



## Yearly Status Report - 2017-2018

### 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		Dr. Sudhir N. Shelke
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		07118661450
Mobile no.		9765556956
Registered Email		gni.principalgnit@gmail.com
Alternate Email		sudhirshelke1976@gmail.com
Address		Guru Nanak Institute of Technology (Formerly known as Guru Nanak Institute of Engineering and Management) Khasara No. 95, Mouza Dahegaon, Kalmeshwar road Nagpur
City/Town		Nagpur
State/UT		Maharashtra

Pincode	441501																		
<b>2. Institutional Status</b>																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Semi-urban																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Reena Thakur																		
Phone no/Alternate Phone no.	07118661410																		
Mobile no.	7756902690																		
Registered Email	gni.hodcsegnit@gmail.com																		
Alternate Email	rajubondre15@gmail.com																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="https://gnit.in/naac/">https://gnit.in/naac/</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://gnit.in/academic-calender/">https://gnit.in/academic-calender/</a>																		
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.21</td> <td>2018</td> <td>30-Nov-2018</td> <td>29-Nov-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.21	2018	30-Nov-2018	29-Nov-2023
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B	2.21	2018	30-Nov-2018	29-Nov-2023														
<b>6. Date of Establishment of IQAC</b>			08-Aug-2016																
<b>7. Internal Quality Assurance System</b>																			
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															

Art of Living	24-Jul-2017 1	35
Academic Quality Audit Odd semester	28-Dec-2017 2	40
Academic Quality Audit Even semester	12-Jun-2018 2	45

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

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	Nil	Nil	2018 0	0
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View Link](#)

**10. Number of IQAC meetings held during the year :**

6

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

Yes

Upload the minutes of meeting and action taken report

[View Uploaded File](#)

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

No

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

Encourage Staff members to Industry Institute interaction for applying consultancy, Research Work, industrial projects.

Departmental IQAC committees were initiated.

Meetings with faculty members are initiated to formulate the action plan. The implementations are reviewed in the subsequent meetings.

Monitor and ensure the quality of student's activities, departmental and staff member activities for timely, competent and progressive performance of academic duty.

Monthly activities collected from the departments to monitor and improve the performance.

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**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
Fulfilling social responsibilities	Remedial Class for weaker students in English language, Maths, Physics for 1st year students. Books, clothes, food, medicine donation camps to slum dwelling children under NSS and Rotaract activity.
Development Programmes	Orientation programmes for faculties on teaching and research methodology. Counseling session for students. Participation in workshop, conferences, seminars and STTP by faculties to improves their teaching skill and Profile.
Academic Audit	Academic audits (Self-Departmental Academic Audit and Internal Audit) conducted at the end of each semester session. In self departmental academic audit a committee of departmental faculties was formed and audit was carried out. In Internal Audit a committee at central level was formed and all the departments were audited. Which results in enhanced the teaching learning processes including assessment and evaluation.
Participation from stakeholders	Alumni meetings continuously arranged, Annual alumni meet organized to improve wholesome education and development. Principal of the institute continuously interacts with the students to discuss various aspects
To collect feedback from parents, employee and alumni	The Feedback were collected on sample basis and examined. The consolidated report was placed before the management for effective implementation of the suggestions received from them
Minimizing environmental degradation	To decrease use of paper and plastic, The proper drafting and optimization of stationary required. Tree plantation,

	Optimization of existing infrastructure etc.
To conduct quality awareness campaign	The IQAC has conducted quarterly meetings under the chairmanship of the Principal. The detailed plans and programmes were formulated for quality awareness.
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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
Local Management Committee	15-Jun-2018

<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	2018
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Date of Submission	08-Mar-2018
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<b>17. Does the Institution have Management Information System ?</b>	No
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## Part B

### **CRITERION I – CURRICULAR ASPECTS**

#### **1.1 – Curriculum Planning and Implementation**

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

The Institute is affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, The academic calendar is designed on the basis of academic calendar issued by affiliating university. The College thoroughly designs and develops action plans for effective implementation of the curriculum. The Principal of the institution conducts meetings regularly with the Heads of departments to develop various strategies for effective implementation of the curriculum. Each department has set Vision and Mission exclusive for the department, which are aligned with the Vision and Mission of the Institute. Program Educational Objectives (PEOs) and Program Outcomes (POs) are scripted for each program and Course Objectives and Course Outcomes (COs) are defined for each course (Theory & Practical). Lesson plans and subject course files are maintained by each faculty for their respective subjects allotted, which is reviewed on continuous basis by the review of monitoring committee. The initiatives provided by the institution for effective curriculum delivery are as follows: The Institute develops action plan for effective implementation of the curriculum prescribed by Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur. In the beginning of

academic year, Principal announces the Academic Calendar in consultation with heads of various departments and schedules of academic, evaluation and extra-curricular events is strictly implemented in every semester as well as time table is to display by respective departments. Seminars, assignments, sessional Examinations, Pre University Test as planned in the academic calendar are monitored by HODs and other institute level committee members. Student counseling is to be done by teacher coordinators wherein over 15 students are counseled by Faculty Counselor in order to motivate and counsel the students periodically for betterment of academic performance. Institute- parent interactive meetings are conducted to discuss the performance of the students for timely taking action. Principal, HoDs and Faculty members meet students and parents personally to discuss the progress of the students. The syllabus, question papers, notes, NPTEL materials, PPTs, and videos are available in departmental library as well as on web portals and Moodle so the students get encouraged to utilize these resources for improving the knowledge. Internal Quality Assurance committee (IQAC) and Academic monitoring committee are functional at Institute level. Institute encourages faculty members to participate in seminars, STTPs, FDPs, workshops and training programs etc. Slow learners are given by conducting remedial classes by guest lecture from eminent professor of reputed institute The laboratory facilities are as per AICTE norms. The experiments are conducted as per the university syllabus and additional experiments beyond syllabus are conducted for the benefit of the students. This is also depicted in the laboratory manual for further assistance. Industrial visits are encouraged to provide practical knowledge and Industrial Collaboration with signing MoUs is facilitated to expand the learning process of the students. Well ventilated as well as good surrounding class rooms and seminar hall, auditorium with adequate seating are provided for the students and faculty with uninterrupted power supply is provided by the institution during working hours.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
CNC Programing and Operation	NA	11/09/2017	5	Focus on Entrepreneurship	Programming Language
Auto Cad	NA	29/01/2018	5	Focus on employability	Draw orthographic and isometric projection

#### 1.2 – Academic Flexibility

##### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	0	29/06/2018
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##### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Mtech	0	29/06/2018

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

	Certificate	Diploma Course
Number of Students	125	0

### 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
FDP on SAP 2000(CE)	24/08/2017	110
Aptitude Workshop (ASH)	29/01/2018	120
Computer Aided Drafting Designing (ME)	05/02/2018	35
Application of software in civil engineering project (AUTOCAD 2D3D) (CE)	09/02/2018	45
Advances in microwave (ETC)	19/07/2017	15
Windows Application Programming (CSE)	24/07/2017	22
Hardware and Netware (CSE)	08/02/2018	20
Hands-on training on NS-2 and Latex (ETC)	13/02/2018	15

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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
BE	Internship at ITNetworkZ, Nagpur (Live Project)	5
BE	Axiom TechGuru (Live Project)	1
BE	Nagpur metro Rail corporation(CE)	10
BE	Ark's associates Nagpur(CE)	20
BE	Ultra tech RMC Plant Nagpur(CE)	10
BE	PWD Kalmeshwar(CE)	20
BE	H.S.Tagore construction Nagpur(CE)	5
BE	Swapnil construction Nagpur(CE)	5
BE	Tirupati Reality Nagpur(CE)	5
BE	Green city Builder	15

**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**

Feedback is an essential and integral part of an ongoing learning process. It helps in gathering the perception of learning experiences/learning outcomes, comprehensive Course review, motivation and engagement along with overall satisfaction of the stake holders for continuous improvement of the Institution. Institution established Academic Council in order to ensure and analyze the academic excellence at student and faculty levels. Hence, every department undertakes both formal and Informal Feedback from its various stakeholders viz. students, alumni, parents, employers etc. on various parameters. The feedback is assessed, analyzed and best actions/ measures are undertaken for the Institutional quality enhancement. Periodical analysis is made by Academic Council from the following: student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality enrichment. Guru Nanak Institutions of Technology thoroughly reviews the curriculum for every academic year. The college maintains an IQAC as a quality consistence and quality enhancement measure. In supervision of IQAC, various departments and committees like Career Guidance, Anti Ragging and Sexual Harassment Committee, etc reinforce the curriculum by incorporating updated information and diurnal social issues. Institute collects the feedback physically from stockholders viz. Students, Parents and Teachers on Curriculum which is prescribed by the university, further college website invites also stockholder to provide feedback through online. The college conducts annual Alumni Meet, in which suggestions and feedback is received from Alumni students. Feedback from industrial management, R D establishments and professionals is obtained through college website's feedback blog. The provided feedback data is presented to the Academic Council Meeting for necessary implementation in curriculum. Alumni surveys are conducted during alumni interaction at the alumni association meeting held every year Whenever any alumni visits the college, feedback is taken Further, college website invites alumni to provide feedback through online. Feedback from industry, R D establishments, professional bodies also are obtained Student's feedback is filled by both UG and PG Students on their last examination day in the college. Attendance of each student is mentioned in the feedback form. Feedback is received on varied aspects of the college including location, office, canteen, laboratory, library, administration and academics. The points are calculated according to the grades given by the students in various criteria. The grades are given as A, B, C, D, E (where A5, B4, C3, D2, E1). The Average and percentage of various criteria are calculated. The strength and weaknesses mentioned by the students are summarized. Feedback is also collected from the parents during Parent Teacher Meetings (PTMs) that are organized by each and every department of the college. Suggestions and comments given by the guardians are also taken into account for future development. The different

areas where improvements are required are discussed in respective committees/departments. The proposals given by the different committees and departments are discussed in GB of the college for necessary action. Strengths of the college are also taken into consideration for further up gradation.

## 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
Mtech	Heat & Power Engineering	24	13	13
Mtech	Structural Engineering	24	24	24
BE	Mechanical Engineering	120	17	17
BE	Electronics & Telecommunication	120	0	0
BE	Electrical Engineering	60	9	9
BE	Computer Science & Engineering	60	10	10
BE	Civil Engineering	120	53	53

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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
2017	89	37	133	6	6

### 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
133	133	15	22	1	1

[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)

The Main aim of the counseling cell, functions as a part of Student Support Services (SSS) for student retention. The principal and all the tutors do the counseling of the students and school students and guide them regarding curricular, co curricular, career and personal matters. The cell nurtures the students through the different activities and allows the students to cross the hurdles in the academic year thereby marching smoothly towards success .Apart from this it helps the students to overcome class, social, and cultural barriers to complete their college education. The Guidance and Counseling Committee is looked after by a teaching faculty. Apart from the main in charge the other faculty members take up specific roles in the activities conducted. Under this cell there are different programs conducted with an aim of catering to the needs of individual differences. The committee identifies students who require services on priority along with their areas of deficiency and suggests the improvement required. The weaker students once identified they need academic counseling thus for improving their performance. The following are the activities conducted under this cell 1. Nurturing through the remedial teaching program. 2. Getting scholarship for students through various organizations GNI trust. Regarding the career counseling the students are helped to get answers to the following questions 3. Directing them through the proctorial system Apart from this the ones who are financially weak are helped by the following activities 4. How to choose the right career? 5. Mentoring through study circles 6. Guiding for financial assistance from bank. 7. What should be the career goals? 8. How can career goals be achieved? 9. What survival skills and personal attributes are required to succeed? The counseling cell functions in coordination with the placement cell in order to solve the career guidance related problems a) The guidance and counseling help desk was active since the beginning of the admissions till the orientation programmes to guide the students for making correct choices in terms of subject combinations and for choosing the right option for them. The other queries of the students were also answered. b). The Principal being the head of the Guidance Counseling Cell, guided many students throughout the session and provided multiple counseling sessions to the students in need, along with the tutorial teacher. The whole process is kept confidential in order to maintain the dignity of counseling. c).The Principal along with the faculty counseled few of the students who faced problems during practice teaching due to the family problems or personal anxieties. d). Besides all these things the students approached the cell for any kind of personal, vocational educational guidance required by the students even when they leave the college.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1121	133	1:8

## 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
133	133	0	0	7

### 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
2018	Dr. Hema Kale	Assistant Professor	PG Teacher Recognition from RTMNU, Nagpur
2018	Dr. Varsha Gaikwad	Assistant Professor	PG Teacher Recognition from RTMNU, Nagpur
2018	Dr. Neetu Gupta	Assistant Professor	PG Teacher Recognition from RTMNU, Nagpur

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## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	419619110	IV	10/05/2018	14/06/2018
BE	419619110	VII	24/11/2017	19/12/2017
BE	419619110	V	23/11/2017	19/12/2017
BE	419619110	III	27/11/2017	18/12/2017
BE	419624210	III	27/11/2017	18/12/2017
BE	419624210	V	23/11/2017	23/12/2017
BE	419624210	VII	24/11/2017	23/12/2017
BE	419624210	IV	10/05/2018	14/06/2018
BE	419624210	VI	14/05/2018	14/06/2018
BE	419624210	VIII	10/05/2018	07/06/2018

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institute has adopted all the reforms introduced by the RTM Nagpur University. Internal Theory Assessment: For theory courses, formative assessment is carried out by Sessional examinations I II, and Pre University Test (PUT) for all the students. Sessional tests are given a weight age as per syllabus covered as average assessment and Pre University Test (PUT) is conducted for 80 marks. Theory internal assessment marks is calculated by average marks scored in internal assessment tests along with attendance, assignments and bonus marks for student's participation/ performance in co-curricular extracurricular activities beyond class room activities. Internal Practical Assessment: The formative assessment of lab courses is uniform across the departments. Each experiment is valued for the procedure, observations, result obtained, graphical representation if any, viva vice and record writing. Internal Practical Examination is conducted at the semester end and the internal assessment marks is calculated on the basis of attendance, performance in laboratories, regular checking of practical records and viva vice are included for calculation of marks. Project Evaluation: The final year projects are internally evaluated by the guide, Project In-charge and head of department. The internal evaluation of project is based on project seminars conducted project attendance, viva vice, working status and thesis submission. The university assessment for the project is done by external examiner appointed by university through a final presentation and viva.

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

The institution adheres to the academic calendar for the conduct of Continuous Internal Evaluation (CIE). The academic calendar is prepared before commencements of the sessions every year by the Institute within the framework of a schedule set by the affiliating University i.e. RTM Nagpur University. The college academic calendar consists of display of time table, commencement date and last working date of teaching, Teaching period, dates for conduction of the internal assessment tests, dates for assignment display and submission, Parent teacher meeting schedule Extra Co-curricular activities. The teaching methods are planned and executed to achieve the course and program outcomes, as the

Institute believes in Education first. The faculty members use interactive and innovative teaching pedagogy to ensure the best content delivery. The evaluation processes are made very transparent and the internal marks obtained by the students are displayed on the department notice boards. Adhering to the dates specified by the University, the internal assessment marks are submitted to the University.

## 2.6 – Student Performance and Learning Outcomes

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

<https://gnit.in/wp-content/uploads/2020/01/CO-and-PO-all-Branches.pdf>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
419621210	Mtech	Structural Engineering	8	8	100
419659610	Mtech	Heat and Power Engineering	3	3	100
419619110	BE	Civil Engineering	129	115	89.14
419624210	BE	Computer Science and Engineering	31	29	93.54
419661210	BE	Mechanical Engineering	126	107	84.92
419637210	BE	Electronics & Telecommunication	36	30	83.33
419629310	BE	Electrical Engineering	21	18	85.71

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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)

<https://gnit.in/satisfaction-survey/>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	0	Nil	0	0

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### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Seminar on : Intellectual Property Rights (IPR/Patents) Awareness Program	Civil Engineering	24/06/2017
Workshop on Intellectual Property Rights (IPR/Patents) Awareness Program	Mechanical Engineering	16/06/2017

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
NIL	NIL	NIL	Nil	NIL
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nil
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### 3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	1
Civil Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical Engineering	1	7.87
International	Electrical Engineering	1	4.61
International	Civil Engineering	1	6.22
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Mechanical Engineering	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
NIL	NIL	NIL	2017	0	NIL	0
NIL	NIL	NIL	2018	0	NIL	0
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
NIL	NIL	NIL	2017	0	0	NIL
NIL	NIL	NIL	2018	0	0	NIL
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	21	0	0
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### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
International Day of Yoga Celebration.	Art of Living	48	127
Tree Plantation program	NSS	4	21
Alumni Meet	GNIT Nagpur	30	180
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Quality Management system	ISO 9001:2008 Compliance certificate	Integral Certifications Pvt. Ltd.	0
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Environment Awareness	NSS	Tree Plantation program	4	21
Health Awareness	Art of Living	International Day of Yoga Celebration.	48	127

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### 3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
NIL	NIL	NIL	0

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Construction of vehicle parking shed	Nitin shende Civil Contractor Sadar Nagpur	15/06/2017	28/06/2017	5
Internship	Training at Power plant	Koradi Thermal power station	06/12/2017	09/12/2017	10
Site Visit	Industrial Visit at Kanhan Automatic Water Treatment Plant	Kanhan Automatic Water Treatment Plant, Nagpur	23/09/2017	23/09/2017	20
Site Visit	Site Visit to 'Maharashtra State Road Transport Corporation'	'Maharashtra State Road Transport Corporation', Hingna Road Nagpur	12/09/2017	12/09/2017	25
Internship	Internship at Paarsh	Paarsh Touch	05/05/2017	02/10/2017	5

	Touch Software Solutions, Nagpur	Software Solutions Near Anaj Bazar, Trimurti Nagar Square, Nagpur (MS)			
Internship	Internship at ITNetworkZ, Nagpur	ITNetworkZ, 202/102, Akansha Apartment Road, Laxminagar, Nagpur, Maharashtra 440022	01/05/2017	03/10/2017	5
Site Visit	Industrial visit at WEBAKRUTI PVT LTD	WEBAKRUTI PVT LTD, Nagpur	10/01/2018	10/01/2018	18
Site Visit	Industrial visit at YALAMANCHILI PVT LTD, NAGPUR	YALAMANCHILI PVT LTD, NAGPUR	16/09/2017	16/09/2017	23
Internship	Training on Maintenance of High Rating Machine	Ashok Leyland	12/06/2017	27/06/2017	5
Internship	Training on Power Transmission	National Power Training Institute	25/10/2017	28/10/2017	5
<a href="#">View File</a>					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Lemures Technologies	17/07/2017	Workshop On Cloud Computing	56
Astral Informatics (P) Ltd	21/08/2017	Civil / Structural Drafting	77
CADD CENTRE	09/10/2017	Learning Software	55
Webakruti, Nagpur	10/10/2017	Live Projects Practical exposure	35
Axiom Tech Guru Pvt. Ltd.	28/12/2017	FDP, CRT Technical Workshop	38
<a href="#">View File</a>			

#### **CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES**

#### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
12	8.4

##### 4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
<a href="#">View File</a>	

#### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Synchronik Software Ngp	Fully	5.0	2009

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	19253	6713821	0	0	19253	6713821
Reference Books	1078	360499	0	0	1078	360499
e-Books	525	0	0	0	525	0
Journals	0	0	0	0	0	0
e-Journals	521	0	0	0	521	0
Digital Database	250	0	0	0	250	0
CD & Video	400	0	0	0	400	0
Library Automation	1	16500	0	0	1	16500
Weeding (hard & soft)	0	0	0	0	0	0
Others(s pecify)	0	0	0	0	0	0
<a href="#">View File</a>						

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Sudhir Shelke	Fundamental of Programmable Digital Signal Processors (DSPs)	Slide Share	03/07/2017
Dr. Sudhir Shelke	Texas Instruments TMS320C54x DSP Architecture and Data Addressing	Slide Share	13/07/2017
Dr. Sudhir Shelke	CPLD FPGA ARCHITECTURES and Application	Slide Share	16/08/2017
Dr. Sudhir Shelke	ARCHITECTURES of TMS 320 C5XX	Slide Share	28/08/2017
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	350	277	350	0	60	4	9	32	0
Added	0	0	0	0	0	0	0	0	0
Total	350	277	350	0	60	4	9	32	0

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

32 MBPS/ GBPS
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##### 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
NIL	<a href="#">0</a>

#### 4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
6	4.7	7	5.8

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

1 GNIT has one stationary store and maintenance room with total area 62 m2 2
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Hygiene is maintained by the in-house cleaning staff supervised by the Administrative Officer. 3 Well furnished class rooms are cleaned by sweepers daily. 4 The computer hardware, software and its networking are taken concern by Lab Assistant of Computer Science Engineering Department. 5 Seminar hall of the department is maintained by departmental attendant Technical Assistant at regular intervals. 6 Usual maintenance of equipment in all laboratories is carried out by the technical staff at the departmental level while in some cases it is referred to the sales service department of the equipment manufacturer or a service provider. Concerned laboratory in-charge refers the case to HOD. Then HOD refers to the service provider and as well as reported to the principal. 7 Canteen is located in the campus and is maintained by an external agency. 8 Institute has employed technicians for up keeping and maintenance of electrical and water drinking/ drainage facility. 9 Security staff is employed to safe guard the whole premises. 10 Drinking water is made available to students and staff by proper allocation of RO systems. 11 Portability of water is checked properly within period of 3 months.

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

## 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	HUM Foundation and Late Sardarni Tejinder Kaur Tuli Memorial and Charitable Trust	20	200000
Financial Support from Other Sources			
a) National	Nil	0	0
b) International	Nil	0	0
<a href="#">View File</a>			

#### 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
Guidance for competitive examinations	11/07/2017	355	1. Mr. Aanad Telang, IES, Ministry of Defence 2. Mr. Avinash Naidu, Academic Head , Career Launcher, Nagpur
Career Counselling	06/02/2018	549	1. Mr. Aman Bhudraja, Team Leader, Persistent Systems Ltd. 2. Mr. Hemant Waghmare, Project Officer, MCED 3. Dr. Bidhan Datta, BS Pune

Soft skill development	20/03/2018	485	1. Barclays CSR Program 2. Art of Living Center
Remedial coaching	16/04/2018	126	Faculty members of all Departments
Language lab	12/09/2017	89	Prof. Sanchal Tarode, Language Lab Instructor, GNIT, Nagpur.
Bridge courses	03/10/2017	382	1. Dr. Sudhir Shelke, Principal GNIT, Prof. Rajiv Verma, HOD ETC GNIT and Prof. Amar Banmare, HOD ETC GNIET, Nagpur 2. Dr. Sanjeev Shrivastava, CEO, GNI 3. Mr. Raj Arora ,Rewat network academy nagpur. 4. Dr. Latesh Malik, Govt. College of Engine
Yoga and Meditation	29/01/2018	546	Patanjali Members committee
Personal Counselling	25/07/2017	416	1. Mrs. Bhavya Chowdhury, Mr. Sarvesh Chowdhury, IBS, Nagpur 2. Mr. Anish Kumar Dhablia, TPO, GNI, Nagpur 3. Mr. Rishi Chourasia, Vikalp Education
<a href="#">View File</a>			

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
2018	CRT and Career Counselling	352	336	29	3
<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
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0

0

0

## 5.2 – Student Progression

### 5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Epic Research Pvt. Ltd., UCN Cable Network, Rapid Eagle Inc. , IT-NetworkZ Infosystems Pvt. Ltd. , FACE, Yalamanchili Manufacturing Pvt. Ltd., and CMS IT Services, Nagpur	178	15	Ekta Telecommunication Pvt. Ltd., Indore and Dhandhania Infotech	29	3
<a href="#">View File</a>					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	GNIT	Computer Science Engineering	Conestoga College, Ontario, Canada	PG Diploma in Enterprise Content Management
2018	1	GNIT	Computer Science Engineering	Royal Holloway University of London, UK	Master's in Data Science & Analytics
2018	1	GNIT	Computer Science Engineering	Technical University of Chemnitz, Germany	Masters in Automotive Software Engineering
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### 5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GRE	4
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
Kabaddi	Institute Level	100
Basketball	Institute Level	150
Volleyball	Institute Level	135
Chess	Institute Level	60
Nag-Panchami	Institute Level	40
JALSA 2017	Institute Level	350
Dahi Handi	Institute Level	105
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2017	Silver Medal	National	1	Nil	Nil	Devendra Nagotra
<a href="#">View File</a>						

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

College has various academic administrative bodies for the active participation of the students. This inculcates leadership quality among the students, enhance their overall personality, develop confidence in them, nurture their inner strength and can showcase their talent. 1. Each section from I Year to Final Year has a Class representative, elected by the class members. 2. Nominees for Class Representative (CR), should be regular i.e. having good attendance, good academic record, having Leadership Qualities and should be Active in curricular Extra curricular Activities. 3. Class Representative listen to the views and suggestions of the entire class with respect to the faculty, subjects, syllabus and other things related to the class, and take necessary action. 4. Class Representative helps students to share their views, interests, and concerns with lecturers and principal. 5. Class Representative helps students to solve their subjects difficulties, guide them for RTMNU examination and also encourage to participate in curricular Extra curricular Activities. 6. Every year student forum is being installed by every department. It consist of elected students representatives, who bring in curricular Extra -curricular Activities in the department and institutions. 7. Every year fund is provided for cultural events, sports various activities under student forum. 8. Programs like paper presentations, workshops and seminars are organized by the forum every year. 9. Details of various academic and administrative bodies that have student representatives on them. 1. Student Forum 2. Alumni Cell 3. Cultural committee 4. NSS committee 5. Rotaract Club committee

### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni Association of Guru Nanak Institute of Technology Nagpur is established in the year 2018 for maintaining cooperation with Alumni all over the region

and to involve them with the development of the Institute. One faculty coordinator along with departmental coordinators works for AAGNIT cell. The foremost responsibilities Of the Alumni Association of Guru Nanak Institute of Technology: All departments make a alumni list from the First batch. AAGNIT Plan, implement and promote alumni programs that support the strategic Plan for Institute. It Ensure accurate and complete alumni database records including their name, contact, biographical and career information. To Establish and build Academics relationships, Enables increased support from alumni to Provide platform with a wide range of alumni as well as local, regional, National and International alumni chapter. AAGNIT aware graduating students about alumni benefits and engage them in programs. Partner from various Department of the Institute, lead the introduction of alumni involvement in the growth and continued Progress of the college. Alumni network of the institute is one of the biggest sources of placement opportunities for the students. Alumni help students to get placed at their organizations. Alumni play active role in mentoring students in their areas of expertise. Alumni network enhance students knowledge and give them platform for today's tough job market. Alumni Bridge up the gap between the academic and Collaborate closely with Industries. It enables increased support from alumni and provides platforms and programs.

5.4.2 – No. of enrolled Alumni:

227

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Interaction with Head and Faculties of Department, Internship and Placement Guidance, Career Guidance Entrepreneurship Guidance, Project Guidance etc.

## **CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 – Institutional Vision and Leadership**

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

The institution believes in decentralization of administration and transparency of governance. The liberty is given to all Heads of the department, Faculties and other staff in planning, organizing and implementing various activities in the department in an efficient way. The HODs always entrust the authority and support to the faculty in taking up various activities at departmental level. To develop leadership skills, the institute encourages the all staff to attend training programs. The Management representative (CEO) also adopts a practical way of giving responsibilities to staff to enhance the leadership capabilities. Following procedure is adapted for this purpose. 1. Faculty members are involved in various committees and they are assigned various portfolios, which provide enough opportunities to show their managerial skills and strength. 2. Based on the performance of a faculty in academic work, senior Faculty members and feedback from students, the CEO and Principal identifies the field of expertise of every faculty, provides different levels of leadership tasks and responsibilities to the faculty The Institute has always promoted participation of management as it believes that it would result in creating an ambience favorable for the overall development of the institute. The Management representative (CEO)/Principal actively takes part in the working of the institution. They are always open for the discussion with the teaching and the non-teaching staff to encourage for the effectively improvement of the institutional practice. The Principal along with the Head of the Departments discuss the problems, requirements and suggestions to improve the quality in

educational and the infrastructure. The teaching and the non-teaching staff are included in the Institute level committees as a part of participation of management. The Management representative (CEO) looks after the financial expenditure and manages the funds for various developmental activities. There are various committees constituted to manage the different institutional activities. The Institute has subsequent prominent committees / cell which support decentralization policy: Internal Quality Assurance Cell (IQAC) Research Development Cell Industry Institute Interaction cell (IIIC) Anti-Ragging Committee Library Committee Grievance Redressal Committee Sports Committee Entrepreneurship Development Cell (EDC) The Institute has always promoted participation of management as it believes that it would result in creating an ambiance favorable for the overall growth of the institute. The Management representative (CEO) actively takes part in the working of the institution. He is always open for the discussion with the teaching and the non-teaching staff which, in turn, encourages the involvement of the staff for the improvement of the effectiveness and the efficiency of the institutional process. Regular departmental meetings are conducted. The Principal along with the Head of the Departments discuss the needs, problems and suggestions to improve the educational quality and the infrastructure improvements. The teaching and the non teaching staff are included in the college level committees as a part of participation of management. The Management representative (CEO) looks after the financial expenditure and manages the funds for the different developmental activities. There are various committees constituted to manage the different institutional activities.

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

No

## 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
Admission of Students	Our admissions are done strictly as per DTE, Govt of Maharashtra mandate as per CET / JEE scores. The students come from diverse backgrounds in CAP allotment process of DTE, Maharashtra.
Industry Interaction / Collaboration	The institute has constituted IQAC Cell, it has Industry representatives for suggestions with regards to curriculum development and other academic activities. Our training placement cell continuously strives for networking with industries for placements internships. The Institute has signed MOU with many reputed companies like CADCAMGURU Solutions Pvt Ltd, Global Reach Education, Maharashtra center for entrepreneurship development (MCED). These MOUS are signed for mutual benefits, mainly for value added courses, Certification courses, internships, incubation centres projects.
Human Resource Management	To accomplish the vision of institute, the mission of the Institute is very much committed. Pertaining the

Vision and Mission of the Institute, policies of the institute are drafted. The financial policies of the institute are well designed to lead organization towards excellence. The institute always strives for boosting the quality in engineering education, is reflected in the productive initiatives, satisfactory approaches and instruments for pulling in, selecting, holding and remunerating the available human resource. Significant components like budgetary arrangement, financial assistance, Infrastructure development, Resource planning, developing manpower are properly taken care by administration after getting approved from Governing Body.

Library, ICT and Physical Infrastructure / Instrumentation

The Institute has adequate infrastructure available as per norms of AICTE, State Govt. and University, required for the quality teaching learning activity. The campus is sprawled over 5.05 acres of land in a serene pollution free location not far from the city. Some class rooms are furnished with LCD projectors. The whole ground is Wi-Fi empowered with broadband web network. Interactive Teaching Learning process is carried out through lecture capture application, MOODLE, NPTEL etc. Apart from them, students are motivated to undergo on line courses on platforms like MOOC, SWAYAM, etc. Power generators are used during power Shutdown for the whole campus.

Research and Development

To nurture the culture of innovation and transformation, the college has policy to inculcate research culture among faculty members and students. Institute constantly motivates many faculty members for their higher education as well as their doctoral researches. Institute reviews the contents, checks for plagiarism and proceeds for publication in reputed journals. Institute has licensed version of software for checking plagiarism. Institute has submitted proposals for ISTE, AICTE, STTP for research and development. Institute is in MOUs with many industries. IPR is focus of interest. In view of same various seminars are conducted to create awareness and to promote IPR.

Examination and Evaluation

Guidelines for examination evaluation

are framed by dean Academics.

Examination evaluation process is conducted organized in an effective manner with transparency in the examination process. Examination pattern consist of two sessional exams and one Pre-University Test. Question papers are prepared by subject teacher in desired format before 3 days prior to the start of exam. The subject teacher evaluates the answer sheets with well defined criteria maintaining the transparency and fairness in evaluation process. Few selected answer sheets to be rechecked then moderated.

After re-evaluation, also calculate course outcomes with direct indirect assessment methods to ensure effective learning.

#### Teaching and Learning

The planning of the teaching, learning and evaluation scheduled for all programmes in each discipline is done by a committee consisting of the Dean Academics, respective Heads of Departments. The classroom teaching is encouraged with the use of power point presentations, video lectures, NPTEL lectures, MOODLE server etc. for effective process. In order to provide plenty academic flexibility to teachers-students self learning topics, mini Projects are given to students, assessment of which is done through power point presentations, posters, mini working models etc. Various guest lectures, seminars, workshops, Industrial visits are conducted for students for developing technical skills.

#### Curriculum Development

The institute is affiliated to the RTMNU Nagpur therefore follows the syllabus designed by the University. The Course In-charges prepares Teaching plan of respective Course prior to the start of academic session including the syllabus contents, beyond syllabus contents containing self learning activity, educational videos, etc. to be undertaken along with the planning of mode of delivery. The-contents of the Courses are updated on Moodle Platform by all the Course In-charges for easy access to the students. The Course Outcomes is regularly evaluated after every assessment. The students are given the choice to select and study the Elective Courses made

available by the University. The contents not covered through the University syllabus are taught to the students by including content beyond syllabus in the respective Course.

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

E-governance area	Details
Administration	Biometric system for attendance of faculty and staff. Salary intimation through mail/SMS. Form No. 16 sent through Email to all faculty and staff member.
Finance and Accounts	Scholarship of students and salaries of employees are credited to their bank accounts directly. Students may pay their admission fees through Net Banking.
Student Admission and Support	Admission information/guidelines put up on the Institute's website and admission process carried out strictly as per DTE, Govt of Maharashtra mandate as per CET / JEE scores. The students come from CAP allotment process of DTE, Maharashtra.

### 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
2017	Nil	Nil	Nil	0
2018	Nil	Nil	Nil	0
No file uploaded.				

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2017	Training On MOODLE	MS Office/ Excel Training Program	15/06/2017	18/08/2017	93	13
<a href="#">View File</a>						

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 "Autodesk"	2	19/05/2017	20/05/2017	2
Fdp On "Autodesk Fusion 360"	3	17/06/2017	18/06/2017	2
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	0	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>1. Fee concession to employees for qualification up gradation in GNIT 2. Fee concession to ward of employees in GNIT 3. Sponsorship for various conferences and workshops 4. Sponsorship for research under QIP and other similar schemes 5. Laptops provided to institutional cell for official work 6. Official Vehicle and Conveyance for staff 7. All staff members are eligible for 8 days of casual leave and 10 days of medical leave with pay every year</p>	<p>1. Fee concession to employees for qualification up gradation in GNIT 2. Fee concession to ward of employees in GNIT 3. All staff members are eligible for 8 days of casual leave and 10 days of medical leave with pay every year 4. Various skill enhancement activities for non teaching staff. 5. Periodic Medical Checkup for staff 6. Laptop is provided to staff for official work 7. Bus facility is provided to needy staff at concession rate.</p>	<p>1. Support for attending Workshops conference 2. Seed money for project work 3. Accidental Insurance Policy for all students 4. First aid boxes are available in all departments and sections 5. Concession for siblings 6. Toppers award 7. Achievers Awards 8. Institute scholarship for needy students</p>

**6.4 – Financial Management and Resource Mobilization**

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

The Institute has the mechanism for internal and external audit as per details given below: Internal audit An internal approval system for all expenses is recognized in the place of institute. Therefore, every expenses voucher is recommended by the head of the department and approved by the Principal. All vouchers are audited by an Internal Auditor on a routine basis. External Audit Books of accounts are prepared as per statutory requisite and audited yearly by external qualified chartered accountants. The accounts of the Institute are audited by chartered accountant frequently as per the Government policy. The auditor ensures that all payments are duly approved. The auditor conducts statutory audit at the end of financial year. After the audit, the report is sent to the Management for evaluation.

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
Nil	0	Nil
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6.4.3 – Total corpus fund generated

0
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### 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	Yes	IQAC GNIT, Academic Coordinator all Department, GNIT
Administrative	No	Nil	Yes	IQAC GNIT, Academic Coordinator all Department, GNIT

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

<p>1. The parent-teacher meeting is conducted every year during Induction programme of First year. 2. Monthly performance letters of students to their parents and Parents Meetings for poor performing students. 3. Teacher guardian is assigned to students, who interact with them regularly, discuss their problems, counsel and guide students, monitor their attendance, academic performance and accordingly takes needful action.</p>
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6.5.3 – Development programmes for support staff (at least three)

<p>1. English communication training conducted. 2. Technical workshop conducted to enhance their technical skill. 3. Excel /Power point presentation skill training conducted.</p>
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

<p>1. Applying for the establish Ph.D. Research Centre in near future. 2. To run Add-on /Value added courses in all departments. 3. To encourage the faculties to register as Ph.D. supervisor and enroll Ph.D. students. 4. To establish networking with University, research institutes and industries for placement services.</p>
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6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2017	Quality of Publications	15/06/2017	15/06/2017	30/04/2018	335
2017	Choice Based Credit System	15/06/2017	15/06/2017	30/04/2018	72
2018	Academic Audit (Internal)	15/06/2017	15/06/2017	30/04/2018	90
2018	Administrative Audit	19/06/2017	15/06/2017	30/04/2018	95
<a href="#">View File</a>					

## 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
Beti bachao beti padhao (Under NSS)	11/09/2017	11/09/2017	126	11
International women's day Celebration	08/03/2018	08/03/2018	72	10

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
<p>Institutional buildings are planned and constructed in such a way to get sufficient light and Ventilation. Electric wire fittings are kept in proper conditions to prevent leakage of electricity. Incandescent lamps have been replaced by CFL and now CFL are being replaced by LED bulbs. High star rating Refrigerators and air conditioners are purchased for less consumption of Energy. Institute has adopted E governance practices including partial paperless office, video conferencing, Cloud Storage, e-circulars (Portal). Institutional used paper sold to vendors for recycling. Rejected computers, printers and keyboards in working condition are donated to nearby schools. Tobacco, Cigarettes and Junk food are strictly prohibited in the college campus. Institute is using the renewable energy sources like Rain Water Harvesting, Roof water harvesting to collected water is used for gardening purpose. Hazardous Waste Management like Harmful Chemicals is kept separately in the store room away from the reach of students. Chemicals and safety norms in the laboratory are strictly followed. Students are made aware of the harmful chemicals and safety aspects when they are given instructions before utilizing the chemicals in the laboratories. The laboratories are well ventilated, spacious and equipped with exhausts. UPS Batteries are repaired /recharged/exchanged with the suppliers.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries

Physical facilities	Yes	Nil
Ramp/Rails	Yes	Nil
Rest Rooms	Yes	Nil

#### 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
2017	1	1	09/08/2017	1	Tree Plantation program	Save nature and Save life	25
2017	1	1	26/12/2018	2	Engaging ex-student for empowerment of college.	Engaging ex-student for empowerment of college.	180

[View File](#)

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

Title	Date of publication	Follow up(max 100 words)
Code of Ethics	15/06/2017	Teachers help students learn the academic basics, but they also teach valuable life lessons by setting a positive example. As role models, teachers must follow a professional code of ethics. This ensures that students receive a fair, honest and uncompromising education. A professional code of ethics outlines teachers main responsibilities to their students and defines their role in students lives. For Faculties: 1.Students Matter Most 2.Commitment to the Job 3.Keep Learning 4.Formed the Healthy Relationships with students.
Code Of Conduct	15/06/2017	CREATING AND STRENGTHENING MONITORING BODIES A commission (or

council) should be established to monitor the application of the code. It should reflect a balanced representation of various stakeholders, to ensure that diverse perspectives in the profession are voiced. Where a monitoring mechanism already exists within the education profession it should be assigned the task of monitoring enforcement of the code. Depending on the gravity of the violation, different mechanisms should be brought into play: a) an administrative disciplinary body (such as college boards) b) the internal self-regulating body of the education profession

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

Activity	Duration From	Duration To	Number of participants
International Day of Yoga Celebration.	21/06/2017	21/06/2017	175
Tree Plantation program	09/08/2017	09/08/2017	25
Independence day	15/08/2017	15/08/2017	48
Dahi Handi Utsav-2017	16/08/2017	16/08/2017	333
Ganesh Festival	25/08/2017	01/09/2017	255
Alumni Meet	26/12/2018	27/12/2018	179
Republic Day	26/01/2018	26/01/2018	67
Dassehara Pooja	29/09/2017	29/09/2017	74
<a href="#">View File</a>			

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

Green Practices followed by both the faculty members and the students in the campus are: 1. Bicycles: The student resides nearby villages encouraged to come in bicycles on daily basis. The institute labour and D class employees are uses bicycles as their vehicle. 2. Public Transport: The institution is located just less than 0.5 km from the highway. So we encourage our faculty members and students to use the public transport for safety, security and fuel conservation. 3. Plastic free campus: Use of plastic bags and cups are discouraged in the campus. Even in the canteen usage of steel plates/ leaf plates and steel cups or paper cups are mandatory. 4. Paperless office: Institute has insisted on e-governance since inception of the institution. Work

environment in the college campus is Paperless in which the use of paper is eliminated or greatly reduced. This is done by converting documents and other papers into digital form. Even the official academic information is stored maintained and circulars are preferred to be sent only through institute portal or mails. 5. Green landscaping with trees and plants: The institute has taken several measures for planting to make Green Campus. There is lot of tree and plants are available which can nourish the atmosphere. 50 of total area is covered with trees and lawns. Tree plantation in the campus is the regular activity of the NSS.

## 7.2 – Best Practices

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

Best Practice 1 1. Title of the Practice: Implementation of training and placement policy for improving the performance of the students in placement drives. 2. Objectives of the Practice: The goals of implementing the training and placement policy are: • To design a framework of imparting training to the students, aimed at improving the communication skills, domain knowledge and soft skills. • To design it in modular form, which is to be implemented starting from first year itself. • To expose students to recent technological trends. • To make them industry- ready and employable. 3. The Context Most of the students are from Nagpur and adjoining districts and from rural background, they were found lacking in communication skills and soft skills. All this contributed to lower selection rate in recruitment drives of various companies. Based on the feedback received from industry, following areas were identified where improvement was needed: a. Less awareness of current technological needs of the industry among the students. b. Students are weak in communication aptitude skills. c. Students also lack in basic technological inputs. d. Lack of awareness among students about importance of aptitude tests. 4. The Practice The policy consisted of the methodology and schedule of imparting various inputs to the students, in order to improve the performance of the students in recruitment drives. The inputs were subdivided in to systematically design training modules catering to communication skills, domain knowledge and soft skills. In order to make the students aware of the importance of various skills i.e. aptitude, communication, soft skills and technical skills, counseling and technical sessions were conducted. A representative schedule of inputs to be provided to students at various levels, duration and mode of implementation. 5. Evidence of Success Feedback from the industry shows the improvement in student quality as far as communication skills and soft skills. The companies noticed the improvement in performance in these two areas. The success rate in aptitude test / screening test was found improved in recruitment drive of various companies. 6. Problems Encountered and Resources Required One of the major problems faced was the availability of time. Giving these extra inputs as per the planned schedule within a short span of three months duration in a semester was a challenging task. The placement department and placement committee at department level worked hard for extra duration to achieve the goals. Some of the modules and practice sessions were conducted with the help of in-house resources. Another challenge was to evoke the response of the students particularly at first and second year level. Need of additional financial resources to impart these training was another hurdle. However looking at the importance of the program, the management of GNIT readily sanctioned the extra budget. Best Practice 2 1. Title of the Practice: Academic and Administrative Audit (AAA) 2. Objective of the Practice: i. To get the college assessed through the panel of peers ii. To enhance the quality of the college by seeking suggestions and recommendations from the panel iii. To know the status of the college at academic and administrative level. 3. The Context: The college gives prime importance to quality education by adopting quality measures. One of the ways to ensure quality is to evaluate the performance of the college through

self assessment and volunteer itself for assessment by the panel of peers. So the Academic and Administrative Audit of the college is carried out at the start end of every academic year to evaluate the performance of the college in academic and administrative practices.

4. The Practice: The Academic and Administrative Audit is carried out by the Panel of the peers at the start end of every academic year. The panel consists of (1) Chief Executive Officer, (2) Principal, (3) Three senior teachers from the departmental faculties, (4) Administrative Officer and (5) one senior member from the administrative staff. The principal encourages all the faculties supporting staff to make all the details in soft as well as hard copies which required for the audit. Before starting of Session, Principal checking all the parameters which are required in audit like teaching plan, notes(hard soft copy), ppt's, lab details,etc. The audit consist of weekly audit (syllabus coverage), half monthly (Student Attendance) and monthly audit report(total lectures). The audit is carried out as per the format prepared by the Panel. The panel visits the college/departments on the scheduled date as per the programme prepared well in advance. The panel interacts with the faculties and the administrative staff, as well as, visits the departments and support services. The panel verifies the documentary evidences available for validation. The panel also observes seriously whether the suggestions made by the previous panel have been rectified properly. The panel submits detailed report to the Principal in the Exit Meeting based on SWOC analysis.

5. Evidence of Success: Due to the Academic and Administrative Audit (AAA), the overall profile of the college has enriched with more number of research activities (increase in publications, presentations, organization of national seminar/conferences, etc.), introduction of program for career/skill development, introduction of new PG courses, of cultural, sports and extension activities. The profiles of the individual teachers have also been enriched due to their active participation in research, academic, extension and other activities. Due to the AAA practice, the teaching learning and administrative works have become disciplined.

6.Problems Encountered and Resources Required: The main problem for implementation of the AAA is availability of the peers on a particular date. The resources required are the experts from various faculties, and financial assistance.

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

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

### 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

The Institute vision is "To prepare professionally responsible and technically sound corporate citizens out of budding engineers". Guru Nanak Institute of Technology (GNIT) is very keen at facilitating personal commitment to the educational success of students and thus the Academic committee consisting of Principal, senior faculty members and Examination Coordinator prepares the academic calendar well in advance before the commencement of the session/semester. The faculty members before the commencement of semester prepares the lesson plan, and make it available to the students. So many efforts are being made for the past few years to change the Teaching - Learning Environment into activity based learning. Following are the methods adopted to transform the academic environment: 1. Changing the teaching methodology by encouraging the faculty to use power point presentation where ever required. 2.Extensive use of online - content and other Video lectures to support the Class room teaching. 3. Students are encouraged to present poster and oral paper presentations. Counseling system (Teacher Guardian Scheme): 1 Every

faculty member is allotted 15 to 20 students to whom one acts as a counselor. 2 The counselor identifies the academic and personal problems of his/her ward. 3 The wards are encouraged to participate both in curricular and extra-curricular activities. 4 Each department arranges guest lecturers periodically addressed by the eminent persons from Industry, Academic and Research Institutions. 5 Eminent and renowned experts are invited from academic /organization/industries for seminar, workshop, conferences etc. In addition to the classroom interactions, following are the other methods of learning experiences provided to the students: 1 Project work 2 Short term Industrial visit 3 Internships 4 Oral presentation 5 Seminars/ symposiums/ workshops 6 Paper presentations/ Group discussions 7 Providing access to e-journals and e-books 8 Use of ICT in delivering and learning process Emphasis is paid to obtain feedback from parents, students, faculty members and alumni through informal contact to obtain information about qualitative changes which are required. Feedback System: 1 Students give feedback about the faculty at the end of each session or semester. 2 Feedback is taken from the parents of the wards. 3 Feedback is also taken from alumni The students play major role in the events like Annual day, Sports day, Engineers Day etc., which are being organized by the college and inculcate the qualities of co-operation, coordination and team work. Personality development programs and seminars are being conducted from the first year to improve communication skills soft skills of the students. Social Responsibility Activities Go Green Activity through plantation, Blood Donation, Visiting old age homes, plantation and visiting nearby villages and helping them according to their requirements. Achievement: 1 Improved students understanding in domain knowledge 2 Improved results and pass percentage 3 Reduced backlogs and detention 4 Improved placements and opting for higher studies.

Provide the weblink of the institution

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

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

Considering the strengths, weaknesses opportunities and challenges the institution has the following plans for thrust towards its vision. 1. Setup incubation centre and strengthen Entrepreneur Development Cell to produce as many entrepreneurs as possible by mentoring students. 2. To collaborate with industries in specific areas of research/technology. 3. Increase the number of ranks in the University examinations. 4. Get 100 pass percentage. 5. Enhancement in Training Placement activities. 6. Innovative Research, Publications and Patents. 7. Upgrading laboratory facilities to promote research. 8. To establish a research center for PhD Programme in department of Civil Engineering and Mechanical Engineering, affiliated by R. T. M. Nagpur University, built around focus themes for which GNIT Nagpur shall be known globally for national and societal impact. 9. Holistic grooming of students through employability enhancement schemes consisting of aptitude, English, communication core competence. 10. To recruit senior faculties with PhD qualification to straighten academic environment.