



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

|   |  |
|---|--|
| Part A  |  |
| <b>Data of the Institution</b>                |  |
| <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.                  | 07118-661450   |
| Mobile no.                                    | 9765556956   |
| Registered Email                              | gni.principalgnit@gmail.com  |
| Alternate Email                               | sudhirshelke1976@gmail.com   |
| Address                                       | Guru Nanak Institute of Technology<br>(Formerly known as Guru Nanak Institute<br>of Engineering and Management) Khasara<br>No. 95, Mouza Dahegaon, Kalmeshwar road<br>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  | Raju A Bondre   |      |                       |                                       |             |       |       |      |                       |          |  |             |           |   |   |      |      |             |             |
| Phone no/Alternate Phone no.  | 07118661410   |      |                       |                                       |             |       |       |      |                       |          |  |             |           |   |   |      |      |             |             |
| Mobile no.  | 9503911965  |      |                       |                                       |             |       |       |      |                       |          |  |             |           |   |   |      |      |             |             |
| Registered Email  | rajubondre15@gmail.com  |      |                       |                                       |             |       |       |      |                       |          |  |             |           |   |   |      |      |             |             |
| Alternate Email   | rao.geetanjali@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:<br>Weblink :  | <a href="https://gnit.in/academic-calender/">https://gnit.in/academic-calender/</a> |      |                       |                                       |             |       |       |      |                       |          |  |             |           |   |   |      |      |             |             |
| <b>5. Accreditation 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 Accreditation</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 Accreditation | Validity |  | Period From | Period To | 1 | B | 2.21 | 2018 | 30-Nov-2018 | 29-Nov-2023 |
| Cycle   | Grade   | CGPA | Year of Accreditation | 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 |             |       |       |      |                       |          |  |             |           |   |   |      |      |             |             |

|   |                  |     |
|---|------------------|-----|
| Skill Development for Non-teaching staff            | 11-Jan-2019<br>2 | 24  |
| Outcome based learning approach in Higher education | 03-Sep-2018<br>2 | 40  |
| Art of Living                                       | 13-Jul-2018<br>1 | 174 |
| IT Technologies & career opportunities              | 22-Jun-2018<br>2 | 24  |
| <a href="#">View File</a>                           |                  |     |

**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 |
|--------------------------------|--|---|-----------------------------|--------|
| Institution                    | AICTE/ISTE Induction/Refresher Program (FDP) | Indian Society for Technical Education (ISTE) | 2018<br>6                   | 300000 |
| <a href="#">View File</a>      |  |   |                             |        |

**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 :**

4

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)**

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.

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

Departmental IQA committees were initiated.

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

[View File](#)

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

| Plan of Action  | Achivements/Outcomes  |
|---|---|
| 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.   |
| 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 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.   |
| 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  |
| 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. |
| <a href="#">View File</a>                     |   |

|  |     |
|--|-----|
| <b>14. Whether AQAR was placed before statutory body ?</b> | Yes |
|--|-----|

| Name of Statutory Body     | Meeting Date |
|----------------------------|--------------|
| Local Management Committee | 29-Jun-2019  |

|  |    |
|--|----|
| <b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b> | No |
|--|----|

|   |     |
|---|-----|
| <b>16. Whether institutional data submitted to AISHE:</b> | Yes |
|---|-----|

|                    |      |
|--------------------|------|
| Year of Submission | 2019 |
|--------------------|------|

|                    |             |
|--------------------|-------------|
| Date of Submission | 27-Mar-2019 |
|--------------------|-------------|

|  |    |
|--|----|
| <b>17. Does the Institution have Management Information System ?</b> | 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. Internal Quality Assurance committee (IQAC) and Academic monitoring committee are functional at Institute level. 8. Institute encourages faculty members to participate in seminars, STTPs, FDPs, workshops and training programs etc. 9. Slow learners are given by conducting remedial classes by guest lecture from eminent professor of reputed institute 10. 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 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

30/03/2019

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                      | 30/03/2019            |
| Mtech             | NIL                      | 30/03/2019            |
| No file uploaded. |                          |                       |

## 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                      | 30/03/2019  |
| Mtech                            | NIL                      | 30/03/2019  |

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

|                    | Certificate | Diploma Course |
|--------------------|-------------|----------------|
| Number of Students | 0           | 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 |
|---|----------------------|-----------------------------|
| Web Development (CSE)   | 20/06/2018           | 30                          |
| Enhancement of Communication skill based on project learning (FY) | 15/10/2018           | 61                          |
| Computer Learning Workshop (FY)                                   | 25/03/2019           | 67                          |
| Basics of HTML for Web Designing StartUp (FY)                     | 18/10/2019           | 24                          |
| Advanced Surveying (CE)   | 18/03/2019           | 124                         |
| Tool and Die Making (ME)  | 27/08/2018           | 46                          |
| Operation Programming of CNC Machine (ME)                         | 11/02/2019           | 52                          |
| <a href="#">View File</a>   |                      |                             |

## 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                      | Moil Ltd.                         | 1   |
| BE                      | Powergrid Co-operation India Ltd. | 2   |
| BE                      | Ordinance Factory, Nagpur         | 2   |
| BE                      | Western Coal Mines Ltd.           | 3   |
| BE                      | AUDI                              | 1   |

|    |  |    |
|----|--|----|
| BE | Itnetworkz, Nagpur   | 2  |
| BE | Diabetic Retinopathy<br>Using Image Processing<br>Paarsh Touch, Nagpur | 2  |
| BE | A.G. Construction<br>Sanchini Complex                                  | 10 |
| BE | Anand Associates   | 10 |
| BE | Ark's associates   | 10 |
| BE | Atharva Creators Pvt. Ltd  | 10 |
| BE | Dhanshree Construction   | 10 |
| BE | Green City Builders  | 10 |
| BE | Gudadhe Housing<br>Developers & Promoters                              | 10 |
| BE | Hitesh Construction  | 10 |
| BE | Nitin shende Civil<br>Contractor                                       | 10 |
| BE | M/S H. S. Tagore<br>engineers & Contractors                            | 10 |
| BE | Prasad K. Pimple<br>Construction                                       | 10 |
| BE | Swapnil Construction   | 10 |
| BE | Tirupati Reality builders<br>& Developers                              | 10 |
| BE | Western Coalfield Limited  | 5  |
| BE | JSW ISPAT  | 1  |
| BE | Pushpa Moulding Works  | 1  |
| BE | Kapilansh Dhatu Udyog (P)<br>Ltd.                                      | 1  |
| BE | Eicher Motors  | 2  |
| BE | National Thermal Power<br>Corporation Limited                          | 2  |
| BE | Ashok Leyland Ltd.   | 5  |
| BE | Mahindra & Mahindra Ltd.   | 2  |
| BE | Sequel Ford  | 1  |
| BE | Confidence Go Gas Ltd.   | 3  |
| BE | Augusta Motors Pvt. Ltd.<br>(Mahindra)                                 | 9  |
| BE | Mineral Exploration<br>Corporation Ltd. (MECL)                         | 1  |
| BE | GM Enterprises   | 1  |
| BE | Raymond Textiles Ltd.  | 5  |
| BE | Ambika Engineering &<br>Fabrication                                    | 1  |
| BE | Shree Vaibhavlaxmi   | 1  |



|                           | Automobile "TATA Motors"                     |    |
|---------------------------|--|----|
| BE                        | Bhilai Steel Plant                           | 13 |
| BE                        | South East Central Railway, Motibagh         | 16 |
| BE                        | Ajni Railway Workshop                        | 23 |
| BE                        | Indian Army Base Workshop                    | 1  |
| BE                        | Minex Metallurgical Co Ltd                   | 1  |
| BE                        | Jaika Motors                                 | 3  |
| BE                        | Seva Automotive Pvt. Ltd.                    | 2  |
| BE                        | Maharashtra State Road Transport Corporation | 9  |
| BE                        | Girnar Motors "Eicher"                       | 1  |
| BE                        | Truform Techno Products Ltd.                 | 3  |
| BE                        | Pix Transmission Pvt. Ltd                    | 3  |
| BE                        | Bharat Heavy Electrical Ltd., Bhopal         | 3  |
| BE                        | Kamdhenu Motors                              | 2  |
| BE                        | VNRC Pvt. Ltd.                               | 1  |
| <a href="#">View File</a> |  |    |

#### 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  |
|--|
| <p>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</p> |

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 ala 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 |
|-----------------------|----------------------------------|---------------------------|--------------------------------|-------------------|
| BE                    | Civil Engineering                | 120                       | 38                             | 29                |
| BE                    | Mechanical Engineering           | 120                       | 32                             | 29                |
| BE                    | Computer Science and Engineering | 60                        | 33                             | 14                |
| Mtech                 | Structural Engineering (Civil)   | 24                        | 24                             | 24                |
| Mtech                 | Heat and Power Engineering       | 24                        | 20                             | 20                |

[View File](#)

### 2.2 – Catering to Student Diversity

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

| Year | Number of students enrolled | Number of students enrolled | Number of fulltime teachers | Number of fulltime teachers | Number of teachers |
|------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------|
|------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------|

|      |                         |                         |   |   |                                 |
|------|-------------------------|-------------------------|---|---|---------------------------------|
|      | in the institution (UG) | in the institution (PG) | available in the institution teaching only UG courses | available in the institution teaching only PG courses | teaching both UG and PG courses |
| 2018 | 864                     | 73                      | 73  | 9   | 0                               |

## 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 |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 82                         | 82  | 2                                 | 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)

This is the motto of the Guidance counseling cell which 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. Mentoring through study circles 3. Directing them through the proctorial system Apart from this the ones who are financially weak are helped by the following activities 4. Guiding for financial assistance from bank 5. Getting scholarship for students through various organizations GNI trust. Regarding the career counseling the students are helped to get answers to the following questions 6. How to choose the right career? 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 co-ordination with the placement cell in order to solve the career guidance related problems 1. 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. 2. 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. 3. 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. 4. 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 |
| 937  | 82                          | 11.43                 |

## 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 |
|-----------------------------|-------------------------|------------------|--|--------------------------|
| 66                          | 54                      | 12               | 6  | 4                        |

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              | NIL   | Principal           | NIL  |
| 2018              | NIL   | Associate Professor | NIL  |
| 2018              | NIL   | Assistant Professor | NIL  |
| 2019              | NIL   | Principal           | NIL  |
| 2019              | NIL   | Associate Professor | NIL  |
| 2019              | NIL   | Assistant Professor | NIL  |
| No file uploaded. |   |                     |  |

**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                        | 419624210      | CSE-III        | 28/11/2018   | 31/12/2018  |
| BE                        | 419619110      | CE-III         | 28/11/2018   | 31/12/2018  |
| BE                        | 419661210      | ME-III         | 30/11/2018   | 31/12/2018  |
| BE                        | 419624210      | CSE-V          | 27/11/2018   | 31/12/2018  |
| BE                        | 419619110      | CE-V           | 27/11/2018   | 31/12/2018  |
| BE                        | 419661210      | ME-V           | 27/11/2018   | 31/12/2018  |
| BE                        | 419624210      | CSE-VII        | 28/11/2018   | 31/12/2018  |
| BE                        | 419619110      | CE-VII         | 28/11/2018   | 31/12/2018  |
| BE                        | 419661210      | ME-VII         | 28/11/2018   | 31/12/2018  |
| Mtech                     | 419621210      | M.Tech-III     | 10/12/2018   | 29/01/2019  |
| <a href="#">View File</a> |                |                |  |   |

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 weightage 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 extra-curricular 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 commencement 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 Cocurricular 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                             | 136   | 118   | 86.76           |
| 419661210      | BE             | Mechanical Engineering                        | 106   | 70  | 66.03           |
| 419624210      | BE             | Computer Science and Engineering              | 22  | 19  | 86.36           |
| 419626310      | BE             | Electrical Engineering                        | 25  | 21  | 84              |
| 419637210      | BE             | Electronics and Telecommunication Engineering | 12  | 10  | 83.33           |
| 419621210      | Mtech          | Structural Engineering                        | 16  | 16  | 100             |
| 419659610      | Mtech          | Heat and Power                                | 9   | 9   | 100             |

## 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/wp-content/uploads/2020/01/Student-Satisfaction-Survey.pdf>

## 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                               |
| No file uploaded.     |          |                            |                        |                                 |

### 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       |
|---------------------------|----------------------------------|------------|
| Introduction to IPR       | Computer Science and Engineering | 22/01/2019 |

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              |
|-------------------------|-----------------------|--|---------------|-----------------------|
| Go-Kart Innovation      | Priyankesh Vibhakaran | Imperial Society of Innovative Engineers | 09/02/2019    | Engine Go Kart Design |
| Go-Kart Innovation      | Kartik Bangalkar      | Imperial Society of Innovative Engineers | 09/02/2019    | Engine Go Kart Design |
| Go-Kart Innovation      | Pritish Kohale        | Imperial Society of Innovative Engineers | 09/02/2019    | Engine Go Kart Design |
| Go-Kart Innovation      | Nishant Pamarthi      | Imperial Society of Innovative Engineers | 09/02/2019    | Engine Go Kart Design |
| Go-Kart Innovation      | Amit Tiwari           | Imperial Society of Innovative Engineers | 09/02/2019    | Engine Go Kart Design |
| Go-Kart Innovation      | Kiran Bante           | Imperial Society of Innovative Engineers | 09/02/2019    | Engine Go Kart Design |
| Go-Kart                 | Ankush Pradhan        | Imperial                                 | 09/02/2019    | Engine Go Kart        |

|                           |  |                                 |  |        |
|---------------------------|--|---------------------------------|--|--------|
| Innovation                |  | Society of Innovative Engineers |  | Design |
| <a href="#">View File</a> |  |                                 |  |        |

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                | 30/03/2019           |
| No file uploaded. |      |              |                      |                    |                      |

### 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 |
|------------------------|-------------------------|
| No                     | 0                       |

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             | Computer Science and Engineering  | 2                     | 7.26                           |
| International             | Mechanical Engineering            | 1                     | 6.3                            |
| International             | Electronics and Telecommunication | 4                     | 5.74                           |
| International             | Electrical Engineering            | 2                     | 5.34                           |
| <a href="#">View File</a> |                                   |                       |                                |

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 |
|---|-----------------------|
| Electronics and Telecommunication Engineering | 1                     |
| Civil Engineering                             | 1                     |
| <a href="#">View File</a>                     |                       |

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              | 2018                | 0              | NIL   | 0   |
| NIL                | NIL            | NIL              | 2019                | 0              | NIL   | 0   |

No file uploaded.

### 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              | 2018                | 0       | 0   | NIL   |
| NIL                | NIL            | NIL              | 2019                | 0       | 0   | NIL   |

No file uploaded.

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

| Number of Faculty           | International | National | State | Local |
|-----------------------------|---------------|----------|-------|-------|
| Attended/Seminars/Workshops | 1             | 16       | 0     | 0     |

[View File](#)

## 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 |
|-------------------------|--|--|--|
| Vastra Daan             | GNIT/NSS                                     | 5  | 90   |
| Health Checkup Camp     | GNIT/NSS                                     | 12   | 300  |
| Blood Donation          | GNIT/NSS                                     | 10   | 225  |
| Tree Plantation         | GNIT/NSS/Regent High School, Kalmeshwar      | 6  | 150  |
| Helping Hands           | GNIT/Prerna special School Ghorad            | 6  | 125  |
| Raksha Bandhan          | NSS/GNIT/Kalmeshwar Police                   | 2  | 30   |

[View File](#)

### 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             | 0                            |

No file uploaded.

### 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 |
|--------------------|---|--------------------------|--|--|
| GNIT               | GNIT  | International Womens Day | 12   | 90   |



|                           |   |   |   |     |
|---------------------------|---|---|---|-----|
| NSS                       | NSS/GNIT/<br>Kalmeshwar<br>Police Station | Swachh Bharat<br>Abhiyan, Regent<br>High School<br>Kalmeshwar | 7 | 150 |
| <a href="#">View File</a> |   |   |   |     |

### 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 |
|--------------------|-------------|-----------------------------|----------|
| No                 | 0           | 0                           | 0        |
| No file uploaded.  |             |                             |          |

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 |
|-------------------|---------------------------------|---|---------------|-------------|-------------|
| Live Project      | Internship                      | Paarsh Touch Nagpur/ Mr. Dharmesh Dabhlia   | 23/01/2019    | 08/03/2019  | 2           |
| Live Project      | Internship                      | Itnetworkz, Nagpur, / Mr. Deepak Dhote  | 16/01/2019    | 01/03/2019  | 2           |
| Site Visit        | Automatic Water Treatment Plant | Automatic Water Treatment Plant, Kanhan   | 23/09/2018    | 23/09/2018  | 60          |
| Site Visit        | Kaprecon Sleepers               | Kaprecon Sleepers Works Pvt. Ltd. Butibori/ Mr. N. K. Rao                           | 14/08/2018    | 14/08/2018  | 82          |
| Industrial Visit  | Agrofab Machinaries             | Agrofab Machinaries MIDC, Hingna Road Nagpur /Mr. K. V. Anjekar, Production Manager | 10/08/2018    | 10/08/2018  | 45          |
| Industrial Visit  | Agrofab Machinaries             | Agrofab Machinaries MIDC, Hingna Road Nagpur /Mr. K. V.                             | 07/08/2018    | 07/08/2018  | 45          |

[View File](#)

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 |
|--|--------------------|------------------------------|---|
| CADCAMGURU Solutions Pvt Ltd, Nagpur                       | 15/03/2019         | Technical Training Program   | 90  |
| Global Reach Education                                     | 26/03/2019         | IELTS Informative Session    | 150   |
| Maharashtra center for entrepreneurship development (MCED) | 04/10/2019         | entrepreneurship development | 20  |

[View File](#)

## 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 |
|--|--|
| 15   | 9.8  |

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                |

[View File](#)

### 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 | 0           | 0 | 19253 | 6713821 |
| Reference Books      | 1078     | 360499  | 0           | 0 | 1078  | 360499  |
| e-Books              | 525      | 0       | 0           | 0 | 525   | 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   |

[View File](#)

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. S. N. Shelke    | CPLD FPGA ARCHITECTURES and Application                           | SlideShare                            | 15/06/2018                  |
| Dr. S. N. Shelke    | Texas Instruments TMS320C54x DSP Architecture and Data Addressing | SlideShare                            | 15/06/2018                  |
| Dr. S. N. Shelke    | Fundamental of Programmable Digital Signal Processors (DSPs)      | SlideShare                            | 15/06/2018                  |
| Dr. S. N. Shelke    | ARCHITECTURES of TMS 320 C5X                                      | SlideShare                            | 15/06/2018                  |
| Dr. S. N. Shelke    | ARCHITECTURES of TMS 320 C5XX                                     | SlideShare                            | 15/06/2018                  |

[View File](#)

#### 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  | <a href="#">NIL</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 |
|--|--|--|--|
| 10                                     | 593810   | 350                                    | 34333047   |

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 m<sup>2</sup> 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 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   | 0                  | 0                |
| b) International                     | 0   | 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 implementation | Number of students enrolled | Agencies involved  |
|---|------------------------|-----------------------------|--|
| Guest Lecture "Advance Concrete Material"   | 07/08/2018             | 60                          | Dr. G.D. Awchat<br>GNIT, Nagpur  |
| Industry -Academia Innovative Practices Introduction To 'Php'                             | 10/08/2018             | 35                          | Mr. Rakesh Tembhumne, Zero Mile EduTech and ZeMeT Academy , Nagpur         |
| Industry -Academia Innovative Practices Report Basics Of Android                          | 13/08/2018             | 33                          | Mr. Santosh Selokar, Managing Director, SSIT Pvt Ltd , Nagpur              |
| A Guest Lecturer On "FALCON 9"  | 22/01/2019             | 45                          | Mr. Aman Shukla, Executive, CAD/CAM GURU Solutions Pvt. Ltd.               |
| Guest Lecture On Product Life Cycle (Plc) Management                                      | 28/01/2019             | 50                          | Mr. Akshay Manmode, Executive, ASTRAL Informatics Ltd., Nagpur             |
| "Interactive Lecture To The Girls Student "   | 05/02/2019             | 90                          | Dr Vaidehi Marathe, Obstetrician Gynaecologist, Nagpur                     |
| "Improving Technical Paper Writing Skills (ITPWS-2019)"                                   | 25/05/2019             | 20                          | Dr. Sudhir Shelke  |
| Introduction To Gate  | 20/07/2018             | 42                          | Mr. Ashish Thakur, Inspiring Creativity and Endeavor(ICE) Academy, Nagpur  |
| Industry Academia Innovative Practices. Expert Session On 'Java'                          | 03/03/2018             | 35                          | Mr. Anup Pardhi, Technical Head, ItnetworkZ Infosystems Pvt. Ltd. , Nagpur |
| Workshop On India International Science Festival's Students Engineering Model Competition | 06/08/2018             | 35                          | Dr. Sudhir Shelke  |
| <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 | Number of benefited students by | Number of students who have passed in | Number of students placed |
|------|--------------------|----------------------------------|---------------------------------|---------------------------------------|---------------------------|
|      |                    |                                  |                                 |                                       |                           |

|      |  | competitive examination | career counseling activities | the comp. exam |   |
|------|--|-------------------------|------------------------------|----------------|---|
| 2018 | Workshop on CRT/Guest Lecture                    | 162                     | 162                          | 0              | 1 |
| 2018 | Workshop on CRT/Guest Lecture                    | 132                     | 132                          | 0              | 4 |
| 2018 | Seminar/Workshop on Networking                   | 28                      | 28                           | 0              | 5 |
| 2018 | Mock Campus Drive                                | 0                       | 145                          | 0              | 9 |
| 2018 | Workshop on CRT/Guest Lecture                    | 0                       | 76                           | 0              | 4 |
| 2018 | Workshop On Java                                 | 0                       | 55                           | 0              | 5 |
| 2019 | Seminar On C++                                   | 0                       | 71                           | 0              | 2 |
| 2019 | Seminar On C Language                            | 0                       | 92                           | 0              | 1 |
| 2019 | Seminar On NET                                   | 0                       | 72                           | 0              | 3 |
| 2019 | Seminar On Industrial Automation / PLC and SCADA | 0                       | 99                           | 0              | 1 |

[View File](#)

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 |
|---------------------------|--------------------------------|---|
| 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 |
| Vowel Web LLP, IIHT Ltd, Ventura Securities Ltd, CMS IT Services Ltd, Red | 322                             | 35                        |                               | 56                              | 15                        |

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| (MI), Par<br>Speciality<br>Polymers Pvt<br>Ltd. |  |  |  |  |  |
| <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 | Depratment graduated from | Name of institution joined                | Name of programme admitted to     |
|---------------------------|--|--------------------------|---------------------------|---|-----------------------------------|
| 2018                      | 1  | BE                       | CSE                       | Technical University Of Chemnitz, Germany | MS (Automotive Software Engineer) |
| 2018                      | 1  | BE                       | CSE                       | Royal Holloway University Of London       | MSc (Data Science and Analytics)  |
| 2019                      | 1  | BE                       | Civil                     | G H Raisonni University, Amravati         | M. Tech                           |
| 2019                      | 1  | BE                       | Civil                     | NICMAR, Pune                              | PGPACM                            |
| 2019                      | 3  | BE                       | Civil                     | GNIT, Nagpur                              | M. Tech                           |
| 2019                      | 1  | BE                       | Mech                      | YCCE, Nagpur                              | M. Tech                           |
| <a href="#">View File</a> |  |                          |                           |   |                                   |

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                                       |
| <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 |
|---------------------------------|------------------|------------------------|
| Cross Country                   | RTMNU University | 2                      |
| Football                        | RTMNU University | 15                     |
| Kabaddi                         | RTMNU University | 13                     |
| Power Lifting                   | RTMNU University | 1                      |
| Boxing                          | RTMNU University | 2                      |
| Taekwando                       | RTMNU University | 1                      |
| Dance Competition (Shikhar2k19) | Institutional    | 15                     |
| Fashion Show (Shikhar2k19)      | Institutional    | 20                     |
| Drama (Shikhar2k19)             | Institutional    | 9                      |
| Singing (Shikhar2k19)           | Institutional    | 8                      |

[View File](#)

### 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  |
|------|-------------------------|-------------------------|-----------------------------|-------------------------------|-------------------|--|
| 2019 | Spirit Level Award      | National                | 1                           | 0                             | IKR-EN-00203      | Priyankesh Vibhakaran , Kartik Bangalkar, Pritish Kohale, Nishant Pamarthi, Amit Tiwari, Kiran Bante, Ankush Pradhan, Vrushabh Chute, Abhishek Yadav |

[View File](#)

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 consists 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:

450

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 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 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  |
|------------------------|--|
| 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  |
| Teaching and Learning      | <p>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.</p>     |
| Examination and Evaluation | <p>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.</p> |
| Research and Development   | <p>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</p>   |

|   |  |
|---|--|
|   | <p>focus of interest. In view of same various seminars are conducted to create awareness and to promote IPR.</p>   |
| <p>Library, ICT and Physical Infrastructure / Instrumentation</p> | <p>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.</p>   |
| <p>Human Resource Management</p>                                  | <p>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.</p> |
| <p>Industry Interaction / Collaboration</p>                       | <p>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</p>  |

|                       |  |
|-----------------------|--|
|                       | value added courses, Certification courses, internships, incubation centres projects.  |
| 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. |

#### 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 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 |
|-------------------|------------------|---|--|-------------------|
| 2019              | Mr. N.P. Chitare | HORIZON 2019, Workshop on Research Funding                                | Workshop on Research Funding by ACET, Nagpur                       | 1000              |
| 2019              | Mr. R. A. Bondre | HORIZON 2019, Workshop on Research Funding                                | Workshop on Research Funding by ACET, Nagpur                       | 1000              |
| 2019              | Mr. A. A. Kosare | IOSRJEN   | IOSRJEN by JIT, Nagpur   | 3500              |
| 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 | Title of the administrative training programme | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|------|---|--|-----------|---------|---|---|
|------|---|--|-----------|---------|---|---|

|                           |                              |                                   |            |            |    |    |
|---------------------------|------------------------------|-----------------------------------|------------|------------|----|----|
|                           | organised for teaching staff | organised for non-teaching staff  |            |            |    |    |
| 2018                      | Training On MOODLE           | MS Office/ Excel Training Program | 15/06/2018 | 17/10/2018 | 79 | 10 |
| <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 |
|--|---------------------------------|------------|------------|----------|
| Faculty Development Programme -Horizon 2019 (Research Funding) | 2                               | 24/04/2019 | 24/04/2019 | 1        |
| <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 |
| 9         | 2         | 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 |
|--|-------------------------------|---------|
| No   | 0                             | No      |
| No file uploaded.  |                               |         |

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       |          |        | Yes      | IQAC GNIT, Academic Coordinator all Department, GNIT |
| Administrative |          |        | 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 |
|------|--|-------------------------|---------------|-------------|------------------------|
| 2018 | Academic Audit (Internal)              | 18/06/2018              | 18/06/2018    | 30/04/2019  | 82                     |
| 2018 | Choice Based Credit System (UG and PG) | 18/06/2018              | 18/06/2018    | 30/04/2019  | 230                    |
| 2019 | Quality of Publications                | 16/06/2018              | 18/06/2018    | 29/04/2019  | 350                    |
| 2019 | Administrative Audit                   | 27/04/2019              | 26/04/2019    | 27/04/2019  | 85                     |

[View File](#)

### 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 girls Student                       | 05/02/2019  | 05/02/2019 | 90                     | 0    |
| gender Equality Awareness Program on International Women's Day | 08/03/2019  | 08/03/2019 | 56                     | 72   |
| Haldi Kumkum   | 15/01/2019  | 15/01/2019 | 60                     | 0    |

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    | 0                       |
| Ramp/Rails          | Yes    | 0                       |
| Rest Rooms          | Yes    | 0                       |

#### 7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date       | Duration | Name of initiative     | Issues addressed   | Number of participating students and staff |
|------|--|--|------------|----------|------------------------|--|--|
| 2019 | 1  | 1  | 19/08/2019 | 1        | BLOOD DONATION CAMP    | Blood donation awareness camp by team. Camp conducted by Nss at GNIT | 46   |
| 2019 | 1  | 1  | 12/02/2019 | 1        | GENDER EQUALITY        | Essay Competition on Gender Equality at GNIT.                        | 32   |
| 2019 | 1  | 1  | 12/03/2019 | 1        | ENVIRONMENT SAFETY     | Tree Plantation at Matoshree Ashram Aadasa.                          | 35   |
| 2018 | 1  | 1  | 04/09/2018 | 1        | SWACHH PARISAR JAGRUTI | Implementation of dry waste and wet waste                            | 34   |

|      |   |   |            |   |                          |   |    |
|------|---|---|------------|---|--------------------------|---|----|
|      |   |   |            |   |                          | bins in college hostel premises             |    |
| 2018 | 1 | 1 | 20/09/2018 | 1 | SWACH BHARAT ABHIYAAN    | Swachatta Campaign                          | 45 |
| 2019 | 1 | 1 | 03/02/2019 | 1 | AWARENESS ON ENVIRONMENT | Awareness Camp on Eco Friendly Diwali       | 42 |
| 2019 | 1 | 1 | 07/04/2019 | 1 | VASTRA DAAN              | Donation of Clothes to Old Age Home Peoples | 34 |

[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  | 09/06/2018          | 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:<br>1.Students Matter Most<br>2.Commitment to the Job<br>3.Keep Learning 4.Formed the Healthy Relationships with students |
| Code Of Conduct | 09/06/2018          | 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 Yoga Day celebration                                       | 21/06/2018    | 21/06/2018  | 45                     |
| Orientation of NSS Discussion about planning of activities               | 02/07/2018    | 02/07/2018  | 32                     |
| Celebration of Gurupournima By Team NSS                                  | 27/07/2018    | 27/07/2018  | 42                     |
| Tree Plantation on Engineer'S Day , GNIT Nagpur                          | 14/09/2018    | 14/09/2018  | 46                     |
| Traffic Awareness Camp at Old Katol Naka Nagpur by NSS Volunteers.       | 08/02/2019    | 08/02/2019  | 30                     |
| Blood donation camp conducted GNIT Nagpur                                | 17/03/2018    | 17/03/2018  | 45                     |
| Installation of Rakhi Stall at GNIT, Nagpur                              | 25/08/2018    | 25/08/2018  | 25                     |
| Celebration of National Youth Day on behalf of Swami Vivekananda Jayanti | 12/01/2019    | 12/01/2019  | 37                     |
| Celebration of Republic Day and distribution of handmade greetings       | 26/01/2019    | 26/01/2019  | 40                     |

|                                       |            |            |    |
|---------------------------------------|------------|------------|----|
| on 26th January<br>2019               |            |            |    |
| Tribute to Pulwama<br>Attack Martyres | 18/02/2019 | 18/02/2019 | 49 |
| <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 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 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.

7. Contact Details: Name of the Principal: Dr. Sudhir N. Shelke  
 Name of the Institution: Guru Nanak Institute of Technology, Nagpur City:  
 Nagpur Pin Code: 441501 Work Phone: 07118661450 Fax: 02312658840 Website: www.gnit.in Email: gni.principalgnit@gmail.com / sudhirshelke1976@gmail.com  
 Mobile: 09765556956

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 Classroom 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 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.