



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		GURU NANAK INSTITUTE OF TECHNOLOGY
Name of the head of the Institution		Prof. (Dr.) Santanu Kr. Sen
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		03325233900
Mobile no.		9432012683
Registered Email		principal_gnit@jisgroup.org
Alternate Email		info.gnit@jisgroup.org
Address		157/F, NILGUNJ ROAD, PANIHATI
City/Town		Kolkata
State/UT		West Bengal
Pincode		700114
<b>2. Institutional Status</b>		

Autonomous Status (Provide date of Conformant of Autonomous Status)	29-Feb-2016
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. Paramita Banerjee
Phone no/Alternate Phone no.	03325233900
Mobile no.	9903222889
Registered Email	principal_gnit@jisgroup.org
Alternate Email	paramita.banerjee@gnit.ac.in

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="https://gnit.ac.in/wp-content/uploads/2021/06/AQAR_report_2018-19.pdf">https://gnit.ac.in/wp-content/uploads/2021/06/AQAR_report_2018-19.pdf</a>
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### 4. Whether Academic Calendar prepared during the year

Yes

if yes, whether it is uploaded in the institutional website:  
Weblink :

<https://gnit.ac.in/>

### 5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.54	2019	15-Feb-2019	14-Feb-2021

### 6. Date of Establishment of IQAC

28-Feb-2014

### 7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
PEP Talk: Incubation Framework @ IIC @ MHRD @ GNIT @ JIS Group	20-Jun-2020 1	125
online Ideathon	12-May-2020	180

	2	
One-Day Mentoring Workshop for POCs (Proof of Concept) and Atal Ranking of Institutions on Innovation Achievements and IIC 2.0 new initiatives	13-Aug-2019 1	182
Faculty Development Programme (FDP) on recent and future Trends in Technology	27-Apr-2020 7	139
Smart India Hackathon (Internal)	20-Jan-2020 1	192
Industry Academia Meet cum Exhibition on Waste Management under the guidance of Mahatma Gandhi National Council of Rural educationion, MHRD, Government of India	07-Nov-2019 2	600
Online Covid-19 hackathon	20-Mar-2020 1	300
Meeting of Internal Quality Assurance Cell (IQAC)	21-Apr-2020 1	22
Meeting of Internal Quality Assurance Cell (IQAC)	26-Nov-2019 1	20
Academic Administrative Audit (AAA)	18-Jul-2019 2	12
<a href="#">View File</a>		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Sunipa Roy	FIST	DST	2018 1825	6000000
Dr. Sunipa Roy	MODROB	AICTE	2018 730	1765000
Dr. Anindita Ganguly	TARE	SERB	2018 1095	1830000
Mrs. Suparna karmakar	Seminar	DSTBT Govt of WB	2020 2	50000
Dr. Sucharita Bhattacharya	STTP	AICTE	2020 7	298000
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<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	<b>Yes</b>
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	<b>3</b>
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	<b>Yes</b>
Upload the minutes of meeting and action taken report	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>No</b>

**12. 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 examination system, Online Answer Script Checking, etc. 4. Encouragement to obtain research funding, application for patents, publication in SCI/SCOPUS indexed journals. 5. Establishment Cyber Security and Digital Forensic Laboratory.

[View File](#)

**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achivements/Outcomes
Entrepreneuship Initiatives	Each department organized enterpreneuship talk durinth
Coding Competition	Institute organized coding competition and smart India Hackathon
Beyond curriculum Program	Many technical development classes on recent trends were organized to bridge industry academics gap
Organization of conference, seminar, workshop, webinar	Two conference were organized during this academic year, FEMAS and ICORE. Many seminar and workshops are also organized during this year
Installation of CCTV	One hundred and forty nine CCTVs were

	installed in the entire campus
Ensuring quality in education through Outcome Based Learning under Autonomous Structure	Syllabus has been revamped to cater flawlessly to bridge the gap between industry and academia. The feedback from stakeholders reported improved performance of the students during the year. Percentage of placement, higher studies and entrepreneurship has been increased
Installation of WiFi	More WiFi modules were installed to increase the connectivity and speed
Upgrading Smart Classrooms	Smart classrooms were upgraded by providing new facilities
Establishment of Laboratory incorporating recent trends in Technology	A Laboratory on Artificial Intelligence and Machine Learning has been established
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes
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Name of Statutory Body	Meeting Date
BOG	10-Mar-2020

<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No
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<b>16. Whether institutional data submitted to AISHE:</b>	Yes
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Year of Submission	2020
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Date of Submission	22-Feb-2020
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<b>17. Does the Institution have Management Information System ?</b>	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p><b>HR Module:</b> The HR Department manages and supervises policies/regulations implemented by Higher Authority, which are mandatory for every employee and also have knowledge of its appropriate functioning. Monitoring attendance and tracking leaves is also a duty of the HR Department. There is a proper management of the clockin/out time to avoid late arrivals and track overtimes and halfdays. <b>Account Module:</b>The Accounts Department is responsible for the following functions: Treasury</p>
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functions, Retirement benefits, Salary, Provident Fund, Daily wage muster roll payments, Supplier and contractor payments, Income tax/Sale tax/Cess related, Expenditure monitoring and Investments, Interaction with Banks and other statutory bodies relating to accounts, Scholarship and student payments i.e. semester fees, exam fees etc. Admission Module The Admission Department is responsible for the following functions: Analyze the applications of prospective students based on standard admission policies. Interview students to understand their objectives and background. Provide explanations to students' queries in a professional manner. Followup with students for any enquiries through phone calls and emails. Inform the aspirants about the programs offered, admission procedure, eligibility and costs involved. Provide assistance to the students to complete the enrolment forms. Review all the students' applications and refer the students to the Accounts Department if required. Develop innovative communication strategies and enrolment plans in coordination with senior management to attract and enroll more students. Maintain a database of student information, telephone logs etc. in order to generate Academic Module Student Attendance: Attendance of every student is important. A missed college day is a lost opportunity for student. The attendance of the students from different disciplines of our college is managed on a single system and the attendance process can be scrutinized also. The daily attendance of the students are recorded by the faculties and JTAs of our institute on daily basis. We can also generate various reports regarding attendance percentage as a part of disciplinary management and can differentiate between regular and irregular students in a matter of time. Student Class Routine: Before the start of each semesters, class routines are prepared and uploaded on the online system from where daily class routines of each disciplines can be viewed batch wise. Moreover, faculties and JTAs can have their own timetable for that particular semester from the online system. Library: The library management

personnel allow students to be admitted in the Library and Reading Room on production of Identity Cards.  
 Examination System: Our institutional examination system consists of Unit Tests and Semester Examinations. Everything is monitored through online system.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	CSE	Computer Science and Engineering	10/06/2019
BTech	ECE	Electronics and Communication Engineering	10/06/2019
BTech	EE	Electrical Engineering	10/06/2019
BTech	AEIE	Applied Electronics and Instrumentation Engineering	10/06/2019
BTech	FT	Food Technology	10/06/2019
BTech	IT	Information Technology	10/06/2019
MCA	MCA	Master of Computer Application	10/06/2019

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

BTech	Applied Electronics and Instrumentation Engineering	08/07/2019	Project-III PR 391	08/07/2019
BTech	Information Technology	08/07/2019	Seminar/GD/ Presentation Skill/ Foreign Language MC681	06/01/2020
BTech	Computer Science and Engineering	08/07/2019	Behavioural and Interpersonal Skills MC 381	08/07/2019
BTech	Food Technology	06/01/2020	Innovative Activities-III PR 492	06/01/2020

BTech	Electronics and Communication Engineering	06/01/2020	Industrial Training EC 682	06/01/2020
BTech	Electrical engineering	06/01/2020	Entrepreneurs hip Development MC781	08/07/2019
BCA	Batchelar of Computer Application	06/01/2020	Soft Skill Development BCA N481	06/01/2020
MCA	Master of Computer Application	08/07/2019	Business English & Communication Lab HU191	08/07/2019
BTech	Computer Science and Engineering	08/07/2019	Technical Skill Development MC781	08/07/2019
BTech	Electronics and Communication Engineering	08/07/2019	Innovative Activities II PR 392	08/07/2019
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#### - Academic Flexibility

- New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		
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- Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
<b>No Data Entered/Not Applicable !!!</b>		

#### - Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Essence of indian knowledge tradition	04/12/2019	120
Training on Arduino Programming	08/07/2019	55
Entrepreneurship Development program organized by Institutions Innovation Council of MHRDs Innovation Cell	28/04/2020	2
Training on AutoCAD for Industrial Automation	15/07/2019	22
Power plant Instrumentation at DVC,	01/01/2020	13



DTPS, Durgapur		
Training on Microcontroller Programming	08/07/2019	28
Training on JAVA programming	06/11/2019	29
Training on Unix and Shell Programming	15/07/2019	60
Behavioural and Interpersonal Skills	22/07/2019	60
Technocal lecture presentation and Group Discussion	04/12/2019	120
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### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Applied Electronics and Instrumentation Engineering	15
BTech	Electrical Engineering	21
BTech	Computer Science and Engineering	157
BTech	Information Technology	30
BTech	Food Technology	19
BTech	Electronics and Communication Engineering	12
BCA	Batchelar of Computer Application	58
MCA	Master of Computer Application	5
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### 1.4 – Feedback System

#### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

#### 1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

##### Feedback Obtained

In each semester we take feedback from all the stakeholders i.e. current students, alumni, parents and industry mentors. Based on that feedback, we design the Vision and Mission of the Institute. To achieve the aimed Vision and

Mission, we design different PEOs and to accomplish those PEOs, we design PSOs. Subsequently, we design the Syllabus or upgrade the syllabus keeping in mind those PEOs and PSOs. And, the academics goes on with this syllabus for the whole semester. At the end of the semester, we take feedback from the stakeholders again and make the necessary improvement in the syllabus which is done to achieve the designed Vision and Mission. These feedback are also used to improve the teaching learning process.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BHM	Bachelor of Hospital Management	60	101	60
BCA	Bachelor of Computer Application	60	92	60
Mtech	MCNT (ECE) , MTech (CSE)	18	19	7
MCA	Master of Computer Application	60	21	10
BTech	CSE, ECE, EE, AEIE, FT, IT	540	834	493
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### 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	630	17	117	15	4

### 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
132	132	6	8	6	132

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

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

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

Yes, Student mentoring system is used to bridge the gap between the teachers and students. This system

provides a better environment in college, where students can approach teachers. Mentors provide both educational and personal guidance to the mentees. It enhances the knowledge base for both teachers and the students due to effective two-way communication. Over all this system improves the academic performance.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
647	132	1 : 25

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
131	132	0	8	26

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Kakali Bandyopadhyay	Associate Professor	ChatraVishwakarma Award 2019, Eastern regional Convention
2019	Prof(Dr.) Santanu Kr. Sen	Principal	Awarded with the most prestigious degree of award "Professional Engineer" as the First Person in India in Computer Science engineering division by Institution of Engineers (India).
2019	Dr Sunipa Roy	Assistant Professor	Elevated to Senior Member IEEE by IEEE, USA
2019	Dr. Anup Kumar Thander	Assistant Professor	Awarded Ph. D. degree
2019	Dr. Surajit Basak	Assistant Professor	Awarded Doctor of Philosophy (Engineering)
2019	Dr. Avali Banerjee	Assistant Professor	Doctor of Philosophy (Engineering)
2019	Dr. Paramita Banerjee	Assistant Professor	ELITE and Silver category in NPTEL organised FDP
2019	Dr. Barnali Kundu	Associate Professor	ELITE category in NPTEL organised FDP
2019	Prof(Dr.) Santanu Kr. Sen	Principal	Selected as board member in West Bengal Joint

			Entrance Examination board.
2019	Mrs. Somalina Chowdhury	Assistant Professor	ELITE category in NPTEL organised FDP
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#### – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BHM	BHM	3rd Semester	11/01/2020	19/03/2020
BHM	BHM	1st Semester	13/01/2020	19/03/2020
BCA	BCA	5th Semester	13/01/2020	18/03/2020
BCA	BCA	3rd Semester	11/01/2020	19/03/2020
BTech	CSE, ECE,EE, AEIE,IT, FT	7th Semester	06/12/2019	08/02/2020
BTech	CSE, ECE,EE, AEIE,IT, FT	5th Semester	07/12/2019	08/02/2020
BTech	CSE, ECE,EE, AEIE,IT, FT	3rd Semester	07/12/2019	18/02/2020
BTech	CSE, ECE,EE, AEIE,IT, FT	1st Semester	09/12/2019	18/02/2020
BCA	BCA	1st Semester	10/01/2020	19/03/2020
BHM	BHM	5th Semester	13/01/2020	18/03/2020

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– Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
1	72	1.38

#### – Student Performance and Learning Outcomes

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

<http://gnit.ac.in/>

– Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
EE	BTech	ELECTRICAL ENGINEERING	94	94	100
IT	BTech	Information	54	54	100

		Technology			
CSE	BTech	COMPUTER SCIENCE & ENGINEERING	126	125	99.21
FT	BTech	FOOD TECHNOLOGY	23	23	100
AEIE	BTech	Applied Electronics and Instrumentation Engineering	15	15	100
ECE	BTech	ELECTRONICS & COMMUNICATION ENGINEERING	125	125	100
BHM	BHM	Bachelor In Hospital Management	54	54	100
MCA	MCA	MASTER IN COMPUTER APPLICATION	9	9	100
BCA	BCA	BACHELOR IN COMPUTER APPLICATION	32	31	96.875
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## 2.7 – Student Satisfaction Survey

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

<http://gnit.ac.in/>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes

Name of the teacher getting seed money

Dr. Sunipa Roy

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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr. Anindita Ganguly	Teachers Associateship	15/07/2019	DST

for Research  
Excellence  
(TARE)

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### 3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1095	SERB	18.3	0
Major Projects	730	AICTE	17.65	14.12
Major Projects	1825	DST	60	30
Any Other (Specify)	7	AICTE	2.98	2.98
Any Other (Specify)	2	DSTBT, WB	0.5	0.5

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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

1

### 3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Workshop on IPR	ELECTRONICS AND COMMUNICATION eENGINEERING	15/05/2019
Training on IoT based Instrumentation System In collaboration with Ardent Technologies and Pvt. Ltd.	Applied Electronics and Instrumentation Engineering	16/01/2020
One day seminar on LV Switchgear	ELECTRICAL ENGINEERING	07/09/2019
Challenges of Human Resource In Health Care	HOSPITALITY MANAGEMENT	06/02/2020
Industry Mentor Meets Speaker:Mr. Dipankar Saha, Senior Data Architecture, CTS	INFORMATION TECHNOLOGY	31/08/2019
Emerging Cloud Technologies	COMPUTER APPLICATION	31/08/2019
Training on Computer Fundamentals and C Programming	COMPUTER SCIENCE AND ENGINEERING	10/07/2019
Career scope in Food Technology: Social Engineering its need in the current Indian Micro-	FOOD TECHNOLOGY	08/08/2019

economy		
Workshop on Python Programming	APPLIED SCIENCE AND HUMANITIES	29/04/2020
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Resurrect 2020, Design Thinking Challenge Hackathon	Shobhondeb Paul, Suvasish Paul, Santanu Saha	Guru Nanak Institute of Technology, under the aegis of JIS Group	16/04/2020	Innovation
'An Intelligent Version Control System with a Devops Platform'	Saswata Mukhopadhyay	Russian Embassy	04/10/2019	Winners for the presentation on An Intelligent Version Control System with a Devops Platform' in International Knowledge Sharing Week, Russia
Rocket Launch Information	Rizwi Salim Puja Mukherjee Niladri Sen Sandipan Kar	NASA Space App challenge	12/09/2019	NASA Space App Challenge
The Illuminators	Subharshi Roy Bikram Das Debanjan Chatterjee Soudip Maji Sudip Das	Society For Data Science	15/10/2019	S4DS INNOVATIVE HACKATHON-2020
Deliverance	Pallabi Banerjee, Tridib Mondal, Toton Baidya.	NASA in collaboration with Booz Allen Hamilton, Mindgrub and Second Muse.	21/09/2019	NASA International Space App Challenge 2019 Hackathon in association with "Think again Educational Services LLP
Creating a Platform for Mental Health Treatment'	Debleena Dutta	Russian Embassy	04/10/2019	Stood second with their project on Creating a Platform for Mental Health Treatment' in International Knowledge Sharing Week, Russia

Smart Technology to eliminate use of Urban Scavenger in sewage Cleaning System'	Soumyajeet Kabi, Subhaditya Banerji, Rohon Chakraborty, Soumik Sarkar.	JIS Group	28/02/2020	They presented their model on Smart Technology to eliminate use of Urban Scavenger in sewage Cleaning System' and stood 1st in Model Display Exhibition at JIS Institute of Advanced Studies and Research.
E-RRADICATE 2020 COVID-19 Innovation Challenge organized	Mrinmoy Kar, Rounak Ghosh, Sudipta Das, Sreya Bhattacharyya, Srinjan Majhi, Swrnila Nath	IE Chapter, ECE @ JIS College of Engineering in association with Institute of Engineers (India)	10/04/2020	Innovation
E-RRADICATE 2020 COVID-19 Innovation Challenge organized	Shobhondeb Paul, Suvasish Paul, Santanu Saha	IE Chapter, ECE @ JIS College of Engineering in association with Institute of Engineers (India)	10/04/2020	Innovation
IDEATHON (THOR 2020)	Mrinmoy Kar, Rounak Ghosh, Sudipta Das, Sreya Bhattacharyya, Srinjan Majhi, Swrnila Nath	JIS University through the INSTITUTIONAL INNOVATION COUNCIL	22/04/2020	Innovation

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Incubation Center GNIT	Incubation Center GNIT	JIS group	The Bug Labs	Software Development	10/06/2019
Incubation Center GNIT	Incubation Center GNIT	JIS group	Collegeaddas	Social Platform	08/07/2020
Incubation Center GNIT	Incubation Center GNIT	JIS group	Cognitobyte	Online digital service provider	29/03/2020
Incubation Center GNIT	Incubation Center GNIT	IDEA-O-METER	Alma Maters	Software Development	19/08/2019
Incubation Center GNIT	Incubation Center GNIT	IDEA-O-METER	Gnit Digi Conclave	Software Development	17/02/2020



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**– Research Publications and Awards**

– Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electronics And Communication Engineering	3
Applied Science and Humanities	1

– Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	INFORMATION TECHNOLOGY	8	4.48
International	APPLIED ELECTRONICS AND INSTRUMENTATION ENGINEERING	4	1.08
International	APPLIED SCIENCE AND HUMANITIES	5	0.47
International	COMPUTER APPLICATION	1	1
International	COMPUTER SCIENCE ENGINEERING	12	3.27
International	ELECTRONICS COMMUNICATION ENGINEERING	15	2.03
International	ELECTRICAL ENGINEERING	3	0.54
International	FOOD TECHNOLOGY	13	5.34

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

Department	Number of Publication
APPLIED ELECTRONICS AND INSTRUMENTATION ENGINEERING	24
APPLIED SCIENCE AND HUMANITIES	2
COMPUTER SCIENCE ENGINEERING	12
ELECTRONICS AND COMMUNICATION ENGINEERING	56
ELECTRICAL ENGINEERING	27
FOOD TECHNOLOGY	21
INFORMATION TECHNOLOGY	23

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– Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
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Radio Controlled Unmanned Derrick	Filed	201931059922	04/12/2019
Astute Trash Barrel	Filed	201931059923	04/12/2019
Agro photovoltaic system (APV) - A promising solution of land Employment along with the Renewable Energy provided by the Agricultural Division	Filed	201931049881	04/12/2019
Title: N-QCM D sensor	Filed	201931049899	04/12/2019
System Identification and Modelling Approach to Identify Diseases using EMG signal Classification	Filed	201931049882	04/12/2019
Fire Fighting System	Filed	201931049902	04/12/2019
IOT and ML based AC and DC voltage controlling and electrical parameter measurement	Filed	201931049917	04/12/2019
Design and Development of Real-Time and Low-Cost Arduino based Electronic Voting Machine (EVM)	Filed	201931049918	04/12/2019
Design of Exo-arm for physically disabled persons	Filed	201931049903	04/12/2019
A Working Prototype of Smart Solar Air Coolerwith Auto Water refill and high Air-Quality Index (AQI) Features.	Filed	201931049919	04/12/2019

[View File](#)

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
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A Survey of Load Balanced Job Scheduling Schemes in Cloud Computing	Sudeep Ghosh, Mizan Chowdhury, T ridib Chakraborty, Suparna Karmakar	Advances in Intelligent Systems and Computing	2020	0	Guru Nanak Institute of Technology	0
Development and Characterization of Biocolour Fortified Yogurt: A New Pathway towards Functional Foods	Kakali Bandyopadhyay, Shairee Ganguly	International Journal of Engineering Trends and Technology (IJETT)	2020	1	Guru Nanak Institute of Technology	1
Study of H field using Higher order Compact (HOC) Finite Difference Method in Semi Conductor Rib Wave Guide Structure	Sucharita Bhattacharyya	Journal of Optics (Springer)	2019	0	Guru Nanak Institute of Technology	0
Design of low loss surface plasmon polariton waveguide and its use as hybrid Tamm sensor with improved sensitivity	Bapita Roy	Optical Engineering	2020	1	Guru Nanak Institute of Technology	1
Security in Smart Meter using IoT	Somalina Chowdhury, Santanu Kumar Sen	IJEAT	2020	6	Guru Nanak Institute of Technology	0
A Fuzzy Graph Recurrent	Amrut Ranjan Jena	Springer Lecture Notes in	2019	0	VIT (Vellore Institute	0

Neural Network Approach for The Prediction of Radial Overcut in Electro Discharge Machining		Networks and Systems (LNNS) Book series, Advances in Distributed computing and Machine learning, pp-257-270			of Technology)	
Facile Synthesis of ZnO Nanofoam on ZnO Nanowire for Hydrogen Gas Detection	Sunipa Roy	Nanoscience Nanotechnology-Asia (Bentham Science)	2020	7	Guru Nanak Institute of Technology	4
Online adaptive protection scheme for electrical distribution network with high penetration of renewable energy sources	Debasree Saha	Journal of Engineering Research	2019	0	National Institute of Technology- Agartala	3
Spectrum-Aware Outage Minimizing Cooperative Routing in Cognitive Radio Sensor Networks	Surajit Basak	Wireless Networks (Springer)	2020	3	Guru Nanak Institute of Technology	0
Anticoagulant, thrombolytic and antibacterial activities of Euphorbia acruensis	Kaushik Roy	Green Processing and Synthesis	2019	10	Jadavpur University	1

latex-mediated bioengineered silver nanoparticles

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
An Integrated Approach for Prediction of Radial Overcut in Electro Discharge Machining using Fuzzy Graph Recurrent Neural Network	Amrut Ranjan Jena	International Journal of Embedded Systems [FREE JOURNAL]	2020	13	0	VIT (Vellore Institute of Technology)
A Fuzzy Graph Recurrent Neural Network Approach for The Prediction of Radial Overcut in Electro Discharge Machining	Amrut Ranjan Jena	Springer Lecture Notes in Networks and Systems (LNNS) Book series, Advances in Distributed computing and Machine learning, pp-257-270	2019	6	0	VIT (Vellore Institute of Technology)
Security in Smart Meter using IoT	Somalina Chowdhury, Santanu Kumar Sen	IJEAT	2020	20	0	Gurunanak Institute of Technology
Study of H field using Higher order Compact (HOC)	Sucharita Bhattacharyya, Anup Kumar Thander	Journal of Optics (Springer)	2019	14	0	Gurunanak Institute of Technology

Finite Difference Method in Semi Conductor Rib Wave Guide Structure						
Design of low loss surface plasmon polariton waveguide and its use as hybrid Tamm sensor with improved sensitivity	Bapita Roy	Journal of Optical Engineering	2020	93	1	Gurunanak Institute of Technology
Facile Synthesis of ZnO Nanofoam on ZnO Nanowire for Hydrogen Gas Detection	Sunipa Roy	Nanoscience Nanotechnology-Asia (Bentham Science)	2020	8	4	Gurunanak Institute of Technology
On BER Minimizing Routing and Power Allocation in Multi-Hop Cognitive Radio Ad-Hoc Networks	Surajit Basaky	Int. Journal of Engineering Science and Computing	2019	21	4	Gurunanak Institute of Technology
Online adaptive protection scheme for electrical distribution network with high penetration of renewable energy sources	Debasree Saha	Journal of Engineering Research	2019	5	3	National Institute of Technology- Agartala

A Review on Microbial-Pigment: A Good Source of Biocolour	Kakali Bandyopadhyay, Shairee Ganguly	The Pharma Innovation Journal	2019	4	1	Gurunanak Institute of Technology
A Survey of Load Balanced Job Scheduling Schemes in Cloud Computing	Sudeep Ghosh, Mizan Chowdhury, Tridib Chakraborty, Suparna Karmakar	Advances in Intelligent Systems and Computing	2020	25	0	Gurunanak Institute of Technology

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### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	109	91	28	191
Presented papers	79	21	0	2
Resource persons	4	2	2	15

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### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Conference	FEMAS 2019	FEMAS Organising Committee	223000
Conference	ICORE 2020	ICORE Organising Committee	171000
Examination	NEET 2019	NTA	377912
Examination	WBJEE2019	WBJEE Board	35900
Examination	PUMDET 2019	WBJEE Board	30050

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#### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Nil	Nil	Nil	0	0

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### 3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Raising funds of Rs. 8500/- from 1st year students' 1-day pocket money to contribute to Community Library Project of New Delhi for poor students on 16.11.19	Applied Science And Humanities (ASHU) Department of GNIT organised for 1st yr as B.Tech. students NSS activity	2	200
Observation of Children's Day on 14.11.19 with the children of Govinda Kumar Orphanage by distributing winter clothes food packets	Applied Science And Humanities (ASHU) Department of GNIT organised for 1st yr as B.Tech. students NSS activity	7	200
Blood Donation event organised on 30.9.19	EE Department, GNIT in collaboration with R.G.Kar Medical college	6	70
Awareness Program in the form of Walk for spreading the message of Save Water-Save Life on 16.8.19, to observe College Foundation Day by GNIT's 1st yr. students as a part of their Induction Program of AICTE	Organised on behalf of the institute and coordinated by Applied Science And Humanities Department (ASHU)	2	450
NSS unit students' Slum-area primary school visit on 16.8.19, the College Foundation Day to distribute study materials among students by GNIT's 1st yr. students as a part of their Induction Program of AICTE	NSS SFU of GNIT as recognised by MAKAUT	2	40
Go Green activity through Tree Planting at GNIT campus	NSS SFU of GNIT where SI and Officer-in-Charge, from Panihati Municipality, North 24 Pargana were the	2	25



	special guests		
Activating Surface water connection at Guru Nanak Institute of Technology from Ganga action Plan on 26.7.19	NSS SFU of GNIT along with Panihati Municipality, North 24 Parganas	2	25
Cloth donation activity entitled 'Your Trash, Someone's Treasure' organised on 30.9.19 near Dakshineswar Temple surrounding area for 475 poor people	CA Department of GNIT	3	60
Distribution of Fruits, Sweets on the eve of Dipawali on 26.10.19 to the residents of Dwijaraj Bhavan Ramkrishna Bridhhasram	Guru Nanak Institute of Technology along with its NSS unit	7	50
Donation of Money (Amount is Rs. 6000/-) raised from 1st year students' 1-day pocket money and Clothes to Goonj, Kolkata, the organisation for Orphanage on 14.11.19	Applied Science And Humanities (ASHU) Department of GNIT organised for 1st yr as B.Tech. students NSS activity	2	200

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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Raising funds for Goonj, Kolkata Community Library Project, New Delhi	Recognised	Recognised by the two NG organizations	200
Blood Donation event organised on 30.9.19	R.G.Kar Medical college participated in the program as they recognised it	Recognised by a Govt. Medical College	70
Donation activities to Dwijaraj Bhavan Ramkrishna Bridhhasram, and	Recognised.	Recognised by the two NG organizations	50

Govinda Kumar Orphanage			
Lockdown period funds to fight against COVID 19	Recognised	Recognised by the two Govt. relief fund authorities	150
Felicific v1.0 program	Recognised	Recognised by the students' community all over West Bengal (through social media)	485
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Save Water-Save Life' program	NSS SFU of GNIT	B.Tech Students of NSS unit spread the message of Save Water to Save the life on 25.07.19 throughout the Guru Nanak Educational Campus which includes 3 other academic institutes, canteen, hostel, staff quarters , students' corner	8	30
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**– Collaborations**

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

Nature of activity	Participant	Source of financial support	Duration
Webinar on AI and Robotics and the importance of electronics engineering in that field by Mr/ Sutanu Chatterjee, Department of Electronics and Nanoelectronics, Faculty of Electronics (???) , Saint Petersburg Electrotechnical	UG Students and Faculties	Self	1

University, The Ministry o			
Session on Higher Studies and Entreprenureship by Mr/ Sutanu Chatterjee, Department of Electronics and Nanoelectronics, Faculty of Electronics (???) , Saint Petersburg Electrotechnical University, The Ministry of Education and Science of the Russian Fe	UG Students and Faculties	Self	1
Webinar on Combating COVID/ 19 by boosting up self immunity using Food Technology	Teachers and students of Local Schools of H/S Level	JIS Educational Trust	1
Seminar on "Food Processing: new technology and upgradation"	students	Falakata Govt Polytechnic college	1
Workshop on Pradhan Mantri Krishi Sampad Yojona	Researchers	Ministry of Food Processing Industries, Govt of India in collaboration with Indian Chamber of commerce	1
World Food Day celebration	Faculties and students	CII	1
Food Tech Conclave	students	Ministry of Food Processing Industries, Govt of India in collaboration with Indian Chamber of commerce	1
International Knowledge sharing Week Programme in Russia	UG Students	JIS Group Russian Embassy	15
Educational Camp in Bangkok	UG Students	JIS Group AIT Bangkok	15
Food Envision (Food Tech Fest)	School students & College students	JIS Educational Trust	2

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Intern (campus ambassador)	National engineering Olympiad 3/0	18/02/2020	18/04/2020	1 Student
Internship	Internship	Indian Oil	10/07/2019	09/08/2019	1 Student
Internship	Volunteering ( Corona Virus Relief Work)	Building Dreams Foundation	22/04/2020	01/07/2020	1 Student
Internship	Internship	Tata Steel Ltd/	25/06/2019	23/07/2019	1 Student
On/ the/ job training	On/ the/ job training	Stanford University (Coursera)	08/07/2019	30/09/2019	2 Students
Internship	CYCLOTRONS	VECC, Kolkata	16/12/2019	16/01/2020	4 Students
Internship	Automation	CGCRI	02/05/2019	10/06/2019	3 Students
On/ the/ job training	On/ the/ job training	Indian Cyber Security Solutions	04/07/2019	31/07/2019	2 Students
Internship	Internship	Intellify	23/04/2020	23/04/2020	1 Student
Internship	Internship	Britannia	24/06/2019	24/07/2019	2 Student
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– MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Globsyn/ 3rd Life	27/07/2019	Providing raining, providing paid internship and Hiring students	2
Infosys	01/05/2020	Providing Infosys Campus Connect Training Programme	2
MSME, Kolkata	08/01/2020	Internship, training, collaborative projects	76
Jadavpur University	25/03/2020	Hand on Training on VLSI Design	52

Ogma Tech Lab, Kolkata	14/11/2019	Technical Training and Industry Visit/ workshop/seminar	122
Ardent Computech Pvt/ Ltd, (ISO 9001certified)	17/02/2020	Technical Training and Industry Visit/ workshop/seminar	122
OPA Technology Solution	20/07/2019	Final Year project with collaboration with Industry and Internship	17
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### CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

#### – Physical Facilities

– Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
26666000	23347645

– Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Laboratories	Newly Added
Classrooms with LCD facilities	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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#### – Library as a Learning Resource

– Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
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Libsys Hash Technology	Fully	NIL	2014
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– Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	47434	19975210	1198	159464	48632
Reference Books	4992	2646181	207	83101	5199	2729282
e-Journals	15064	1363491	7445	531280	22509	1894771
e-Books	115000	0	0	8500	115000	8500
Journals	31	87784	0	0	31	87784
CD & Video	3293	0	0	0	3293	0
Digital Database	0	0	0	0	0	0
Weeding (hard & soft)	0	0	0	0	0	0

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Adhish Kr Chakrabarty	Process control II	Web Based Learning Management System	20/12/2019
Dr Suparna Biswas	Control system	Web Based Learning Management System	20/03/2020
Dr Surajit Basak	Digital Communcation	Web Based Learning Management System	20/03/2020
Dr Sunipa Roy	Basic Electronics	Web Based Learning Management System	20/03/2020
Dr. Sucharita Bhattacharyya	Fiber Optics	Web Based Learning Management System	05/05/2019
Dr. Sucharita Chakrabarti	Mathematics III	Web Based Learning Management System	05/05/2019
Dr.Sangeeta Bhattacharya	Design Analysis of Algorithm	Web Based Learning Management System	01/02/2020
Dr. Paramita Banerjee	Microprocessors and microcontrollers	Web Based Learning Management System	20/12/2019
Dr. Kakali Bandyopadhyay	Unit operation of Chemical Engineering II	Web Based Learning Management System	01/01/2020

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– IT Infrastructure

– Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	876	19	100	42	38	19	777	100	0
Added	45	1	0	0	0	0	45	0	0
Total	921	20	100	42	38	19	822	100	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Google Drive	<a href="https://drive.google.com/file/d/14nmLMqLRb9iMWZw3WzZXTF0JXYb-VwQZ/view?usp=sharing">https://drive.google.com/file/d/14nmLMqLRb9iMWZw3WzZXTF0JXYb-VwQZ/view?usp=sharing</a>
MyPerfectice: Web Based learning management system	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=d94b9a8ca126636f3e346944e4c27eafeba20d15-1588257425189">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=d94b9a8ca126636f3e346944e4c27eafeba20d15-1588257425189</a>
MyPerfectice: Web Based learning management system	<a href="http://ns3134011.ip-51-75-147.eu/playback/presentation/2.0/playback.html?meetingId=5a28e17bf89a601a935fcf4fbf1a8ac8fc15c220-1585146323481">http://ns3134011.ip-51-75-147.eu/playback/presentation/2.0/playback.html?meetingId=5a28e17bf89a601a935fcf4fbf1a8ac8fc15c220-1585146323481</a>
MyPerfectice: Web Based learning management system	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=29880896ab186d919cee5da6c0cd633e1cef10a1-1588862082654">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=29880896ab186d919cee5da6c0cd633e1cef10a1-1588862082654</a>
MyPerfectice: Web Based learning management system	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=77b45f564a18447bc7d539f235087280e57eed75-1585553487429">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=77b45f564a18447bc7d539f235087280e57eed75-1585553487429</a>
MyPerfectice: Web Based learning management system	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=fc8ae94e46a2258db3f2fc7efaa044f489d6d428-1588235403455">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=fc8ae94e46a2258db3f2fc7efaa044f489d6d428-1588235403455</a>
MyPerfectice: Web Based learning management system	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=31f2c24fc43436e120e8217ddef51d312eb54c5e-1585545146739">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=31f2c24fc43436e120e8217ddef51d312eb54c5e-1585545146739</a>
MyPerfectice: Web Based learning management system	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=761c9a724b8fef4a42244a24c84c0d38adbde229b-1588994506139">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=761c9a724b8fef4a42244a24c84c0d38adbde229b-1588994506139</a>
MyPerfectice: Web Based learning management system	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=304772c90113eecbfff49b44367dfe50613d9438b-1585553222149">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=304772c90113eecbfff49b44367dfe50613d9438b-1585553222149</a>
MyPerfectice: Web Based learning	<a href="https://jisonline.myperfectice.com/play">https://jisonline.myperfectice.com/play</a>

management system	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=6f7c9a9f483bbe86a02adb3d420ee634e8429208-1585548267863">back/presentation/2.0/playback.html?meetingId=6f7c9a9f483bbe86a02adb3d420ee634e8429208-1585548267863</a>
MyPerfectice: Web Based learning management system	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=7f322800c0897668d21a447ab18736dc9a895a52-1588934858986">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=7f322800c0897668d21a447ab18736dc9a895a52-1588934858986</a>
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Google Drive	<a href="https://drive.google.com/file/d/1zV0dnfJAvhPt1afcp-Q8qky1XghdFd9v/view?usp=sharing">https://drive.google.com/file/d/1zV0dnfJAvhPt1afcp-Q8qky1XghdFd9v/view?usp=sharing</a>
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	<a href="https://photos.app.goo.gl/RArIuvqgdeld2rn28">66f01e88-1587040133654</a>
Google drive	<a href="https://photos.app.goo.gl/RArIuvqgdeld2rn28">https://photos.app.goo.gl/RArIuvqgdeld2rn28</a>
MyPerfectice: Web Based learning management system	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=ba9ca8f59ab921375ea3d781bb1469dfa270bc76-1585818795528">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=ba9ca8f59ab921375ea3d781bb1469dfa270bc76-1585818795528</a>
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YouTube	<a href="https://youtu.be/MW1zfnAclXg">https://youtu.be/MW1zfnAclXg</a>
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<b>MyPerfectice: Web Based learning management system</b>	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=f7230efa7fae6d0d0ee7dca0fa3f1b8d27390ee4-1587130810599">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=f7230efa7fae6d0d0ee7dca0fa3f1b8d27390ee4-1587130810599</a>
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<b>MyPerfectice: Web Based learning management system</b>	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=d842cf05d20198e456d794aa9d7e782d8732eecf-1588246304967">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=d842cf05d20198e456d794aa9d7e782d8732eecf-1588246304967</a>
<b>MyPerfectice: Web Based learning management system</b>	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=cc848ad8879801ea4e5f2504540f3df015d05310-1589088731827">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=cc848ad8879801ea4e5f2504540f3df015d05310-1589088731827</a>
<b>MyPerfectice: Web Based learning management system</b>	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=55e97c95635444c80369d5575bba8cbcedb817b1-1589003631352">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=55e97c95635444c80369d5575bba8cbcedb817b1-1589003631352</a>
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<b>You Tube</b>	<a href="https://youtu.be/ETYXftUvUhw">https://youtu.be/ETYXftUvUhw</a>
<b>MyPerfectice: Web Based learning management system</b>	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=3524e7d2b52e8b8209175a011c27214aa84867a8-1588850612555">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=3524e7d2b52e8b8209175a011c27214aa84867a8-1588850612555</a>
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<b>You Tube</b>	<a href="https://www.youtube.com/watch?v=KqI8fMnU5NI&amp;list=PLvt4otdG303sBno8oDhSKTMEDBqzjFvSq&amp;index=23&amp;t=0s">https://www.youtube.com/watch?v=KqI8fMnU5NI&amp;list=PLvt4otdG303sBno8oDhSKTMEDBqzjFvSq&amp;index=23&amp;t=0s</a>
<b>You Tube</b>	<a href="https://youtu.be/YS-4SNTQA2Q">https://youtu.be/YS-4SNTQA2Q</a>
<b>MyPerfectice: Web Based learning management system</b>	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=8c6f1b133fe4626bb0e318da42942b63">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=8c6f1b133fe4626bb0e318da42942b63</a>

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<b>You Tube</b>	<a href="https://youtu.be/0Jmw4NXCVck">https://youtu.be/0Jmw4NXCVck</a>
<b>You Tube</b>	<a href="https://youtu.be/u6_Qd8lRSY4">https://youtu.be/u6_Qd8lRSY4</a>
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<b>You Tube</b>	<a href="https://youtu.be/d1GXvQdA_Pk">https://youtu.be/d1GXvQdA_Pk</a>
<b>MyPerfectice: Web Based learning management system</b>	<a href="https://jisonline.myperfectice.com/b/sud-npn-he2">https://jisonline.myperfectice.com/b/sud-npn-he2</a>
<b>MyPerfectice: Web Based learning management system</b>	<a href="https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=5c4ecd2ce5da161f0c9da5b1f4e359150d9792f-1588829019318">https://jisonline.myperfectice.com/playback/presentation/2.0/playback.html?meetingId=5c4ecd2ce5da161f0c9da5b1f4e359150d9792f-1588829019318</a>
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<b>Google drive</b>	<a href="https://drive.google.com/open?id=1YZGX3yRpfKm8S7xL2QLYV5Z0-raGSLbu">https://drive.google.com/open?id=1YZGX3yRpfKm8S7xL2QLYV5Z0-raGSLbu</a>
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MyPerfectice: Web Based learning management system	<a href="https://jisonline.myperfectice.com/b/dr--3za-pua.">https://jisonline.myperfectice.com/b/dr--3za-pua.</a>

#### - Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
46297000	41904807	20558000	18759590

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

The physical and academic facilities including classrooms, computer laboratories and computers are made available for the students who are admitted in the college. The students seek admission to desired courses which include the practical courses as well. They charged fees as per the university guidelines at the time of admission. The installed white boards and class room furniture facilities are utilized regularly by the students but sometimes it is also made available for the government organization for the event like election, competitive exams if not in the use for the said period. The maintenance and cleaning of the class rooms are done with the efforts of the non-teaching staff and in major cases the college goes for the maintenance contract to local experts. The institute allocates proper budget for the cleanliness of the college building. The college has lush green ground maintained by the landscaper appointed by the institution. The college has adequate number of computers and internet connections, firewall, antivirus and the utility software are installed and updated as and when required. All the stakeholders have equal opportunity to use those facilities as per the rules and the policies of the institution. The library is also well equipped with all necessarily required computers. Many computers are installed with internet in the library for the students. One computer is installed in the staff room per faculty for preparing teaching slides for their ICT enabled teaching in the class rooms. All these computers are well maintained and being repaired as and when required by the AMC party of the institute. The ICT smart class room is maintained by the supplier as it is in warranty period of the instruments. The college website has maintained and updated regularly by AMC with Hash

Technologies. The maintenance of generator is regularly done with its company persons as and when required. The water tanks are being cleaned regularly at the intervals of six months as per the management contract the Tank Cleaner Company. All the fire fighting equipment are maintained regularly and upgraded as and when required by the local party.

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## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Freeship and scholarship	38	760000
Financial Support from Other Sources			
a) National	Kanyashree, National scholarship, Scholarship for minority students, Scholarship by private organisation	110	3080000
b) International	NA	0	0
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#### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
OOP with Java	06/01/2020	120	In house Courses offered by specialized faculty members
Matlab Programming	16/12/2019	120	In house Courses offered by specialized faculty members
Android App Devolpment	05/07/2019	120	Ardent Computech Pvt Ltd
Ardino based Embedded Systems	08/07/2019	120	Ardent Computech Pvt Ltd
Introduction to MATLAB programming	08/07/2019	120	In house Courses offered by specialized faculty members
AutoCAD for Industrial Automation	10/07/2019	120	In house Courses offered by specialized faculty members
Basic C Programming	09/07/2019	120	In house Courses

			offered by specialized faculty members
Python Programming	06/01/2020	120	Ardent Computech Pvt Ltd
FPGA	16/12/2019	120	In house Courses offered by specialized faculty members
Training on Microcontroller Programming	08/07/2019	28	In house training by the department of AEIE

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Technical skill development Program , Aptitude soft skill training, Preparatory classes for higher studies	14	80	4	37
2019	Industry Mentor Meet	50	50	10	40
2019	MyPerfectice Baseline Test 1	360	360	10	110
2020	MyPerfectice Baseline Test 2	360	360	10	110
2020	MyPerfectice Baseline Test 3	360	360	10	110
2019	Gate/CAT/MAT preparatory Training	50	50	7	7
2020	Guidance for competitive examinations (Career Launcher)	120	120	110	110
2020	Guidance for	120	120	90	110

	competitive examinations (Myperfectic e)				
2020	Technical skill development Program , Aptitude & soft skill training, Preparatory classes for higher studies	14	80	4	37
2020	Technical and soft skill training program	54	45	0	16
<a href="#">View File</a>					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
1	1	3

### – Student Progression

– Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Capgemini ITC Infotech Pinnacle Infotech Solutions IBS Software Services (P) Ltd Capgemini - BCA Mindtree Kasura Technologies Pvt. Ltd Mphasis Hexaware Technologies VVDN Technologies Pvt. Ltd Zensar Technologies	392	280	Keventer Agro Ltd. Accurex Healthcare Vardhaman Vanijya Globsyn Crystals Extramarks Education Pvt. Ltd./Ju bilant Food Works/Amazon Dr. Gandhi's Laboratory Pvt. Ltd. Renaissance Hospital Disha Eye Hospital Charnock	65	65

Innoraft  
Solutions  
Pvt.Ltd  
Indusnet

Hospital  
Belle Vue  
Clinic Ohio  
Hosp

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	2	BTech	AEIE	Munich University, Germany Portland State University	MS in Automobile Engineering MS in Engineering and Technology Management
2020	5	BTech	EE	IIEST, Shibpur, Jalpaiguri Govt. Engineering College, Kalyani Govt. Engineering College, Management Development Institute Murshidabad, JIS University	ME, M. Tech, MBA, LLB
2019	6	BHM	BHM	NSHM Knowledge Campus, Bengal Institute of Management Studies, Peerless hospital	MBA, MHA
2019	7	B.TECH	ECE	Guru Nanak Institute of Technology Heritage Institute of Technogoly Globsyn Buisness School Columbus State University	M.Tech, MBA M.S



2019	2	BTech	FT	JU, DBS	MTech, MBA
2020	4	BTech	CSE	Jadavpur University, BESU, University of Paderborn, GERMANY	M.E., M.S.
2020	9	BTech	IT	University of Paderborn, Germany, University of Texas,	MS, MTECH, MBA
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– Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State

Government Services)

Items	Number of students selected/ qualifying
GATE	14
GMAT	11
CAT	4
GRE	9
TOFEL	7
Civil Services	1
Any Other	23

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

Activity	Level	Number of Participants
Jodh Singh trophy women's volleyball	Regional	6
Volleyball	Regional	8
Basketball	Regional	5
Badminton	Regional	3
Chess	Regional	4
Gandhar (Singing Competition)	Inter Institutional	20
Mudra (Dance Competition)	Inter Institutional	21
The Red Carpet ( Fashion Show)	Inter Institutional	40
Collison ( Band Competition)	Inter Institutional	29
Collison ( Band Competition)	College Level	25

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– Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Participation in Makaut Chess Team Selection Tournament 2019, 3rd Position in Tech Fest 2019, GNIT (Tesseract 2k19)	National	1	0	GNIT/2018/0398	Neel Sarkar
2019	Lobelia 2k19	National	1	0	GNIT/2018/0270	Ayusha Biswas
2019	Tempest (Champion)	National	1	0	GNIT/2018/0270	Ayusha Biswas
2019	MAKAUT Chess Team Selection Tournament 2019 (Woman) Champion	National	1	0	GNIT/2017/0246	Susmita Goswami
2020	MAGNUS From JIMS AND BBIT (Champion)	National	1	0	GNIT/2017/0598	Rudra Halder
2020	MAGNUS From JIMS AND BBIT (Champion)	National	1	0	Gnit/2018/0092	Syed Zain Hassan
2020	MAGNUS From JIMS AND BBIT (Champion)	National	1	0	GNIT/2019/0647	Riya Bhowmik
2019	MAKAUT Chess Team Selection	National	1	0	GNIT/2017/0577	Saswata Mukhopadhyay
2019	Man of the Match in Marine Institute of Engineering and Management, Taratala (Against NITMAS).	National	1	0	GNIT/2019/0748 GNIT/2018/0549	Sourabh Kar

2019	Man of the Match in Budge Budge Institute of Technology, Budge Budge.	National	1	0	GNIT/2017/0222	Bishal Lama
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Every department has two active student representatives. The student representatives are elected through democratic process of election in which student cast their vote to candidates of their choice. They play important roles in many activities related to fine arts, sports and other co-curricular activities of the department and the students. Various co-curricular activities organized by the association include Seminars, Workshops, Symposium, National Level Conference etc. They also organizes cultural festivals Zyzzva, Farwell, fresher

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni Association of Guru Nanak Institute of Technology has been registered under the West Bengal Societies Registration Act, 1961. Registration Number 6893 of 2013 – 2014 The Alumni Association of GNIT intends to engage and stimulate GNIT alumni network. I desire to work with our alumni members towards understanding and fulfilling the interests of our alumni and ensuring intensive connectivity services and reinforcing network. I hope that we will be able to facilitate academic and professional development, support and guidance to all the students for a more enriching and successful career and life

5.4.2 – No. of registered Alumni:

423

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

46530

5.4.4 – Meetings/activities organized by Alumni Association :

The Alumni association organized 9 Meetings and 6 Alumni Interactions and 1 Alumni Meet during this year.

### CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 – Institutional Vision and Leadership

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

1. vision of the institute The decentralized governance model is manifest in each department to implement and improve the student-centric programmes and activities. The Management is participative and regular meetings are organized amongst the Management members, Principal, faculty and the students in implementing efficient plans. All departments prepare their Departmental Event Calendar at the beginning of every academic year. 2. The matters at the department level are discussed by the HOD with the faculty team in consultation

with the Principal. This increase the belongingness of the faculty in the institution and this brings out the best in them. Institute organizes the get together once in a year, which increases the bonding between staff and management. Staffs are getting the open forum to express their ideas and suggestions.

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

Yes

## 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Library, ICT and Physical Infrastructure / Instrumentation	<p>1. Procurement of text Books and Reference Books in each semester 2. Institutional membership of Science Direct e-journal of Elsevier, British Council for e-journal and e-book, Magzter for e-magazine, membership of National Digital Library for faculty and Staff 3. ICT based teaching methods have been adopted by all the faculty and laboratory assistants 3. Installation of 135 CCTV throughout th campus 4. One new laboratory has been set up for Artificial intelligence and Machine Learning 5. One new class room with LCD facility has been arranged in the college 6.3 new major equipments purchased during the current year. All are above Lakh cost 7. Procurement of equipments of Rs. 81.13 lakhs in the last year</p>
Curriculum Development	<p>Based on the existing curriculum feedbacks are collected from all stakeholders and are analyzed. Considering the current demands of the society and industry and the feedbacks from stakeholders curriculums are modified. The modified curriculum is presented at departmental BOS . The approved curriculum from BOS is placed to the Academic Council. Based on the feedback, the curriculum is modified and the approved curriculum by academic council is placed at BOG for final approval. After the final approval from BOG. It is displayed on the website.</p>
Teaching and Learning	<p>Academic calendar is prepared in advance before commencement of the semester. Different innovative teaching learning methodologies are adopted to provide best teaching learning environment. Assignments are given to the students with strict deadline for their better performance. Invited talks, seminar, workshops, quiz, debate</p>

are done regularly by industry persons and academicians to make up their curriculum Gap. Tutorial classes and Remedial classes are conducted to improve the performance of the students. Special classes for the final year students are conducted for higher studies. Faculties maintain their attendance registers, course file, and action plan Examination and Evaluation

1. Conduction of Unit Test, Surprise Test, Mock Interview and Group Discussion.
2. MAKAUT and Autonomy examination is smoothly conducted by a dedicated Central Examination Cell.
3. Script evaluation and Scrutiny done by external subject matter experts to maintain transparency.
4. Complete online marking system integrated.

Examination and Evaluation

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2. MAKAUT and Autonomy examination is smoothly conducted by a dedicated Central Examination Cell.
3. Script evaluation and Scrutiny done by external subject matter experts to maintain transparency.
4. Complete online marking system integrated.

Research and Development

1. Applied for funds from AICTE, DST and others.
2. Every faculty member is encouraged to enrol/complete Ph.D.
3. Filing of Patents heavily endorsed for students and faculty members.
4. Publication in peer reviewed journal with high impact factor.
5. Publication of Books and Book Chapters.
6. Manifold increase in publication by Faculty members and by students in 2018-2019.
7. Sponsorship and On-Duty for participating in National/International Conference, Seminar, Workshop and Symposium.
8. Organizing Workshops, Interactive Sessions, Industrial Visit, Webinars for students.
9. UGC Minor Projects approved. Faculties are encouraged to take up more Minor and Major projects

Industry Interaction / Collaboration

1. The industry and Academia merged with Microsoft faculty Connection, Infosys Campus Connect and collaboration ISTE, IE etc.
2. Stalwarts from Industry and Academia actively engaged in IQAC, BOS and AC.
3. Special Industry representatives assisting in Syllabi framing.
4. Customary Industrial Visit and Training for students.
5. Infosys Campus Connect

	Certification is already excelling. The college aims to tie up with Cisco and Microsoft for Vendor Certification Program. 6. Special Invited Talk with Industry experts and celebrities.
Admission of Students	1. Admission is strictly based on the admission policies of WBJEE Board through JEE
Human Resource Management	1. Arrangement of a whole new infrastructure to facilitate entire faculty and students to continue teaching-learning process using digital platforme from the safety of home. 2. Arragment of Faculty development programs, workshops, seminars, webinars for faculty and staff on various subjects of engineering and technology

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

E-governace area	Details
Planning and Development	Usage of information and communication technologies allows to encompass all the stake holders involved in the planning and development process of the institute. Incorporation of digital platform to conduct remote classes, meetings with peers and other relevant stack holders for smooth conducting of curriculum and administration activities.
Administration	Usage of ICT tools for improving operational processes allows the Admin Team to manage performance by incorporating strategic manpower connections within the institute thereby empowering all the stakeholders. Institutional mailer from the authorities
Finance and Accounts	The entire financial operation is maintained online and the up keeping is operated by Hash Technologies. All financial deposit and Purchase allotment is transacted online. Incorporation of modern payment platforms like Google Pay, PAYTM, BHIM, UPI facilities.
Student Admission and Support	Digital Chat and Voice support is facilitated to prospective national and international students. Complete assistance by Admission experts is provided to students regarding academic engagement, accommodation, hostel facilities, food habits and cross
Examination	Under the leadership of the Controller of Examination the Examination Cell

works as an Autonomous Vertical and is responsible for smooth conduction of all the examinations. The institute has tied up with Mindlogix for managing the process of examination

### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr. Sreyasree Basu	JIS Research Excellence Award Program	-	6000
2019	Dr. Paramita Banerjee	JIS Research Excellence Award Program	-	1000
2019	Dr. Avali Banerjee	JIS Research Excellence Award Program	-	8000
2019	Sudip Ghosh	JIS Research Excellence Award Program	-	5000
2019	Dr Sucharita bhattacharya	JIS Research Excellence Award Program	-	10000
2019	Dr. Kakali Bandyopadhyay	JIS Research Excellence Award Program	-	2000
2020	Dr Sunipa Roy	Quality, Accreditations, TQM, Growth Strategies KREDO System, Dr. R. Mahadevan, Tamilnadu india	-	2000
2019	Dr Sunipa Roy	NIRF Workshop MAKAUT	-	1000
2020	Dr Sunipa Roy	Digital content development (JISCE)	-	1000
2019	Dr. Sunipa Roy	JIS Research Excellence Award Program	-	17500

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

Year	Title of the	Title of the	From date	To Date	Number of	Number of
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	professional development programme organised for teaching staff	administrative training programme organised for non-teaching staff			participants (Teaching staff)	participants (non-teaching staff)
2019	International Conference on Frontiers in Engineering, Management and Applied Science	International Conference on Frontiers in Engineering, Management and Applied Science	26/09/2019	27/09/2019	100	30
2020	International Conference on Renewable Energy (iCORE) 2020	International Conference on Renewable Energy (iCORE) 2020	07/01/2020	08/01/2020	110	25
2020	AICTE sponsored STTP entitled Educational Technology in Engineering Teaching	-	06/01/2020	11/01/2020	50	0
2020	FDP on Recent and Future Trends in Technology	-	27/04/2020	02/05/2020	90	0

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP on Impact of Emerging Technologies on Applied Sciences, Engineering and Management	1	04/05/2020	06/05/2020	3
NPTEL organised	1	27/01/2020	21/02/2020	30



FDP on Electronic Waste Management - Issues And Challenges				
FDP on Special Theory of Relativity	2	27/01/2020	22/05/2020	100
Workshop on "Embedded System ,WES-2020	3	06/01/2020	13/01/2020	8
NPTEL SPOC Workshop, Eastern Zone	2	27/07/2019	27/07/2019	1
FDP on Machine Learning using Python	8	23/07/2019	26/07/2019	4
NPTEL organised FDP on Introduction to Smart Grid	1	01/07/2019	15/09/2019	75
Workshop on Cloud computing	2	15/07/2019	19/07/2019	5
NPTEL organised FDP on "DC Micro Grid"	1	01/07/2019	15/09/2019	75
NPTEL organised FDP on " Accreditation and Outcome based Learning"	5	05/08/2019	31/10/2019	60

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
132	132	46	46

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Award, Accelerated increment and promotion scheme	Award, Accelerated increment and promotion scheme	Award, Prize for achievement and outstanding performance

**6.4 – Financial Management and Resource Mobilization**

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

AS per the norms, both Internal and External Financial Audits are conducted every year.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the

year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Management	3297733	Different Seminars, Conferences, FDPs, Projects
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6.4.3 – Total corpus fund generated

6633632
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**– Internal Quality Assurance System**

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

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

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

<p>1. Parent-Teacher conducted twice in a semester with more than 90 per cent turnout for pre and post meets analysis. 2. Guardians/parents feedback is critically analysed and adaptive or correctional measures incorporated. 3. Mentorship scheme ensures prompt solution helping students and guardians scaling up to almost 24x7 support function.</p>
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– Development programmes for support staff (at least three)

<p>1. Kirti Award acknowledges staff accomplishments/achievements. 2. Facilities are provided for skill up-gradation with training program. 3. Recognitions are given in Bharati Devi Excellence Award.</p>
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– Post Accreditation initiative(s) (mention at least three)

<p>1. All departments are autonomous and function independently. As per the instructions of Institute, all the departments submit Event calendar, Monthly Review Report, Semester Wise Reports, Academic Performance Reports which are reviewed to ensure accountability. 2. Departments are fully autonomous to design the syllabus based on the current demand of industries and societal need as mentioned in section 6.2.1 (Curriculum Development). 3. Academic calendar is prepared at the beginning of each academic year and are strictly followed by institute and department. 4. Online Examination System is functioning properly to expedite the process of evaluation.</p>
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– Internal Quality Assurance System Details

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

– Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	Resurrect	12/05/2020	12/05/2020	13/05/2020	180

	2020				
2020	FDP Recent and Future Trends in Technology	27/04/2020	27/04/2020	02/05/2020	192
2020	Internal Smart India Hackathon	20/01/2020	20/01/2020	20/01/2020	192
2020	COVID 19 Hackathon	20/03/2020	20/03/2020	20/06/2020	180
2019	Industry Academia Meet cum Exhibition on e-waste management, MHRD, Govt of India	07/11/2019	07/11/2019	08/11/2019	600
2019	One-Day Workshop on Regional Mentoring Session for Institution's Innovation Council IIC 2.0 nd Atal Ranking of Institutions on Innovation	13/08/2019	13/08/2019	13/08/2019	182
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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Poster Exhibition on Women in Science	11/03/2020	11/03/2020	20	12
Seminar on "Women in Engineering"	16/09/2019	16/09/2019	83	71

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

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

## 7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4
Provision for lift	Yes	4
Braille Software/facilities	No	0
Rest Rooms	Yes	4
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	2
Any other similar facility	No	0

## 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	25/07/2019	1	Rally for Save Water-Save Life	B.Tech Students of NSS unit spread the message of Save Water to Save the life throughout the Guru Nanak Educational Campus which includes 3 other academic institutes, canteen, hostel, staff quarters and students corner	450
2019	1	1	16/08/2019	1	Walk for	The	475

			9		Save Water save life	students and staff members walked through Nilgunj Road locality and B.T. Road surrounding the Guru Nanak Educational Campus for spreading the message to save water to save life to the local residents 475	
2020	1	1	29/01/2020	2	Saraswati Sera School -2020	To explore the creativity of school students	60
2020	1	1	27/02/2020	2	Workshop cum Boot camp on Science and Language Skills to celebrate National Science day	Participation of school students from nearby schools in various competition like Science Quiz, SPELL BEE, Model Display/Poster Presentation etc	56
2020	1	1	29/04/2020	1	Workshop on Digital Learning Platforms	To make the school teachers aware of	26

					for School Teachers	various digital platforms and how to implement it	
2020	1	1	24/04/2020	45	Weekly Special Guidance on Physics Chemistry	Special Guidance and giving a chance to clear doubts of HS appearing students on physics and chemistry at 102 level	45
2020	1	1	29/04/2020	1	Workshop on Combating Covid-19 by boosting up self immunity	Awareness program for boosting up the immunity by using Food Technology	40
2020	1	1	07/05/2020	1	Online Career Counseling	To make the students aware of several career prospects after passing 102 level examination	51

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#### 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
<b>No Data Entered/Not Applicable !!!</b>		

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Motivational speech on universal values and ethics by	07/08/2019	07/08/2019	454

Subham Biyani from ISKON			
A session on Universal Human Value by Mr. Suman Kar	05/08/2019	05/08/2019	457
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Guru Nanak Institute of Technology is Green Zone. It is Plastic and Smoking Free zone.
The Campus is verdant with 240 species of plants and flowers. The NSS Team regularly add on and we are trying to collaborate with organizations for catering to the surrounding environment.
Strict protocol adherence to Ministry of Environment and Forests in dealing with E Waste.
Solar Energy usage in key locations across the campus.
LED lights installed to save electricity. A dedicate save energy team looks after and prevents wastage. Air conditioners remain switched off during winter for almost 3 months.
Water Level Detectors installed to prevent spill over. A dedicated save water team monitors and prevents wastage.
Central facilities are maintained with utmost care.

#### 7.2 – Best Practices

##### 7.2.1 – Describe at least two institutional best practices

1. We have adopted the project based learning methodology and modified the curriculum accordingly which are effective from 1st July 2018. 2. All staffs and students are awarded for their outstanding performance and achievements by KRITI Award.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://gnit.ac.in/>

#### 7.3 – Institutional Distinctiveness

##### 7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Guru Nanak Institute of Technology, by virtue of its cutting edge outcome based education, offering an uniqueness in teaching-learning process. All-round development of students with top class ambience, are prevailing everywhere which makes it distinct to achieve its vision and mission. An unique amalgamation of valued traditions with modern outlook is the guiding principle behind the development of academic environment of the Institute. Project based learning has been introduced in the regular curriculum. Besides the required curricular activities, students are exposed to a number of other activities like gamification, interactive seminars, career launcher etc. all are premeditated to bring about qualitative growth of the students. Through such programs, students are constantly updated and encouraged to develop their leadership qualities and improve their communication skills. There is a constant endeavour on the part of the members of faculty and staff of the Institute to help students in this grooming process. Teachers adopt a

continuous evaluation system through the interaction and assessment of the students. Prevalent regulations are already flowing on, with that a regular upgradation is the key feature of GuruNanak Institute of Technology. Course teachers also adopt a continuous evaluation system independently to track and record the overall growth of students.

Provide the weblink of the institution

<http://gnit.ac.in/>

### **8.Future Plans of Actions for Next Academic Year**

To secure national and international Rankings such as THE, QS STAR, NIRF etc. To place our students in Semester Exchange Programme in top corporate houses. To increase the awareness about the entrepreneur and motivate our students towards startup apart from the placement. Motivate more students to work on top governmental and NGO projects which is fully sponsored. Initiation should be taken to make our campus ecofriendly. Enhance the functioning of the Grievance Redressal Committee, Disciple Committee, AntiRagging Committee. Organizing International/National Conferences, seminar, short term training program etc. To enhance Research and Development activities in various state of the art domains and to increase the quality publications in referred Journals. To promote the consultancy activities. To ensure more faculty participation in different faculty development program.