green Campus Project," we intend to make the surrounding more greener. This will be carried out in conjunction with the neighborhood municipality and NSS unit. • Increase the quantity of patents and innovative performance. • Faculty members will enroll in a large number of Ph.D. programmes in the upcoming academic year and are about to submit their Ph.D. theses. •To open online courses (ODL) in the institution in continuation with the regular courses.**