Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**GURU NANAK INSTITUTE OF TECHNOLOGY**
Name of the head of the Institution	**Sudhir N. Shelke**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**07118-661450**
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**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Semi-urban**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Raju A Bondre**
Phone no/Alternate Phone no.	**07118661410**
Mobile no.	**9503911965**
Registered Email	**rajubondre15@gmail.com**
Alternate Email	**rao.geetanjali@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	**https://gnit.in/wp-content/uploads/2021/03/AQAR-18-19.pdf**

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://gnit.in/wp-content/uploads/2021/03/Accademic-Calender-19-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.21**	**2018**	**30-Nov-2018**	**29-Nov-2023**

6. Date of Establishment of IQAC	**08-Aug-2016**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
IT Technologies & career Opportunities	22-Jun-2020 1	34
Art of Living	15-Jun-2020 2	31
Academic Quality Audit Even semester	05-Jun-2020 2	35
Outcome based learning approach in Higher Education	13-Mar-2020 1	52
Skill Development for Non-teaching staff	31-Jan-2020 2	30
Academic Quality Audit Odd semester	24-Dec-2019 2	50
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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	2019 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 File](#)
10. Number of IQAC meetings held during the year :	**3**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

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

Successful Completion of Technical & Soft-skills Training Courses through Training and placement cell to focus on placements	
Encourage Staff members to Industry Institute interaction for applying consultancy, Research Work, industrial projects.	
Up-gradation and renovation of laboratories.	
Departmental IQA committees were initiated.	

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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.
Mandatory Internship for final year students.	The Internship program for final year students help to gain Industrial Exposure in their respective domain/ branch along with work experience, which will be very beneficial for their professional Endeavour.
Academically weak student Activity.	Academically weak students were find out from their performance in the Internal examination. The remedial classes were conducted for these students. With remedial classes, the better understanding of the subject knowledge and improved performance of these students were achieved.
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 celebrate Teacher's Day – (Rewards system)	Teacher's Day was celebrated on 05/09/2019 and rewards were given to

	Best Teacher, Best Department, Best HoD, Best class 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.
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.
To conduct regular IQAC meetings.	Four IQAC meetings were conducted as per schedule dates.
To collect feedback from students on quality parameters related to curriculum, teaching learning and evaluation process	The feedback of each departmental students after completion of odd even semester examinations are collected and examined. The finalized reports were sent to the Head of department for discussing and improve the results with the teachers.
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Local Management Committee	26-Jun-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	28-Jan-2020
17. Does the Institution have Management Information System ?	No

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: 1. The Institute develops action plan for effective implementation of the curriculum prescribed by Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur. 2. In the beginning of academic year, Principal announces the Academic Calendar in consultation with heads of various departments and schedules of academic, evaluation and extracurricular events is strictly implemented in every semester as well as time table is to display by respective departments. 3. Seminars, assignments, sessional Examinations, Pre University Test as planned in the academic calendar are monitored by HODs and other institute level committee members. 4. 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. 5. 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. 6. 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. 7. 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. 8. Slow learners are given by conducting remedial classes by guest lecture from eminent professor of reputed institute. 9. Internal Quality Assurance committee (IQAC) and Academic monitoring committee are functional at Institute level. 10. Institute encourages faculty members to participate in seminars, STTPs, FDPs, workshops and training programs etc. 11. Industrial visits are encouraged to provide practical knowledge and Industrial Collaboration with signing MoUs is facilitated to expand the learning process of the students. 12 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
NIL	NIL	04/06/2019	0	NIL	NIL

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	NIL	04/06/2019

Mtech	NIl	04/06/2019
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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
BE	NIL	04/06/2019
Mtech	NIL	04/06/2019

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

	Certificate	Diploma Course
Number of Students	Nil	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Web Development (CSE)	26/07/2019	29
Android Application Development (CSE)	16/09/2019	29
Enhancement of communication skills via Activity (FY)	16/09/2019	27
Approach of Vedic Mathematics (FY)	14/10/2019	28
Workshop on basics of C (FY)	03/02/2020	26
Advanced Technology used in Surveying (CE)	09/03/2020	124
Automobile and IC Engine Working (ME)	26/08/2019	40
Advance in welding Technology (ME)	10/02/2020	60
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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	Public Works, Sub-Divisional No. 4, Nagpur	21
BE	World Bank Project Division, PWD, Nagpur	19
BE	Bhilai Steel Plant	27
BE	Jsw Steel Coated Product Ltd.	14
BE	South East Central Railway	26
BE	Ashoka Builders &	8

	Developers, Hingna, Nagpur.		
BE	C. K. Enterprises, Nagpur	7	
BE	Maharashtra Metro Rail Corporation Limited	7	
BE	Public Works, Sub-Divisional No. 1, Sadar, Nagpur	9	
BE	Thakre Water Proofing & Civil Work, Nagpur	12	
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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

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 stakeholder's 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 all stakeholders 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 and Power Engineering	24	24	9
Mtech	Structural Engineering (Civil)	24	24	24
BE	Computer Science and Engineering	60	45	7
BE	Mechanical Engineering	120	55	9
BE	Civil Engineering	120	60	16
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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	698	69	73	9	Nill

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-	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used

Resources)					
82	82	2	22	1	1

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View File of E-resources and techniques used

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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
767	82	1:9

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
Nill	Nill	Nill	Nill	Nill

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. Sudhir N Shelke	Principal	Best Principal Award InSc 2019
2019	Dr. Sudhir N Shelke	Principal	Mayar Innovation Award 2019

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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	VIII sem	29/10/2020	12/11/2020
BE	419624210	VIII sem	29/10/2020	12/11/2020
BE	419661210	VII sem	25/11/2019	31/12/2019
BE	419619110	VII sem	25/11/2019	31/12/2019
BE	419637210	VII sem	25/11/2019	31/12/2019
BE	419624210	VII sem	25/11/2019	31/12/2019
BE	419661210	V sem	23/11/2019	31/12/2019
BE	419624210	V sem	23/11/2019	31/12/2019
BE	419637210	III sem	25/11/2019	31/12/2019
BE	419624210	III sem	25/11/2019	31/12/2019
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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
419619110	BE	Civil Engineering	113	113	100
419661210	BE	Mechanical Engineering	73	73	100
419624210	BE	Computer Science and Engineering	29	29	100
419626310	BE	Electrical Engineering	9	9	100
419637210	BE	Electronics and Telecommunication Engineering	9	9	100
419621210	Mtech	Structural Engineering	20	20	100
419659610	Mtech	Heat and Power	16	16	100

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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

Minor 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
One Day National Level Workshop on Intellectual Property Rights (IPR)	Computer Science and Engineering	26/02/2020

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Future Award for Team	Kiran Bante	Imperial Society of Innovative Engineers	25/01/2020	Engine Go Kart Design
Future Award for Team	Pawan Doifode	Imperial Society of Innovative Engineers	25/01/2020	Engine Go Kart Design
Future Award for Team	Shubham Gawali	Imperial Society of Innovative Engineers	25/01/2020	Engine Go Kart Design
Future Award for Team	Pranay Kubde	Imperial Society of Innovative Engineers	25/01/2020	Engine Go Kart Design
Future Award for Team	Sarang Naghate	Imperial Society of Innovative Engineers	25/01/2020	Engine Go Kart Design
Future Award for Team	Nilesh Janbandhu	Imperial Society of Innovative Engineers	25/01/2020	Engine Go Kart Design
Future Award for Team	Aniket Dhokne	Imperial Society of Innovative Engineers	25/01/2020	Engine Go Kart Design
Future Award for Team	Priyankesh Vibhakaran	Imperial Society of Innovative Engineers	25/01/2020	Engine Go Kart Design
Future Award for Team	Pritish Kohale	Imperial Society of Innovative Engineers	25/01/2020	Engine Go Kart Design
Future Award for Team	Avim Mate	Imperial Society of	25/01/2020	Engine Go Kart Design

	Innovative Engineers

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	30/05/2020

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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
NIL	Nill

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	Electrical Engineering	1	5.47
National	NIL	Nill	0

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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
NIL	Nill

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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	2020	0	NIL	Nill
NIL	NIL	NIL	2019	0	NIL	Nill

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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	2019	Nill	Nill	NIL

NIl	NIL	NIL	2020	Nill	Nill	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	Nill	116	10	Nill

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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
Raksha Bandhan	NSS GNIT /Kalmeshwar Police Station	2	35
BLOOD DONATION	GNIT NSS	10	150
Health Check Camp	GNIT NSS	12	201
Mask Distribution	GNIT NSS	5	100
Helping Hands	GNIT/Prerna Special School,Ghorad,Kalmeshwar,Nagpur	6	130
Tree Plantation	GNIT NSS/Regent High	6	79

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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
NIL	NIL	NIL	Nill

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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 activites	Number of students participated in such activites
NSS	NSS/ GNIT/Kalmeshwar Police station	Swach Bharat Abhiyan, Regent High School Kalmeshwar	10	205
GNIT	GNIT	International Womens Day	15	53

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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	0	0	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
Industrial Visit	Agrofab Machinaries	Agrofab Machinaries MIDC, Hingna Road Nagpur/ Mr. K. V. Anjikar	19/08/2019	19/08/2019	36
Live Project	Internship	Itnetworkz Nagpur/ Mr. Deepak Dhote	13/01/2020	13/01/2020	6
Industrial Visit	Agrofab Machinaries	Agrofab Machinaries MIDC, Hingna Road Nagpur/ Mr. K. V. Anjikar	20/08/2019	20/08/2019	35
Site Visit	Kaprecon Sleepers	Kaprecon Sleepers Works Pvt. Ltd. Butibori/ Mr. N. K.Rao	26/08/2019	26/08/2019	75
Live Project	Internship	Paarsh Touch Nagpur/ Mr. Dharmesh Dabhlia	31/01/2020	31/01/2020	3
Site Visit	Automatic Water Treatment Plant	Automatic Water Treatment Plant, Kanhan	31/08/2019	31/08/2019	72
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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
Astral Informatic	20/08/2019	Technical	45

(P) LTD, Nagpur		Training Program	
Maharashtra Center for entrepreneurship Development (MCED)	04/10/2019	Entrepreneurship Development	20
CAD CAM GURU Solutions Pvt. Ltd., Nagpur	11/03/2019	Technical Training Program	102
Global Reach Education	07/06/2019	IELTS Informative session	145

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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
5	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
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

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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 patially)	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	Nill	Nill	19253	6713821
Reference Books	1078	360499	Nill	Nill	1078	360499

e-Books	525	Nill	Nill	Nill	525	Nill
e-Journals	521	Nill	Nill	Nill	521	Nill
Digital Database	250	Nill	Nill	Nill	250	Nill
CD & Video	400	Nill	Nill	Nill	400	Nill
Library Automation	1	16500	Nill	Nill	1	16500

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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	Texas Instruments TMS320C54x DSP Architecture and Data Addressing	Slide Share	01/07/2019
Dr. Sudhir Shelke	Fundamental of Programmable Digital Signal Processors (DSPs)	Slide Share	11/07/2019
Dr. Sudhir Shelke	CPLD FPGA ARCHITECTURES and Application	Slide Share	13/08/2019
Dr. Sudhir Shelke	ARCHITECTURES of TMS 320 C5XX	Slide Share	19/08/2019
Dr. Sudhir Shelke	ARCHITECTURES of TMS 320 C5X	Slide Share	26/08/2019

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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

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	0

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 incurredon maintenance of physical facilites
10	926742	300	29877723

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. 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 and 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	0	Nill	0
b)International	0	Nill	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
Remedial Class	24/02/2020	60	GNIT Faculties

Yoga and Meditation Session	03/03/2020	126	Prof. Gitanjali Kale, GNIT Nagpur
Guest Lecture "Advance Concrete Material"	13/08/2019	109	Mr. S. M. Gajbhiye, GNIT, Nagpur
Workshop On "INDIA INTERNATIONAL SCIENCE FESTIVAL'S STUDENTS ENGINEERING MODEL COMPETITION".	08/08/2019	35	Dr.Sudhir Shelke, Principal GNIT Nagpur
Industry -Academia Innovative Practices. Expert Session On 'Java'	06/08/2019	25	Mr. Anup Pardhi, Technical Head, ItnetworkZ Infosystems Pvt. Ltd. , Nagpur
Information of Gate, IES and PSU	05/03/2020	110	Mr. Akash Jaiswal,ICE Nagpur
Unigraphics NX Concepts for Industrial CAD Test	06/03/2020	58	CAD/ CAM Guru Solutions PVT. LTD. Nagpur
Online Technical Session on CAD / CAM	07/02/2020	56	Mastercam Deccan IT Technologies
Innovative Technologies in Mechanical Civil Engineering	25/09/2019	61	Mechanical Department, GNIT, Nagpur
Introduction to GATE	20/09/2019	65	Mr. Ashish Thakur, Inspiring Creativity and Endeavor(ICE) Academy,Nagpur

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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 passedin the comp. exam	Number of studentsp placed
2019	Mock Campus Drive	Nill	194	Nill	3
2019	Seminar on .NET	35	Nill	Nill	Nill
2019	Workshop on CRT	185	185	Nill	2
2019	Seminar on Industrial	Nill	86	Nill	Nill

	Automation PLC & SCADA				
2019	Seminar on C++	Nill	28	Nill	Nill
2019	Workshop on JAVA	Nill	165	Nill	2
2019	Seminar on C Language	Nill	15	Nill	2
2019	Workshop on CRT	210	210	Nill	5
2020	Workshop on Networking	Nill	32	Nill	Nill
2020	Workshop on CRT	178	178	Nill	1

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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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Vowel Web LLP, IIHT Ltd, Ventura Securities Ltd, CMS IT Services Ltd,Red (MI), Par Speciality Polymers Pvt Ltd.	230	11	Hexaware BPS Nagpur, JSW Steel Plant Nagpur, Accenture Ltd, Wipro Limited, Infosis Ltd, Capgemini India Ltd	7	7

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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	1	BE	Mechanical Engineering	YCCE, Nagpur	M. Tech
2019	3	BE	Civil Engineering	GNIT, Nagpur	M. Tech

| 2019 | 1 | BE | Civil Engineering | NICMAR | M. Tech |
| 2019 | 1 | BE | Civil Engineering | G H Raisoni University, Amavati | M. Tech |

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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
GATE	2
Civil Services	1

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

Activity	Level	Number of Participants
Kabaddi	RTMNU (University Level)	13
Volleyball	RTMNU (University Level)	13
Powerlifiting	RTMNU (University Level)	3
Taekwando	RTMNU (University Level)	1
Badminton (Boys)	RTMNU (University Level)	3
Chess	RTMNU (University Level)	4
Cricket	Institutional Level	64
Volleyball	Institutional Level	24
Badminton (Boys)	Institutional Level	22
Badminton (Girls)	Institutional Level	20

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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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	Future Award for Team	National	1	Nill	IKR20-EN-01597	Kiran Bante, Pawan Doifode, Shubham Gawali, Pranay Kubde,

| | | | | | | | Sarang Naghate, Nilesh Janbandhu, Aniket Dhokne, Priyankesh Vibhakaran, Pritish Kohale, Avim Mate |

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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)

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 Extracurricular 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 Extracurricular 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 academics and Collaborate closely with Industries. It enables increased support from alumni and provides platforms and programs.

5.4.2 – No. of enrolled Alumni:

462

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 participative 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 nonteaching staff are included in the Institute level committees as a part of participative 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 activity. 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 participative 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 participative 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 Shut-down 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 e-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-governace area	Details
Administration	Biometric system for attendance of faculty and staff. Salary intimation through Email/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
2020	NIL	NIL	NIL	Nill
2019	NIL	NIL	NIL	Nill
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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)
2019	Training On MOODLE	MS Office/ Excel Training Program	15/06/2019	30/09/2019	82	17
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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
STTP on Latest Trend in Mechanical Engineering and Technology	6	26/05/2020	31/05/2020	6
STTP on Innovative Technologies in	4	02/03/2020	06/03/2020	5

Mechanical and Civil Engineering				
FDP on Artificial Inteligence	3	22/05/2020	26/05/2020	5
FDP on NAAC Awareness programe for faculty	3	18/05/2020	25/05/2020	8
FDP on Advanced Trends in Engineering	3	23/05/2020	23/05/2020	1
STTP on Internet of Things (IoT) and its Applications in Industry	3	08/06/2020	12/06/2020	5
FDP on NAAC Awareness Program for Faculty	5	18/05/2020	25/05/2020	8
FDP on Latex	2	18/05/2020	23/05/2020	6
FDP on RESEARCH, FUNDING IPR	6	07/05/2020	10/05/2020	4
FDP on Advancement in manufacturing and optimization techniques	1	22/06/2020	26/06/2020	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	Nill	Nill	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
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	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	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

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	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.	siblings 6. Toppers award 7. Achievers Awards 8. Institute scholarship for needy students

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	0

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6.4.3 – Total corpus fund generated

0

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	Nill	Yes	IQAC GNIT, Academic Coordinator all Department, GNIT
Administrative	No	Nill	Yes	IQAC GNIT, Academic Coordinator all Department, GNIT

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

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.

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

1. English communication training conducted. 2. Technical workshop conducted to enhance their technical skill. 3. Excel /Power point presentation skill training conducted.

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

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.

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
2019	Quality of Publications	15/06/2019	15/06/2019	30/03/2020	421
2019	Choice Based Credit System	15/06/2019	15/06/2019	30/04/2020	81
2020	Academic Audit (Internal)	15/06/2019	15/06/2019	30/04/2020	82
2020	Administra tive Audit	20/06/2019	20/06/2019	28/04/2020	85

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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
Interactive Lecture to the Girl Students. The theme was "My voice, our equal future"	11/10/2019	11/10/2019	260	51

Interactive session by MD GNI" EmPOWER girls"	29/05/2020	29/05/2020	120	62
Online lecture on "Importance of good menstrual Hygiene management"	28/05/2020	29/05/2020	150	Nill

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

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.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Ramp/Rails	Yes	Nill
Rest Rooms	Yes	105

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	05/06/2019	1	AWARENESS ON SAVE WATER AND TREE PLANTATION.	GROW GREEN AND SAVE BLUE	55

2019	1	1	02/10/2019	1	SWACH BHARAT ABHIYAAN	Swachatta Campaign	65
2019	1	1	11/10/2019	1	ENVIRON MENT SAFETY	No crackers in Diwali	30
2019	1	1	30/12/2019	1	SWACH PARISAR JAGRUTI NEW YEAR RESOLUTION	Implementation action of dry waste and wet waste bins in college hostel premises	45
2020	1	1	08/03/2020	1	BLOOD DONATION CAMP	Blood donation awareness camp by team. Camp conducted by Nss at GNIT	60
2020	1	1	08/03/2020	1	WOMEN EMPOREMENT	Essay Competition on Gender Equality at GNIT.	35
2020	1	1	27/04/2020	1	VASTRA DAAN	Donation of Clothes to Old Age Home Peoples	50
			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	15/06/2019	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	15/06/2019	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
Blood donation camp conducted GNIT Nagpur	18/03/2019	18/03/2019	45
Online Covid-19 awareness workshop	22/03/2020	22/03/2020	35
Online seminar on importance of ICT during COVID-19 pandemic	23/03/2020	23/03/2020	32
International Yoga Day celebration	21/06/2019	21/06/2019	55

Celebration of Gurupournima	16/07/2019	16/07/2019	42
Orientation of NSS Discussion about planning of activities	22/07/2019	22/07/2019	32
Rakshabandhan at Kalmeshwar, Nagpur	14/08/2019	14/08/2019	34
Each One Teach One Activity at Z. P. Primary School, Dahegaon.	13/09/2019	13/09/2019	24
Ganesh Chaturthi Celebration	02/09/2019	02/09/2019	50
Traffic Awareness Camp at Old Katol Naka Nagpur by NSS Volunteers. , GNIT Nagpur	14/09/2019	14/09/2019	46

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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 labours 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 percent 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 Practice1 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 provides 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.

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

Taking into account Covid-19 Pandemic situation and the strengths, weaknesses opportunities and challenge, the institution has the following plans for thrust towards its vision. 1. To recruit senior faculties with PhD qualification to straighten academic environment. 2. Increase the number of ranks in the University examinations. 3. 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. 4. Setup incubation centre and strengthen Entrepreneur Development Cell to produce as many entrepreneurs as possible by mentoring students. 5. To collaborate with industries in specific areas of research/technology. 6. Innovative Research, Publications and Patents. 7. Enhancement in Training Placement activities. 8. Upgrading laboratory facilities to promote research. 9. Holistic grooming of students through employability enhancement schemes consisting of aptitude, English, communication core competence. 10. Get 100 pass percentages. 11. Encourage the students to use the digital platform for learning and manage the academic loss.