



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution		NAGPUR INSTITUTE OF TECHNOLOGY, NAGPUR
♦ Name of the Head of the institution	Dr. Amol Y. Deshmukh	
♦ Designation	Principal	
♦ Does the institution function from its own campus?	Yes	
♦ Phone no./Alternate phone no.	09881711787	
♦ Mobile No:	9764974144	
♦ Registered e-mail	principal@nit.edu.in	
♦ Alternate e-mail	registrar@nit.edu.in	
♦ Address	Survey No. 13/2, Mahurzari, Near Fetari, Katol Road, Nagpur	
♦ City/Town	Nagpur	
♦ State/UT	Maharashtra	
♦ Pin Code	441501	
2.Institutional status		
♦ Affiliated / Constitution Colleges	Affiliated	
♦ Type of Institution	Co-education	
♦ Location	Rural	

♦ Financial Status	Self-financing				
♦ Name of the Affiliating University	Rashtrasant Tukdoji Maharaj Nagpur University				
♦ Name of the IQAC Coordinator	Dr. Shrikant D.Zade				
♦ Phone No.	8007733018				
♦ Alternate phone No.	9764974144				
♦ Mobile	8007733018				
♦ IQAC e-mail address	iqacell@nit.edu.in				
♦ Alternate e-mail address	registrar@nit.edu.in				
3.Website address (Web link of the AQAR (Previous Academic Year))	http://www.nit.edu.in/AQAR%202020-21%20website.pdf				
4.Whether Academic Calendar prepared during the year?	Yes				
♦ if yes, whether it is uploaded in the Institutional website Web link:	http://www.nit.edu.in/Academics/A C ODD 2021-22.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.31	2019	15/07/2019	14/07/2024
6.Date of Establishment of IQAC			11/06/2018		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Nagpur Institute of Technology	National Service Scheme	RTM Nagpur University	Year 2021 and 365 days	9200	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		
♦ Upload latest notification of formation of			View File		

IQAC		
9.No. of IQAC meetings held during the year	4	
♦ Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes	
♦ If No, please upload the minutes of the meeting(s) and Action Taken Report	View File	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
♦ If yes, mention the amount		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
Students were mentored to score in university examinations and results were improved.		
Various departments and cells were motivated to organize activity such as Workshops, Guest Lectures, STTP and FDP.		
Entrepreneurship awareness is carried out among the students.		
Teaching staff were motivated for publication of research activity.		
Students were guided for preparing quality projects, quality placements.		
12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year		

Plan of Action	Achievements/Outcomes				
ISO Certification	Institute has been ISO 9001:2015 cerified.				
MoU with Foreign Universities	Institute has been signed MoU with Bangabandhu Research Center Bangladesh and SIIMT, Ghana				
Incubation Sub Center	Institute has received a status of Incubation Sub Center of INCUBEIN- of RTMNU.				
Innovation Projects	Some innovative project such as e-bycle and APEC Panel has been develop in the institute.				
Effective teaching-learning process to achieve academic excellence.	Ms. Bhagyashree Wanjari was University Topper in summer 2021 and first year results were 100% with 64 students score more than 9 SGPA.				
Motivate all departments to organize Guest Lectures/Webinars, Workshops, STTP and FDP.	Guest Lectures/Webinars, FDP, STTP, Workshop organized by various departments.				
To conduct programs to make awareness about entrepreneurship	Activities including workshop, Guest lectures and Awareness program organized by Entrepreneurship Development Cell				
13.Whether the AQAR was placed before statutory body?	Yes				
♦ Name of the statutory body					
<table> <tr> <th>Name</th><th>Date of meeting(s)</th></tr> <tr> <td>College Development Committee</td><td>11/12/2021</td></tr> </table>		Name	Date of meeting(s)	College Development Committee	11/12/2021
Name	Date of meeting(s)				
College Development Committee	11/12/2021				
14.Whether institutional data submitted to AISHE					

Year	Date of Submission
2021-22	19/12/2022

15. Multidisciplinary / interdisciplinary

Institute runs Multidisciplinary / Interdisciplinary courses as outlined by RTMNU with the following Vision.

To achieve excellent standards of quality education by keeping pace with rapidly changing technologies and to create technical manpower of global standards with capabilities of accepting new challenges.

Our efforts are dedicated to impart quality and value based education to raise satisfaction level of all stakeholders.

Our Strength is directed to create competent professionals.

Our endeavor is to provide all possible support to promote research and development activities.

16. Academic bank of credits (ABC):

The initiatives are taken by the institution to fulfil the requirement of Academic Bank of Credits as each and every student of the institute downloaded Digilocker and registered on NAD. All the registration procedures on NAD portal are completed by the institute. The engineering and management programmes have incorporated MOOC courses as a part of curriculum in collaboration with SWAYAM for credit transfer.

We focus on the following parameters to achieve Vision

Creating a student-centric learning ecosystem

Innovative techniques of teaching learning

Implement best practices for choice-based learning

Develop skills along with academic merit

17. Skill development:

Institute provides skill based education for the students. An internship is the important part of curriculum which provides industry-

based skills to the students. The internship has credits that are going to be transferred to ABC. The curriculum includes Project based activities that enhance the skills of the students. At the start of every semester, 1-2 week skill based training programs are conducted in the respective departments. Core Value of the Institute:-To Enhance Professionalism with good human values.To Strengthen Institute-Industry Interaction.To develop Teamwork.To adopt progressively new technologies in the teaching & learning process.Pursue growth in harmony with the global community through innovative management.Provide a great work environment and treat each other with respect & dignity.Sharing of experience, knowledge and skills with each other.

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

This institutue is planning to deliver their courses in English and Local Language so that it will be easy for students to understand the concepts.

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

The institution has clearly stated learning outcomes in terms of POs (Program outcomes), PSOs (Program Specific Outcomes) and COs (Course Outcomes) for all the courses or programs which are offer ed by the institution. Out of which POs (Program Outcomes) are specified by NBA, PSOs (Program Specific Outcomes) are defined by the respective programme. COs(Course Outcomes) of each course are defined in the syllabus. The PSOs and COs are approved by BoS mem bers.The Workshops / Seminars are organized for the faculty membe rs to learn to frame the COs and attainment of COs mapped with PO s and PSOs.The PSOs & POs are displayed at appropriate places by the institute as per necessity.

All PSOs, POs &COs are also displayed on the institute website. POs are displayed at appropriate places like the institute website, the entrance of the departments, classroom corridors, laboratories, library etc. PSOs are displayed at the respective department locations like institute website, Head of the department's office, laboratories etc. COs and CO-PO-PSO mapping are displayed on the respective list of experiments in laboratories and also included in respective subject/course files. COs are discussed with students in the lectures conducted by the respective course faculty members.CO s are disseminated to the students through the question papers of Mid Semester Test(MST) , Assignments, Pre University Test (PUT) , Experiment List.POs and PSOs are communicated to students and

parents through various events like parent-teacher meet, induction programs, etc. The attainment of CO-PSO-PO is approved by the IQAC. PO & PSO attainment process: The following are the assessment tools for CO, PO & PSO attainment .1. Direct assessment tools- for CO attainment 2. Indirect assessment tools.

It includes evaluation and attainment through Class assessment examination, teacher assessment examination and end semester examination, internal/external practical examinations, viva voce, presentations. Indirect Assessment Tools: The indirect assessment tools are as follows: 1. Graduate Exit Survey 2. Alumni Survey 3. Employer Survey.

20. Distance education/online education:

Online Education: Guest Lectures by IIT/NIT/Industry Persons are conducted for students in online mode. Some experiments are performed through Virtual Lab.

Extended Profile

1. Programme

1.1	5
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2. Student

2.1	1333
Number of students during the year	

File Description	Documents
Data Template	View File

2.2	132
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File
2.3	377
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	96
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.2	66
Number of Sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	22
Total number of Classrooms and Seminar halls	
4.2	367.42
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	322
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented

process

The Institute ensures effective curriculum delivery through a planned and documented process. Nagpur Institute of Technology is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur. Institute follows curriculum, Academic Calendar provided by RTMNU. Curriculum is delivered by systematic implementation plan.

- ♦ Action plan for implementation of curriculum is prepared by Dean (Academics).
- ♦ Dean (Academics) proposes Institute Academic Calendar in-line with University Academic Calendar.
- ♦ Teaching workload is prepared by HoD
- ♦ HoD issues subject choice form to faculty members to know their subject choices.
- ♦ Based on choices, the subjects are allotted to the faculty members.
- ♦ Accordingly, Time Table is prepared and notified to all faculty members.
- ♦ Faculty member prepares Teaching plan and HoD approves it.
- ♦ Progress of students is evaluated through Continuous Internal Evaluation which comprises of Attendance, Class Test, Mid Semester Test, Surprise Test, Assignments and Pre-University sessional examination.
- ♦ CIE for Practical comprises of Attendance, Practical execution performance, Viva-voce, Practical journal submission.
- ♦ Class engagement and syllabus completion is monitored
- ♦ we arrange various activities like: guest lectures, workshops, seminars
- ♦ Students are encouraged to execute the practical through Virtual Laboratories.
- ♦ Review meetings are conducted to monitor the academic progress.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	http://www.nit.edu.in/NAAC_EVIDENCES.php

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The Institute ensures effective curriculum delivery through a well

planned and documented process. Nagpur Institute of Technology, Nagpur is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur. Institute follows curriculum (Syllabus/Course and Examination Scheme) and Academic Calendar provided by RTMNU, Nagpur.

- ♦ Dean (Academics) proposes Institute Academic Calendar in-line with University Academic Calendar.
- ♦ Progress of students is evaluated through Continuous Internal Evaluation (CIE).
- ♦ CIE for Theory comprises of Attendance, Class Test (CT), Mid Semester Test (MST), Surprise Test (ST), Assignments (Group) and Pre-University (PUT) sessional examination.
- ♦ CIE for Practical comprises of Attendance, Practical execution performance, Viva-voce, Practical journal submission.
- ♦ Students are encouraged to refer or utilize resources like book CDs, old question papers, final year project reports available in library, apart from huge amount of ONLINE e-books, tutorials, video Lectures, E-certificate Course also, they are encouraged to refer online NPTEL videos.
- ♦ Review meetings of HoDs, Dean (Academics) and the Principal to monitor the academic progress and to observe effective execution of the academic plan is conducted.
- ♦ HoD's Conduct Monthly Meeting with Class Representatives to know more about subject related issues.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	http://www.nit.edu.in/NAAC_EVIDENCES.php

1.1.3 - Teachers of the Institution participate in A. All of the above following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.

Academic council/BoS of Affiliating University
 Setting of question papers for UG/PG programs
 Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
 Assessment /evaluation process of the affiliating University

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

05

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

13

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

1333

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

1333

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

RTMNU offers one course that integrates issues related to either gender, or environment, human values , professional ethics courses related with gender issues aimed at promoting gender equality and focus on women empowerment.

Issues related with environment are integrated into RTMNU's curricula. In UG programmes 'Environmental Studies' has been added. Focus is on topics environment protection Act, disaster management, enforcement of environmental legislation, development of the mechanism to control of air , water , noise pollution and solid waste management. NIT is making the campus green by continuous plantations, using solar energy and so on.

All programmes demonstrate academic flexibility as they are based on Choice Based Credit System. Course 'Universal Human Values' is offered.

List of some courses...

Sr.No

Course Number

Course Name

Branch

Semester

1.

BE3S4T

Ethics in IT

CSE

III

1.

BE3S7T

Environmental Engineering

CSE

III

1.

BECSE310T

Functional English

CSE

VI

1.

BEIT306T

Environmental Engineering

IT

III

1.

BEIT605T

Functional English

IT

VI

1.

BEME406T

Environmental Studies

MECHANICAL

IV

1.

BEELE406T

ENVIRONMENTAL STUDIES

ELECTRICAL

III

1.

BECVE506P

Communicative English & Technical Writing

CIVIL

VI

1.

BEME606T

Functional English

MECHANICAL

VI

1.

BECSE306T

Universal Human Values

CSE

III

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

15

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

634

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students
Teachers
Employers
Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://www.nit.edu.in/NAAC_EVIDENCES.php

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

300

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

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

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

169

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Induction Program- One week Induction Program named as "PRARAMBH" is arranged every year for the first year admitted students along with their parents before commencement of their regular classes. In this Program, the information regarding facilities, faculty expertise, rules & regulations, discipline code of the college, teaching-learning methodology institutional practices, facilities, do's and don'ts etc are given to give awareness about the college. The students and parents are encouraged to express their problems and bring out other information during induction program.

Advanced learners: -

- ♦ Advanced learners are constantly encouraged to participate in various technical events to enhance their knowledge which provides additional inputs for better career planning and growth.
- ♦ Students are motivated to register for NPTEL, Udemy, Coursera, Alison online courses to satisfy their higher needs for knowledge.
- ♦ Special sessions and campus recruitment training are organized

for them which help to prepare for competitive examinations like GATE examination.

- ♦ They are encouraged to organize and participate in Student forum Association, extra-curricular and co-curricular activities to develop managerial, problem solving abilities and leadership qualities.
- ♦ Felicitation of Class Toppers in college.
- ♦ Support for participation at Local, Regional and National level Research competitions, design competitions, project competitions, and sports events.
- ♦ Guidance on Entrepreneurship for students with entrepreneurial mindset

Slow Learners:

- ♦ Remedial Classes of difficult subjects are conducted for lateral entry students and for slow learners of different subjects to improve their results.
- ♦ Performance of these students in End Semester Examination is monitored to analyze their performance.

File Description	Documents
Link for additional Information	Nil
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1333	92

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

- ♦ Independent learning is encouraged through NPTEL videos and

seminars and other digital sources.

- ♦ During the academics, Mini-Projects and final year projects are given to the students and they are guided by both faculty and Industry/Research personnel. Seminars helps in self-learning and improving their presentation skills.
- ♦ For increasing the practical knowledge Internship programs alliance with various industries as well as various training programs are arranged for the students.
- ♦ Guest lectures by eminent persons from Industries, government organizations, alumni are arranged. One or two day workshops and seminars are also arranged frequently.
- ♦ Industrial Tours and Visits are arranged through which students can observe and learn as to how theoretical concepts are put into action, thereby aiding their practical learning and Practical knowledge. The institute has ISTE student chapter for their participation and conduction of various workshops, seminars and technical activities.
- ♦ The institution has MoUs with industries and other institutes. This helps in improving the employability skills of the students.
- ♦ Group Discussions for students are conducted to improve the confidence level, oratory skills and knowledge of the student. Students have access to e-journals and e-books.
- ♦ Internships are provided to them.

The participative learning activities implemented by the faculty include:

- ♦ Co-curricular & extra-curricular activities.
- ♦ NSS and NCC activities

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

At NIT classrooms and labs are ICT enabled with projectors installed and the campus is enabled with high speed wifi connection. The faculty uses various ICT enabled tools to enhance the quality of teaching-learning .Various platforms like Zoom meeting, Google meet,

Microsoft teams are used for conducting online lectures for students. Google classroom is also used to manage and post course related information- learning material, lab submissions and assignments, etc. Course syllabus is completed through Presentations which are animated and have audio, video, small clips. For smooth handwriting and mathematical equations Wacom Tabs are also used.

Practicals are conducted with virtual labs through simulations which improves the effectiveness of the teaching- learning process. The faculty members effectively utilize Audio Visual aids to demonstrate the concepts to the students using resources from National Program on Technology Enhanced Learning (NPTEL) to enhance the learning experience. Web and video courses (offline) of IIT, from NPTEL are accessible to faculties as well as for students. The research journals are available online and facility for accessing these journals is provided in the campus. Along with this other resource packages like Spoken tutorial and National Digital Library are also available for various video lectures.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

52

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

92

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

11

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

463

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The institution organizes orientation program in which students and faculty members are acquainted with the rules and regulations of the affiliating university, examinations, internal exams, assignments, tutorial classes, technical activities, detailed information about evaluation process, extra-curricular activities etc. Students are clearly made aware of the eligibility conditions required to appear in the RTMNU Examination. The evaluation process is made known to the stakeholders and students during the orientation programme as they join the College. The schedule of all internal exams like MST are communicated in advance through college Academic calendar.

- Transparent and robust internal assessment
- ♦ The internal evaluation processes is discussed in Principals meeting with HoDs, academic coordinator and mutually consented strategy is fixed well in advance and its policies are circulated amongst the staff.
- ♦ Schemes of evaluation are informed to the students at the beginning of the session.
- ♦ The previous university examination question papers, question banks and model papers are made available to the students by the respective subject faculty and in the libraries so that they are aware of the paper pattern and marking scheme of university Papers
- ♦ Setting of question papers are done by respective subject faculties and are submitted to OIC Exam cell in sealed covers confidentially to ensure transparency in the system.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

Institute resolves all internal examination and university related grievances in a transparent and time-bound fashion. Redressal of grievances is permitted by University for semester examinations and not for term work/oral/practical, project, and seminar examination. The mechanisms for Redressal of grievances with reference to evaluation is as follows-

- Institute level -
 - ♦ Students are made aware of the assessment methods at the beginning of the semester.
 - ♦ The assessed answer sheets are circulated to students in class-room by the respective subject faculty along with the discussion of correct answers.
 - ♦ Faculty discusses about Lacunae in performance with students to enable them to improve their learning and overcome the shortcomings.
 - ♦ In case of any discrepancy, they are advised to bring the matter to the notice of concerned subject faculty and get it solved. The matter can always be discussed with mentor teacher, class-in-charge or HoD if remains unsolved at the subject faculty level. Hence, the process becomes very efficient. However, student can always approach to the Principal for his/her grievance and all authorities take an immediate action whenever required.
 - ♦ As per R.T.M. Nagpur University directives, all internal marks are to be submitted on-line within a stipulated time frame. Thus, the process of sorting out grievance becomes time-bound.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The importance of the learning outcomes, Program Education Objectives, Program Outcomes and Course Outcomes for all programs offered by the Institute are clearly stated, displayed on the website and communicated to the students and teachers.

- ♦ The PEOs have been categorized in to three sections such as Academic Values, Social Sensibilities and Moral and Spiritual Values. Integrating different stakeholders of the systems, the competencies and the performance Indicators for each of the Program Education Objectives are also defined and which in

turn lead to design of comprehensive course level competencies and performance indicators. Programme Assessment Plan detailing the different Assessment types are also designed.

- ♦ Program outcomes are derived from the Program Education Objectives and are fine tuned to the specifics of each program.
- ♦ The importance of the learning outcomes has been discussed and communicated to the teachers in staff meeting and IQAC meeting.
- ♦ All students are apprised of the objectives and expected outcomes of their programme on admission during the compulsory Orientation programs.
- ♦ Students are also educated and provided with the detailed syllabus and course outcomes in each course and the assessment strategy for each course.
- ♦ Demonstration of thorough conceptual understanding in the core areas of all the subjects with the support of mathematics.
- ♦ Necessity of use of software tools and coding to perform mathematical operations, statistical analysis and simulations in solving complex problems.
- ♦ Use of basic laboratory equipment correctly and effectively in order to conduct measurements, and analyze and interpret the results, including a quantitative understanding of uncertainties.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Map CO's with the questions given in Internal exams (MST-1, MST-2 and PUT), activities, assignment and questions of RTMNU exam of particular subject.

[6 CO's are mapped with the six units given in the syllabus, CO1 with unit-1, CO2 with unit-2, CO3 with unit-3, CO4 with unit-4, CO5 with unit-5, CO6 with unit-6, respectively]

Absolute marks are calculated by taking 40 % of marks assigned to each question of particular internal exam.

Find CO attainment for each question. CO attainment is calculated as follows

If percentage of students scored above absolute marks are between 40 to 50 assign 1, 50 to 60 assign 2, Above 60 assign 3.

(levels are graded as follows:- 1=low , 2= medium , 3= high).

Similarly calculate CO attainment of activity and assignment as stated above.

Internal CO attainment is calculated by taking the average of each CO achieved in every internal exams, activity and assignment. For e.g. Internal attainment for CO1 is the average of CO1 in MST1, MST2, PUT, activities & assignments.

Similarly calculate the Internal attainment for CO2, CO3, CO4, CO5 and CO6.

Actual CO attainment is calculated by the formulae- $(0.2 * \text{Internal CO attainment} + 0.8 * \text{University CO attainment})$ as weightage of marks for - Internal exams = 20 and RTMNU exams = 80

Consolidated CO attainment is calculated by taking the average of all CO's (CO1, CO2, CO3, CO4, CO5, and CO6).

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

378

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<http://www.nit.edu.in/Naac/IQAC/StudentSatisfactionSurvey.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

2

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

88

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

76

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

14

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The extension activities are planned and executed to provide practical exposure to the students regarding various social issues. The college organizes numerous activities under NSS, Student Rotaract Club and department forums to assimilate social responsibilities. NSS: Since the inception of Institute in the year 2008, NSS team has organized number of awareness programs related to the environment and social issues which includes: Blood donation camps. Tree plantation programmes. Swachh Bharat Abhiyan on the occasion of birth anniversary of Mahatma Gandhi. Traffic Control programmes for rural community. "Shiv Jayanti" celebration Water conservation at village Umatha. Awareness programme "Say no to nylon Manja" on the occasion of Sankrant at Samvidhan Chowk. Door to door campaign in Mahurzari village to make people aware about the importance of cleanliness in their surrounding, cleaning Mahurzari Lake and Open Defecation Free (ODF) village/slum. Every department has forum under which number of activities have been organized. Many of the activities are jointly organized with NSS and Rotaract Club: "Nirmalya Ganesh Festival"- wherein the environment concerns are looked after. Active Participation in Gorewada Forest Festival Seminar on Human Rights, Indian Judiciary System and Constitution of India Honor and Commemoration of WAR heroes Celebration of Unity Day Constitution Day Celebration Celebration of Yoga day

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

1

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	View File

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

10

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

808

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

81

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	No File Uploaded

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

7

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The Institution has adequate facilities for teaching learning processes. The Institute has sufficient space and area as per norms of statutory bodies. As per AICTE norms, Land area required is 2.5 acres. The College is having an area of 40468.6 sq.m. (10 acres). The total built-up area is 10424.403 sq.mt. The state of-the-art infrastructure facilitates a good teaching-learning environment. The infrastructure includes 17 classrooms, 05 tutorial rooms 35 laboratories, common workshop, central library, seminar hall, open stage, canteen facility and playground, sick room, T & P Cell, girls common room, boys common room. As per guidelines of Rashtrasant Tukadoji Maharaj Nagpur University, each laboratory is equipped with sufficient number of required experimental setups. The activities which require large gathering like placement talks, expert talks, awareness programs, interactions are arranged at state of art seminar hall equipped with audio visual systems. Every department has computer laboratory which is utilized for workshops, aptitude tests, project development and competitions. 20 ICT Class rooms and 1 ICT enabled seminar hall is available in the Institute. The campus is WiFi enabled with 358 computers in LAN connection. Every department has adequate equipments and computing facilities which are utilized by students and faculty members.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

The Institute is having dedicated and experienced faculty for executing sports activities with the

designation of "Director - Physical Education". He looks after all in-house and outside sports activities pertaining to International, National and State level events. The college has playground with sports facilities like basketball, volleyball, football, Cricket, tug of war, athletics etc. Apart from outdoor games Institute has made a provision of indoor games such as table tennis, carom, chess, badminton, etc. Every year Institute promotes students to participate in various sports events conducted by University and

other organizations. The Institute conducts Annual Sports meet under the banner of "UDAAN". Every year Institute conducts mega cultural activities in the name of "Pratibimb", wherein various cultural activities like dance, singing competition, student personality show, quiz, debate competitions, Antakshari, etc. are organized. The cultural activities are conducted at Seminar hall and open space. The activities of Yoga are arranged regularly for students and faculty members. Students have won prizes and medals at National level Yoga competitions. The Institute celebrates cultural festivals like Dahihandi, Ganesh festival, Vishwakarma Puja, Diwali Milan, Holi, etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

23

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

23

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

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

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

120.46

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

Library has total area of 411.115 sq.m. with reading room having seating capacity of 150 students. Library remains open on all working days between 9.30 am to 5.00 pm. Library provides open access facility to students and faculty. Library users can move freely in stack and can select the required books of their choice for issuing and reading in the reading room. The library staff assists students for tracing the required books from the stack. Most of the news papers and magazines are also available for students and faculty. Library is having Web OPAC facility where students can know the information about available resources. It is registered as a member of National Digital Library. It also has reprography facility. Book bank facility

is extended to backward category students.

Library is using automated Synchronic Sack Info software since inception of Institute.

Name of the ILMS software: Sack Info 2.5

Sack Info 2.5 is a local area network (LAN) based software

Nature of Automation:

The Sack Info 2.5 is having facility of Acquisition, Catalogue, Circulation, OPAC and Serial Control modules.

Version:

Sack Info 2.5 version.

Year of Automation:

Session 2008-2009.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	Nil

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

0.15429

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

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

1150

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Institute has state of the art IT infrastructure facility in campus. Institute has 3 Servers which are used to host cyber activities of the Institute. Institute is having 358 Computers connected in LAN which are used by students and staff. Classrooms and seminar halls are equipped with LCD Projectors (14) and WiFi/LAN connectivity. Separate Audio Visual Hall with internet connectivity is available for webinars and live video lectures. Institute has 50 MBPS bandwidth lease line with ratio 1:1. It is planned to upgrade the bandwidth of WiFi. Institute regularly updates and upgrades IT infrastructure time-to-time as per requirement. Every year, budgetary provision is made for up-gradation. Institute has partially upgraded LAN speed from 100MBPS to 1GBPS by deploying new GBPS Ethernet switches. Reliance Jio infratech Wi-Fi is also installed for staff and students.

The following are the strategies for deploying and updating IT infrastructure and associated facilities:

Procurement of upgraded Computers and accessories.

- Procurement of Advanced Software as per the requirements.
- ICT- Classroom facility is available for adopting modern teaching learning process.
- All the systems are LAN connected.
- 12 CCTV's are installed to monitor all the events and happening in the Institute.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Number of Computers

322

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

57.78

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

The Institute has internal committee for maintenance and repair of infrastructure, and external agency equipment and other support facilities. Institute management appoints staff for cleaning of campus, laboratories, library, sports complex, computers, classrooms

and other Physical infrastructure. Each department has lab-in-charge who informs verbally or in writing to the concern in-charge for maintenance of electrical, civil and computer work.

The computer and peripheral maintenance work is done by internal computer maintenance staff. AMC contract is given to external agency for the maintenance of all UPS within the Institute. System administration team is available for maintenance of Internet connectivity, CCTV security system and network connectivity. Electrical maintenance: Each department is having one member to coordinate electrical maintenance work and give there requirement to the in-charge. The Institute is having 11KV substation, which is also maintained by maintenance department. In case of any repair requirement, service is also hired from outside agencies.

The Civil renovation work and maintenance work of entire Institute is supervised by Building work Cell. Library utilization and maintenance: Librarian calls quotation from different vendor to purchase books/magazines/journals and submit to purchase committee for necessary action after principal approval. Utilization maintenance Sports Complex, Classrooms etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1252

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to institutional website	Nil
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1215

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1215

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

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

5.2 - Student Progression**5.2.1 - Number of placement of outgoing students during the year****5.2.1.1 - Number of outgoing students placed during the year**

150

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year**5.2.2.1 - Number of outgoing student progression to higher education**

13

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year**

12

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year****5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.**

3

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Nagpur Institute of Technology, Nagpur, Every Year organizes ''PRATIBIMB'' (Annual Social Gathering) and UDDAN (Annual sports meet), ''SANKALP'' (Ganesh Festival), ''ANVESHAN'' (National level project competition). All these programs are organized by Students Representative Councils (SRC) committee members.

Objective of Students Representative Councils (SRC):-

- ♦ To provide a platform for students to support, share and excel in potential qualities.
- ♦ To promote the views of students and to encourage students to become actively involved.
- ♦ To provide actively participation and leadership opportunities.

The Institute Students Representative Councils constitutes are:-

- ♦ One student from each year per department
- ♦ One outstanding student each from NCC,NSS, Sport & Cultural
- ♦ Two girls students

The department wise student's councils are:

- ♦ FAME (Federation of Active Mechanical Engineers)
- ♦ CESA (Civil Engineering Students Association)
- ♦ Feeder-(Federation of Electrical Engineering Departmental Enthusiastic Role Model)

- ♦ StACS (Computer Science Engineering)
- ♦ ITSA- (Information Technology Students Association)
- ♦ ELECTROX (ETC Students Association)

Students represent various administrative committees:

- ♦ Library Committee, Hostel Committee, Canteen Committee, College Magazine Committee, Sports Secretary, Gathering Secretary, Rotract Club, National Service Scheme, Student special Interest groups

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

12

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Alumni cell of the Nagpur Institute of Technology is devoted to its work to establish a good relation with the passed out students. The cell is able to help out the alumni for their alumna matters. The alumni cell of the Nagpur Institute of Technology, Nagpur is working

with the following aims and objectives.

- ♦ To bring together the ex-students of Nagpur Institute of Technology, Servey No. 13/2, Mahurzari, Near Fetry, Katol Road, Nagpur and to promote fellowship amongst them and their families.
- ♦ To disseminate knowledge and know-how for the mutual benefit of the Members as also for the benefit of the College.
- ♦ To undertake Intellectual, Academic and Cultural Activities Sports and Games Entertainment Programmes
- ♦ Improvements to existing infrastructure of the College and social service etc. for the benefit of the Members as also of the College and for the society at large.
- ♦ To provide a forum to establish a link between the alumni, staff and students of the Institute.
- ♦ To enable the alumni to participate in activities that would contribute to the general development of the Institute and the Society.
- ♦ To help the alumni with their technical and relocation problems.
- ♦ To try to find employment opportunities to students and fellow Alumni members in need.
- ♦ To institute prizes and scholarships, and render financial aid to needy and deserving students of the Institute.
- ♦ To support academic activities like conferences, workshops, technical symposiums (including travel and registration support to students and the staff).
- ♦ To contribute towards the welfare of the alumni.
- ♦

File Description	Documents
Paste link for additional information	https://alumni.nit.edu.in/
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year E. <1Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision:

Service to Society by creating Technical and Skilled manpower through Value based Technical Education

Mission:

- ♦ To provide quality technical education to meet the requirements of industries and society.
- ♦ To equip students with need based technical skills through continual improvements in Teaching Learning processes and research activities.
- ♦ To inculcate ethical values for overall holistic development of students.

Nature of governance: The Governance of the Institution comprises the Involvement of College Development Committee, Department HoDs and Internal Quality Assurance Cell {IQAC} in shaping the Institution for Vertical Growth amongst its Stakeholders. The Institution believes in effective governance by decentralizing responsibilities of the Institution into a well planned Cellular structure for overall participation, management and execution of the reforms and powers through strategic policies. The Principal, being the highest authority of the Institute, is assisted by Deans, HoDs and Cell Co-ordinators. The Dean and Cell Co-ordinators are involved in decision making process of the yearly plan and also responsible to execute activities related under their domain areas.

In conversant to Vision and Mission, the Institute has a Structured Perspective/Strategic Plan in order to prioritize the implementation of the need based goals from time to time.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Major decisions pertaining to the function and objectives of the institution are taken by the governing council. The principal is the head of the institution and monitors the academic and administrative affairs with the assistance of the Registrar, IQAC Coordinator and HoDs. Further, the institution follows the decentralized governance system. HoDs are authorized to make decisions at the department level with full academic autonomy under the overall guidelines of the principal. HoDs have the operational autonomy to plan, budget, and execute various activities of their departments with the involvement of faculty members. All the department related activities are undertaken by the faculty members in the department who have been assigned as in-charges. Faculty members heading various committees are given freedom to execute the work assigned. Aside from the various committees, the college will be organized into cells and clubs. Frequently, various programmes were organized by each and every cell and monitored by the head of the department.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

A 360 degree perspective plan is developed by a IQAC which considers important factors i.e. structure, mechanisms and stake holders within the system and their capacity to act, their creativity, the collaboration between them, their confidence, and the coherence of the action with other initiatives. The objective is to ensure the quality and imbibe the culture of excellence and focus on the time-bound goals set for academic, administrative, research and development activities. The entire process is based on participative approach wherein the faculty members, and other stakeholders are involved in the development of plans and its efficient execution. The summery is as follows

Sr. No

Strategic Plan

1

Enhance engagement with Society

2

Diverse Student learning environment

3

Enhance engagement with Industry

4

Improve internal support systems

5

Enhance alumni engagement

6

Develop a cleaner and greener campus

7

Enhance Research Culture

8

Academic Autonomy and Industry Oriented Curriculum

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	View File

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

The governing body is responsible for the operation of all aspects of the institution. Various co The Various Committees are,

1. Internal Quality Assurance Cell (IQAC)
2. Research & Development Committee
3. Admission Committee
4. Examination Committee
5. Library Committee
6. Staff Performance Appraisal Review Committee
7. Student Welfare Committee
8. Sports & Cultural /NSS/Extra Curricular Activities Committee
9. Anti-Ragging Committee
10. Internal Complaint Committee (ICC)
11. Grievance Redressal Committee
12. Publicity/Advertisement/ Institute Website updates committee
13. Discipline Committee
14. Institute Maintenance Committee
15. Hostel Committee
16. Training & Placement Cell
17. Entrepreneurship Cell
18. Alumni Association
19. Institution -Industry Interaction Cell(IIIC)
20. Women Empowerment Committee
21. Academic Review Committee (ARC).

The major decisions regarding developmental plans are discussed in the Governing council meetings. Principal is the academic and administrative head to decide on academic and nonacademic activities. The Head of the Departments are responsible for academic and administrative functioning of the departments. The teaching Faculty takes care of the curricular, co-curricular and extra-curricular activities. The Librarian plans for the procuring of books and maintains all functions of the Library. The System Administrator upkeeps, configures and maintains operation of college servers, updates college websites, and arranges on-line feedback. The Service rules and appointments are as per the guidelines of regulatory authorities.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	Nil
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The teaching and non -teaching staff plays a vital role in the growth of the institute and therefore, the Institute is recognizing their productiveness and acknowledges their needs and requirements regularly. As a result, the institution is implementing various effective welfare schemes. These welfare measures enrich the physical and mental health of the employees and thus promote a dynamic and encouraging work atmosphere. This stimulates the employee productivity and commitment towards the institute. The following list shows the various welfare structures:

1. Financial Benefits

- ♦ Post appraisal incentives provided for best performing staffs.
- ♦ Marriage gift for staff members.
- ♦ Providing financial support to attend FDP, workshop, training programs and National & International Conferences.

- ♦ Two sets of free Uniform are provided for Non-Teaching Staff.
- ♦ Maternity leave for the woman Teaching & Non-teaching Staff members as per norms.
- ♦ Special leave for religious festivals.
- ♦ Celebrations of the festivals in the campus.

2. Non Financial Benefits

- ♦ Subsidized canteen facility for breakfast - Teaching and Non teaching members
- ♦ Free wifi inside the campus. Providing On duty for attending FDP, workshop, training programs and National & International Conferences.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

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

0

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

54

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

72

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Quality teaching is indispensable for improving student outcomes and achievements. Institute has well designed Performance Appraisal system. It is implemented with the help of Performance Based Appraisal System (PBAS) which evaluates overall performance.

Performance is self assessed and duly filled in PBAS by Faculty and

Staff at the end of every semester. PBAS of faculty is filled by Head of Department, and PBAS from various Cell coordinator is collected. PBAS are then evaluated by respective HODs/Cell Coordinators and Principal. PBAS system inspires Faculty members to boost professional knowledge and academic growth. It is mandatory for every Faculty member and Staff to submit the performance appraisal for every semester. The performance appraisal system for teaching staff is evaluated on following parameters:

1. Teaching, learning and evaluation related performance
Lectures, Seminars, Tutorials, Practical's, Contact Hours
Reading / Instructional material consulted and additional knowledge resources provided to students. Use of Participatory and Innovative Teaching-Learning Methodologies, Updating of Subject Content, Course Improvement etc. Examination related work and duties
2. Co-curricular, extension and professional development related activities (Extension/co-curricular, Professional Development related Activities and Contribution to Management of Institution).

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Before the start of the academic year, Institute earmarks financial activities for the departments and centralized cells. During the year, Accounts Officer carries out scrutiny of finances of conducted activities and checks the financial provisions. At the end of the year it is audited by an external Chartered Accountant. Budget for every event/activity is prepared by activity incharge and it is approved by Principal well in advance. Institute budget includes Recurring and non recurring expenses, budget includes details of Capital goods, furniture and fixtures, salary, operation and maintenance and other finance heads. The financial reimbursement procedure is easy and simple. At the end of the financial year balance sheet is prepared and is approved by management. The Books of accounts are as per the statutory requirements. The auditor

ensures that all payments are duly authorized. Internal financial audit used to carry out every month by S. M. Nimodia & Co., FR No. 126416W, M No. 119955. External financial audit executes once in a year by Ratan Chandak & Co., FR No. 108696W, M.No. 42711.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

2

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Institute maintains and follows a well-defined process for the mobilization of funds and resources through various committees. Institute has designed well framed policy for the fund usage and resource utilization. Tuition fee of students is the major source of income for the institute. Sponsorship funds are also sought from various government and non-government agencies for events like seminar/workshops etc. Utilization of Funds. A finance committee has been constituted to monitor the optimum utilization of funds for various recurring and nonrecurring expenses. The purchase committee seeks quotations from vendors for the purchase of equipment, computers, books, etc. and scrutinized the same before a final decision is made based on different parameters. The Principal and committee members ensure that the expenditure lies within the allotted budget. Resource Mobilization Policy and Procedure At the commencement of financial year, institutional budget is prepared

which includes recurring expenses such as salary, electricity and internet charges, stationary along with planned expenses such as lab equipment purchases, furniture etc. The budget is scrutinized and approved by the College Development Committee (CDC). Statutory auditors are also appointed for certification of the financial statements every year.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

The IQAC plays an important role in the implementation of quality assurance strategies and processes at all levels. IQAC focusses mainly on following points - Quality aspects related to academic and administrative practices Collaboration with other organizations, industries and funding agencies Training to teaching and non-teaching staff Dissemination of quality policies to all stakeholders. Collection and analysis of feedback of all the stakeholders. Preparation of Self-Study Reports of various accreditation bodies such as NAAC, NIRF, NBA and CII etc. Introduction of new programmes/courses Preparation and submission of Annual Quality Assurance Report (AQAR)

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Institute IQAC plays an important role in reviewing the teaching learning process and focuses on effective implementation of OutcomeBased Education (OBE) for all the programs. The institute has

defined Programme Outcomes (POs) based on 12 Graduate Attributes (GAs) as suggested by NAAC. With the revision in curriculum by affiliating university (SPPU) Course Outcomes (COs) are defined for each course. Appropriate teaching methodologies and assessment tools are planned and implemented for effective student centric learning. IQAC has well defined policy and process to define set attainment levels for COs and POs. All curricular and extra-curricular activities are considered for CO and PO attainment. At the end of academic year IQAC conducts the academic audit, reviews as well as records the attainment levels and suggests various activities for incremental improvement. MoUs have been signed with different industries for skill enhancement. More emphasis was given on ICT based teaching, faculties also created MOOCs and YouTube videos for demonstration of theory and practical for various courses.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Nagpur institute of Technology, Nagpur Institution shows gender sensitivity in providing facilities such as

a) Safety and Security b) Counseling c) Common Room

NIT has a strong ethical work culture that is based on inclusivity. It observes highest ethical standards in all its activities. Equal opportunities are provided to all individuals irrespective of gender, race, caste, color, creed, language, religion, political or other opinion, national or social, origin, property, birth or other status.

(a) Safety and Security

- Awareness campaigns on women safety and gender sensitivity through street plays (Nukkad Natak), rallies and camps by NSS and NCC student volunteers.
- Well-trained and vigilant women security guards stationed across the campus
- Security checkpoints at all campus entries and exits.
- Rotational duty by all faculty members for discipline and security.
- Hostels for women with dedicated wardens.

(b) Counseling

- Formal and informal avenues for counseling male and female students and staff for academic and other issues/problems.
- Grievance Redressal Committees for staff and students
- Gender sensitization programme conducted in college campus that include the following aspects:

(c) Common Rooms:

- In most of the Departments, common rooms have been allocated for

men and women, which also facilitate meetings and discussions.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	No File Uploaded
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Waste Management

- 1. Solid Waste Management:** - The solid waste in the campus generated from various potential sources, such as Academic Buildings, Hostels, Canteen, Garden, etc. is managed by cleaning staff assigned to different locations in the campus. There are 23 workers for the waste management in the campus. Dustbins are placed at different locations in the campus. Some dustbins are placed in the class rooms and laboratories. Dustbins are also placed in front of cafeteria and in the corridors.
- 2. Liquid Waste Management:** - The waste water from the various departments is collected by a network of underground and open drains and disposed into a nallah adjacent to premises. Waste water from water closets is collected into septic tanks provided separately for various buildings.

- 3. E-Waste Management:** - Some of the e -waste generated is used for technical education purpose by making use of hardware in laboratories for display and study. Some of the components are being used for demonstration purposes. electronic goods are put to optimum use. The electronic components such as old invalid projects of final year students as well as damaged or old electronic circuits, models are reused for making the new electronic devices/projects by the students.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	Nil
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

- 1.Restricted entry of automobiles
- 2.Use of Bicycles/ Battery powered vehicles
- 3.Pedestrian Friendly pathways
- 4.Ban on use of Plastic
- 5.landscaping with trees and plants

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	No File Uploaded

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

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following
1.Green audit 2. Energy audit
3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

E. None of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institution has been taking several efforts and initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. By celebrating many National and International Days, Events and Festivals the institution aims at bringing tolerance and harmony among the students and staff and other stakeholders.

Session

Activity Name

Date

No. of Students Participated

2021-22

1. Madatichi Hak

10/5/2021

72

1.Yoga Day

21/6/2021

112

3.Lakshmi Narayan day

30/9/2021

212

4.Gandhi Jayanti

2/10/2021

52

5.electoral literacy club activities

11/10/2021

49

6.Savidhan Diwas

26/11/2021

71

7.Yuvak Diwas

12/1/2022

55

8.Swachata Diwas

13/1/2022

65

9. Tree Plantation

17/1/2022

69

10. Natinal Voter day

25/1/2022

51

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	View File

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

By celebrating many National and International Days, Events and Festivals the institution aims at inculcating values, rights, duties and responsibilities of citizens including yoga day, Rashtriya Ekta Diwas, Say No To Nylon Manza, 71th Constitution Day, Yuvak Diwas, Republic day, Pulse Polio Vaccination Campaign and many more etc..

Session

Activity Name

Date

No. of Students Participated

2021-22

1. Madatichi Hak

10/5/2021

72

1.Yoga Day

21/6/2021

112

3.Lakshmi Narayan day

30/9/2021

212

4.Gandhi Jayanti

2/10/2021

52

5.electoral literacy club activities

11/10/2021

49

6.Savidhan Diwas

26/11/2021

71

7.Yuvak Diwas

12/1/2022

55

8.Swachata Diwas

13/1/2022

65

9. Tree Plantation

17/1/2022

69

10.Natinal Voter day

25/1/2022

51

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

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff **A. All of the above**

4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

All national festivals are celebrated with great enthusiasm to inculcate a sense of patriotism in the students. Every year students come together and perform cultural programs highlighting societal problems. Many events and guest lectures are regularly organized to instill a sense of national pride and gratitude towards sacrifices of great leaders of our country. The student, staff and alumni participate and rejoice during this celebration with great patriotic fervor. The Institution also commemorates the birth / death anniversaries of great Indian personalities like Swami Vivekananda, Dr. A.P.J. Abdul Kalam (National Innovation day), Chatrapati Shivaji maharaj, Rajmata Jijabai, Netaji Subhash Chandra Bose, Shahid Bhagatsingh, Bharatratna Dr. Bhimrao Ambedkaris celebrated every year. The invited guests share the teachings of these eminent personalities through their speeches. Institute also organizes various events such as Teachers day, Engineers Day, International Yoga Day, NSS Day, National Science Day, International Women's Day, Marathi language day etc. The celebration of these days includes organizing various talks and seminars.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

BEST PRACTICE I

Campus Recruitment Training (CRT):

CRT program is exclusively designed for the students in order to make them ready for placements. It is focused on ensuring that the students are well equipped to get through the recruitment process of various IT and Core companies by gathering the inputs from the job-seekers and placement-providers. This program is implemented through an external renowned agencies which have expertise and credentials

in grooming the students. These agencies hail across the state and nation.

The program has different modules for aptitude test, group discussions, reasoning and personal interviews.

1. Title

Empowering students with Campus Recruitment Training.

2. Goal

- a) To enhance employability skills.
- b) To assist students in cracking the aptitude tests.
- c) To provide grooming environment through personalized coaching and group activities.
- d) To enhance overall personality.

Best Practice 2

Title Teacher-Guardian Scheme

Goal: To enhance academic performance of students through personal counseling and to resolve issues, if any.

Please go through the additional documents for details

File Description	Documents
Best practices in the Institutional web site	No File Uploaded
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Industry Institute Interaction Cell

NIT, Nagpur has always emphasized on strong industry institute relationship. For this the college is having dedicated Industry Institute Interaction (III) Cell with objective of strengthening

relationship between college and industry to improve student employability. A strong industry linkage helps to achieve summer internships, visits, experts talk and opportunities for students to work on live projects. Through III Cell, faculty members are engaged with various industries for knowledge sharing which helps in improving research & consultancy.

Objectives of the III Cell

1. To bridge the gap between Industry and Institute.
2. To enrich the teaching learning process through industrial visit, guest lectures, etc.
3. To encourage the students for doing the industrial training/ Internship case studies and live projects.
4. To promote research, development activities and skill development workshop.

Activities under III Cell:

- Industry visit for students. (14 visit)
- Industry Expert Guest Lectures (20)
- Course lectures by Industry experts (11)
- Industrial Case Study.
- Vacation Industrial Training / Internship. (412)
- Industry based skill development training programme.
- Industry based live projects.
- MOU with industries for various activities. (35+)
- Industrial Research & Consultancy services
- Industry sponsored labs (1) JOHN DEER Automobile Lab

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The Institute ensures effective curriculum delivery through a planned and documented process. Nagpur Institute of Technology is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur. Institute follows curriculum, Academic Calendar provided by RTMNU. Curriculum is delivered by systematic implementation plan.

- ♦ Action plan for implementation of curriculum is prepared by Dean (Academics).
- ♦ Dean (Academics) proposes Institute Academic Calendar in-line with University Academic Calendar.
- ♦ Teaching workload is prepared by HoD
- ♦ HoD issues subject choice form to faculty members to know their subject choices.
- ♦ Based on choices, the subjects are allotted to the faculty members.
- ♦ Accordingly, Time Table is prepared and notified to all faculty members.
- ♦ Faculty member prepares Teaching plan and HoD approves it.
- ♦ Progress of students is evaluated through Continuous Internal Evaluation which comprises of Attendance, Class Test, Mid Semester Test, Surprise Test, Assignments and Pre-University sessional examination.
- ♦ CIE for Practical comprises of Attendance, Practical execution performance, Viva-voce, Practical journal submission.
- ♦ Class engagement and syllabus completion is monitored
- ♦ we arrange various activities like: guest lectures, workshops, seminars
- ♦ Students are encouraged to execute the practical through Virtual Laboratories.
- ♦ Review meetings are conducted to monitor the academic progress.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	http://www.nit.edu.in/NAAC_EVIDENCES.php

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The Institute ensures effective curriculum delivery through a well planned and documented process. Nagpur Institute of Technology, Nagpur is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur. Institute follows curriculum (Syllabus/Course and Examination Scheme) and Academic Calendar provided by RTMNU, Nagpur.

- ♦ Dean (Academics) proposes Institute Academic Calendar in-line with University Academic Calendar.
- ♦ Progress of students is evaluated through Continuous Internal Evaluation (CIE).
- ♦ CIE for Theory comprises of Attendance, Class Test (CT), Mid Semester Test (MST), Surprise Test (ST), Assignments (Group) and Pre-University (PUT) sessional examination.
- ♦ CIE for Practical comprises of Attendance, Practical execution performance, Viva-voce, Practical journal submission.
- ♦ Students are encouraged to refer or utilize resources like book CDs, old question papers, final year project reports available in library, apart from huge amount of ONLINE e-books, tutorials, video Lectures , E-certificate Course also, they are encouraged to refer online NPTEL videos.
- ♦ Review meetings of HoDs, Dean (Academics) and the Principal to monitor the academic progress and to observe effective execution of the academic plan is conducted.
- ♦ HoD's Conduct Monthly Meeting with Class Representatives to know more about subject related issues.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	http://www.nit.edu.in/NAAC_EVIDENCES.php

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	A. All of the above
File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File
1.2 - Academic Flexibility	
1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented	
1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented	
05	
File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File
1.2.2 - Number of Add on /Certificate programs offered during the year	
1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)	
13	

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

1333

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

1333

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

RTMNU offers one course that integrates issues related to either gender, or environment, human values , professional ethics courses related with gender issues aimed at promoting gender equality and focus on women empowerment.

Issues related with environment are integrated into RTMNU's curricula. In UG programmes 'Environmental Studies' has been added. Focus is on topics environment protection Act, disaster management, enforcement of environmental legislation, development of the mechanism to control of air , water , noise pollution and solid waste management. NIT is making the campus green by continuous plantations, using solar energy and so on.

All programmes demonstrate academic flexibility as they are based on Choice Based Credit System. Course 'Universal Human Values' is offered.

List of some courses...

Sr.No

Course Number

Course Name

Branch

Semester

1.

BE3S4T

Ethics in IT

CSE

III

1.

BE3S7T

Environmental Engineering

CSE

III

1.

BECSE310T

Functional English

CSE

VI

1.

BEIT306T

Environmental Engineering

IT

III

1.

BEIT605T

Functional English

IT

VI

1.

BEME406T

Environmental Studies

MECHANICAL

IV

1.

BEELE406T

ENVIRONMENTAL STUDIES

ELECTRICAL

III

1.

BECVE506P

Communicative English & Technical Writing

CIVIL

VI

1.

BEME606T

Functional English

MECHANICAL

VI

1.

BECSE306T

Universal Human Values

CSE

III

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

15

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

634

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	A. All of the above
--	----------------------------

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://www.nit.edu.in/NAAC_EVIDENCES.php

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

300

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

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

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

169

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Induction Program- One week Induction Program named as "PRARAMBH" is arranged every year for the first year admitted students along with their parents before commencement of their regular classes. In this Program, the information regarding facilities, faculty expertise, rules & regulations, discipline code of the college, teaching-learning methodology institutional practices, facilities, do's and don'ts etc are given to give awareness about the college. The students and parents are encouraged to express their problems and bring out other information during induction program.

Advanced learners: -

- ♦ Advanced learners are constantly encouraged to participate in various technical events to enhance their knowledge which provides additional inputs for better career planning and growth.
- ♦ Students are motivated to register for NPTEL, Udemy, Coursera, Alison online courses to satisfy their higher needs for knowledge.
- ♦ Special sessions and campus recruitment training are organized for them which help to prepare for competitive examinations like GATE examination.
- ♦ They are encouraged to organize and participate in Student forum Association, extra-curricular and co-curricular activities to develop managerial, problem solving abilities and leadership qualities.
- ♦ Felicitation of Class Toppers in college.
- ♦ Support for participation at Local, Regional and National level Research competitions, design competitions, project competitions, and sports events.

- ♦ Guidance on Entrepreneurship for students with entrepreneurial mindset

Slow Learners:

- ♦ Remedial Classes of difficult subjects are conducted for lateral entry students and for slow learners of different subjects to improve their results.
- ♦ Performance of these students in End Semester Examination is monitored to analyze their performance.

File Description	Documents
Link for additional Information	Nil
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1333	92

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

- ♦ Independent learning is encouraged through NPTEL videos and seminars and other digital sources.
- ♦ During the academics, Mini-Projects and final year projects are given to the students and they are guided by both faculty and Industry/Research personnel. Seminars helps in self-learning and improving their presentation skills.
- ♦ For increasing the practical knowledge Internship programs alliance with various industries as well as various training programs are arranged for the students.
- ♦ Guest lectures by eminent persons from Industries, government organizations, alumni are arranged. One or two day workshops and seminars are also arranged frequently.
- ♦ Industrial Tours and Visits are arranged through which

students can observe and learn as to how theoretical concepts are put into action, thereby aiding their practical learning and Practical knowledge. The institute has ISTE student chapter for their participation and conduction of various workshops, seminars and technical activities.

- ♦ The institution has MoUs with industries and other institutes. This helps in improving the employability skills of the students.
- ♦ Group Discussions for students are conducted to improve the confidence level, oratory skills and knowledge of the student. Students have access to e-journals and e-books.
- ♦ Internships are provided to them.

The participative learning activities implemented by the faculty include:

- ♦ Co-curricular & extra-curricular activities.
- ♦ NSS and NCC activities

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

At NIT classrooms and labs are ICT enabled with projectors installed and the campus is enabled with high speed wifi connection. The faculty uses various ICT enabled tools to enhance the quality of teaching-learning .Various platforms like Zoom meeting, Google meet, Microsoft teams are used for conducting online lectures for students. Google classroom is also used to manage and post course related information- learning material, lab submissions and assignments, etc. Course syllabus is completed through Presentations which are animated and have audio, video, small clips. For smooth handwriting and mathematical equations Wacom Tabs are also used.

Practicals are conducted with virtual labs through simulations which improves the effectiveness of the teaching- learning process. The faculty members effectively utilize Audio Visual

aids to demonstrate the concepts to the students using resources from National Program on Technology Enhanced Learning (NPTEL) to enhance the learning experience. Web and video courses (offline) of IIT, from NPTEL are accessible to faculties as well as for students. The research journals are available online and facility for accessing these journals is provided in the campus. Along with this other resource packages like Spoken tutorial and National Digital Library are also available for various video lectures.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

52

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

92

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

11

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

463

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The institution organizes orientation program in which students and faculty members are acquainted with the rules and regulations of the affiliating university, examinations, internal exams, assignments, tutorial classes, technical activities, detailed information about evaluation process, extra-curricular activities etc. Students are clearly made aware of the eligibility conditions required to appear in the RTMNU Examination. The evaluation process is made known to the stakeholders and students during the orientation programme as they join the College. The schedule of all internal exams like MST are communicated in advance through college Academic calendar.

- Transparent and robust internal assessment
- ♦ The internal evaluation processes is discussed in Principals meeting with HoDs, academic coordinator and mutually consented strategy is fixed well in advance and its policies are circulated amongst the staff.
- ♦ Schemes of evaluation are informed to the students at the beginning of the session.
- ♦ The previous university examination question papers, question banks and model papers are made available to the students by the respective subject faculty and in the libraries so that they are aware of the paper pattern and marking scheme of university Papers
- ♦ Setting of question papers are done by respective subject faculties and are submitted to OIC Exam cell in sealed covers confidentially to ensure transparency in the system.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

Institute resolves all internal examination and university related grievances in a transparent and time-bound fashion. Redressal of grievances is permitted by University for semester examinations and not for term work/oral/practical, project, and seminar examination. The mechanisms for Redressal of grievances

with reference to evaluation is as follows-

- Institute level -
- ♦ Students are made aware of the assessment methods at the beginning of the semester.
- ♦ The assessed answer sheets are circulated to students in class-room by the respective subject faculty along with the discussion of correct answers.
- ♦ Faculty discusses about Lacunae in performance with students to enable them to improve their learning and overcome the shortcomings.
- ♦ In case of any discrepancy, they are advised to bring the matter to the notice of concerned subject faculty and get it solved. The matter can always be discussed with mentor teacher, class-in-charge or HoD if remains unsolved at the subject faculty level. Hence, the process becomes very efficient. However, student can always approach to the Principal for his/her grievance and all authorities take an immediate action whenever required.
- ♦ As per R.T.M. Nagpur University directives, all internal marks are to be submitted on-line within a stipulated time frame. Thus, the process of sorting out grievance becomes time-bound.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The importance of the learning outcomes, Program Education Objectives, Program Outcomes and Course Outcomes for all programs offered by the Institute are clearly stated, displayed on the website and communicated to the students and teachers.

- ♦ The PEOs have been categorized in to three sections such as Academic Values, Social Sensibilities and Moral and

Spiritual Values. Integrating different stakeholders of the systems, the competencies and the performance Indicators for each of the Program Education Objectives are also defined and which in turn lead to design of comprehensive course level competencies and performance indicators. Programme Assessment Plan detailing the different Assessment types are also designed.

- ♦ Program outcomes are derived from the Program Education Objectives and are fine tuned to the specifics of each program.
- ♦ The importance of the learning outcomes has been discussed and communicated to the teachers in staff meeting and IQAC meeting.
- ♦ All students are apprised of the objectives and expected outcomes of their programme on admission during the compulsory Orientation programs.
- ♦ Students are also educated and provided with the detailed syllabus and course outcomes in each course and the assessment strategy for each course.
- ♦ Demonstration of thorough conceptual understanding in the core areas of all the subjects with the support of mathematics.
- ♦ Necessity of use of software tools and coding to perform mathematical operations, statistical analysis and simulations in solving complex problems.
- ♦ Use of basic laboratory equipment correctly and effectively in order to conduct measurements, and analyze and interpret the results, including a quantitative understanding of uncertainties.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Map CO's with the questions given in Internal exams (MST-1, MST-2 and PUT), activities, assignment and questions of RTMNU exam of particular subject.

[6 CO's are mapped with the six units given in the syllabus, CO1

with unit-1, CO2 with unit-2, CO3 with unit-3, CO4 with unit-4, CO5 with unit-5, CO6 with unit-6, respectively]

Absolute marks are calculated by taking 40 % of marks assigned to each question of particular internal exam.

Find CO attainment for each question. CO attainment is calculated as follows

If percentage of students scored above absolute marks are between 40 to 50 assign 1, 50 to 60 assign 2, Above 60 assign 3.

(levels are graded as follows:- 1=low , 2= medium , 3= high).

Similarly calculate CO attainment of activity and assignment as stated above.

Internal CO attainment is calculated by taking the average of each CO achieved in every internal exams, activity and assignment. For e.g. Internal attainment for CO1 is the average of CO1 in MST1, MST2, PUT, activities & assignments.

Similarly calculate the Internal attainment for CO2, CO3, CO4, CO5 and CO6.

Actual CO attainment is calculated by the formulae- $(0.2 * \text{Internal CO attainment} + 0.8 * \text{University CO attainment})$ as weightage of marks for - Internal exams = 20 and RTMNU exams = 80

Consolidated CO attainment is calculated by taking the average of all CO's (CO1, CO2, CO3, CO4, CO5, and CO6).

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

378

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<http://www.nit.edu.in/Naac/IQAC/StudentSatisfactionSurvey.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

2

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

88

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

76

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year**14**

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The extension activities are planned and executed to provide practical exposure to the students regarding various social issues. The college organizes numerous activities under NSS, Student Rotaract Club and department forums to assimilate social responsibilities. NSS: Since the inception of Institute in the year 2008, NSS team has organized number of awareness programs related to the environment and social issues which includes: Blood donation camps. Tree plantation programmes. Swachh Bharat Abhiyan on the occasion of birth anniversary of Mahatma Gandhi. Traffic Control programmes for rural community. "Shiv Jayanti" celebration Water conservation at village Umatha. Awareness programme "Say no to nylon Manja" on the occasion of Sankrant at Samvidhan Chowk. Door to door campaign in Mahurzari village to make people aware about the importance of cleanliness in their surrounding, cleaning Mahurzari Lake and Open Defecation Free (ODF) village/slum. Every department has forum under which number of activities have been organized. Many of the activities are jointly organized with NSS and Rotaract Club: "Nirmalya Ganesh Festival"- wherein the environment concerns are looked after. Active Participation in Gorewada Forest Festival Seminar on Human Rights, Indian Judiciary System and Constitution of India Honor and Commemoration of WAR heroes Celebration of Unity Day Constitution Day Celebration Celebration of Yoga day

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

1

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	View File

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

10

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

808

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

81

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	No File Uploaded

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

7

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The Institution has adequate facilities for teaching learning processes. The Institute has sufficient space and area as per norms of statutory bodies. As per AICTE norms, Land area required is 2.5 acres. The College is having an area of 40468.6 sq.m. (10 acres). The total built-up area is 10424.403 sq.mt. The state of-the-art infrastructure facilitates a good teaching-learning environment. The infrastructure includes 17 classrooms, 05 tutorial rooms 35 laboratories, common workshop, central library, seminar hall, open stage, canteen facility and playground, sick room, T & P Cell, girls common room, boys common room. As per guidelines of Rashtrasant Tukadoji Maharaj Nagpur University, each laboratory is equipped with sufficient number of required experimental setups. The activities which require large gathering like placement talks, expert talks, awareness programs, interactions are arranged at state of art seminar hall equipped with audio visual systems. Every department has computer laboratory which is utilized for workshops, aptitude tests, project development and competitions. 20 ICT Class rooms and 1 ICT enabled seminar hall is available in the Institute. The campus is WiFi enabled with 358 computers in LAN connection. Every department has adequate equipments and computing facilities which are utilized by students and faculty members.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

The Institute is having dedicated and experienced faculty for executing sports activities with the

designation of "Director - Physical Education". He looks after all in-house and outside sports activities pertaining to International, National and State level events. The college has playground with sports facilities like basketball, volleyball, football, Cricket, tug of war, athletics etc. Apart from outdoor games Institute has made a provision of indoor games such as table tennis, carom, chess, badminton, etc. Every year Institute

promotes students to participate in various sports events conducted by University and other organizations. The Institute conducts Annual Sports meet under the banner of "UDAAN". Every year Institute conducts mega cultural activities in the name of "Pratibimb", wherein various cultural activities like dance, singing competition, student personality show, quiz, debate competitions, Antakshari, etc. are organized. The cultural activities are conducted at Seminar hall and open space. The activities of Yoga are arranged regularly for students and faculty members. Students have won prizes and medals at National level Yoga competitions. The Institute celebrates cultural festivals like Dahihandi, Ganesh festival, Vishwakarma Puja, Diwali Milan, Holi, etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

23

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

23

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

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

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

120.46

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

Library has total area of 411.115 sq.m. with reading room having seating capacity of 150 students. Library remains open on all working days between 9.30 am to 5.00 pm. Library provides open access facility to students and faculty. Library users can move freely in stack and can select the required books of their choice for issuing and reading in the reading room. The library staff assists students for tracing the required books from the stack. Most of the news papers and magazines are also available for students and faculty. Library is having Web OPAC facility where students can know the information about available resources. It is registered as a member of National Digital Library. It also has reprography facility. Book bank facility

is extended to backward category students.

Library is using automated Synchronic Sack Info software since inception of Institute.

Name of the ILMS software: Sack Info 2.5

Sack Info 2.5 is a local area network (LAN) based software

Nature of Automation:

The Sack Info 2.5 is having facility of Acquisition, Catalogue, Circulation, OPAC and Serial Control modules.

Version:

Sack Info 2.5 version.

Year of Automation:

Session 2008-2009.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	Nil

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

0.15429

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

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

1150

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Institute has state of the art IT infrastructure facility in campus. Institute has 3 Servers which are used to host cyber activities of the Institute. Institute is having 358 Computers connected in LAN which are used by students and staff. Classrooms and seminar halls are equipped with LCD Projectors (14) and WiFi/LAN connectivity. Separate Audio Visual Hall with internet connectivity is available for webinars and live video lectures. Institute has 50 MBPS bandwidth lease line with ratio 1:1. It is planned to upgrade the bandwidth of WiFi. Institute regularly updates and upgrades IT infrastructure time-to-time as per requirement. Every year, budgetary provision is made for up-gradation. Institute has partially upgraded LAN speed from 100MBPS to 1GBPS by deploying new GBPS Ethernet switches. Reliance Jio infratech Wi-Fi is also installed for staff and students.

The following are the strategies for deploying and updating IT infrastructure and associated facilities:

Procurement of upgraded Computers and accessories.

- Procurement of Advanced Software as per the requirements.
- ICT- Classroom facility is available for adopting modern teaching learning process.
- All the systems are LAN connected.
- 12 CCTV's are installed to monitor all the events and happening in the Institute.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Number of Computers**322**

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution**A. ? 50MBPS**

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)****57.78**

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

The Institute has internal committee for maintenance and repair of infrastructure, and external agency equipment and other support facilities. Institute management appoints staff for cleaning of campus, laboratories, library, sports complex, computers, classrooms and other Physical infrastructure. Each department has lab-in-charge who informs verbally or in writing to the concern in-charge for maintenance of electrical, civil and computer work.

The computer and peripheral maintenance work is done by internal computer maintenance staff. AMC contract is given to external agency for the maintenance of all UPS within the Institute. System administration team is available for maintenance of Internet connectivity, CCTV security system and network connectivity. Electrical maintenance: Each department is having one member to coordinate electrical maintenance work and give there requirement to the in-charge. The Institute is having 11KV substation, which is also maintained by maintenance department. In case of any repair requirement, service is also hired from outside agencies.

The Civil renovation work and maintenance work of entire Institute is supervised by Building work Cell. Library utilization and maintenance: Librarian calls quotation from different vendor to purchase books/magazines/journals and submit to purchase committee for necessary action after principal approval. Utilization maintenance Sports Complex, Classrooms etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1252

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to institutional website	Nil
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1215

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1215

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

150

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

13

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State

government examinations) during the year

12

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

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

3

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Nagpur Institute of Technology, Nagpur, Every Year organizes 'PRATIBIMB' (Annual Social Gathering) and UDDAN (Annual sports meet), 'SANKALP' (Ganesh Festival), 'ANVESHAN' (National level project competition). All these programs are organized by Students Representative Councils (SRC) committee members.

Objective of Students Representative Councils (SRC) :-

- ♦ To provide a platform for students to support, share and excel in potential qualities.

- ♦ To promote the views of students and to encourage students to become actively involved.
- ♦ To provide actively participation and leadership opportunities.

The Institute Students Representative Councils constitutes are:-

- ♦ One student from each year per department
- ♦ One outstanding student each from NCC,NSS, Sport & Cultural
- ♦ Two girls students

The department wise student's councils are:

- ♦ FAME (Federation of Active Mechanical Engineers)
- ♦ CESA (Civil Engineering Students Association)
- ♦ Feeder-(Federation of Electrical Engineering Departmental Enthusiastic Role Model)
- ♦ StACS (Computer Science Engineering)
- ♦ ITSA- (Information Technology Students Association)
- ♦ ELECTROX (ETC Students Association)

Students represent various administrative committees:

- ♦ Library Committee, Hostel Committee, Canteen Committee, College Magazine Committee, Sports Secretary, Gathering Secretary, Rotract Club, National Service Scheme, Student special Interest groups

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

12

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Alumni cell of the Nagpur Institute of Technology is devoted to its work to establish a good relation with the passed out students. The cell is able to help out the alumni for their alumna matters. The alumni cell of the Nagpur Institute of Technology, Nagpur is working with the following aims and objectives.

- ♦ To bring together the ex-students of Nagpur Institute of Technology, Servey No. 13/2, Mahurzari, Near Fetry, Katol Road, Nagpur and to promote fellowship amongst them and their families.
- ♦ To disseminate knowledge and know-how for the mutual benefit of the Members as also for the benefit of the College.
- ♦ To undertake Intellectual, Academic and Cultural Activities Sports and Games Entertainment Programmes
- ♦ Improvements to existing infrastructure of the College and social service etc. for the benefit of the Members as also of the College and for the society at large.
- ♦ To provide a forum to establish a link between the alumni, staff and students of the Institute.
- ♦ To enable the alumni to participate in activities that would contribute to the general development of the Institute and the Society.
- ♦ To help the alumni with their technical and relocation problems.
- ♦ To try to find employment opportunities to students and

fellow Alumni members in need.

- ♦ To institute prizes and scholarships, and render financial aid to needy and deserving students of the Institute.
- ♦ To support academic activities like conferences, workshops, technical symposiums (including travel and registration support to students and the staff).
- ♦ To contribute towards the welfare of the alumni.
- ♦

File Description	Documents
Paste link for additional information	https://alumni.nit.edu.in/
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision:

Service to Society by creating Technical and Skilled manpower through Value based Technical Education

Mission:

- ♦ To provide quality technical education to meet the requirements of industries and society.
- ♦ To equip students with need based technical skills through continual improvements in Teaching Learning processes and research activities.
- ♦ To inculcate ethical values for overall holistic development of students.

Nature of governance: The Governance of the Institution comprises

the Involvement of College Development Committee, Department HoDs and Internal Quality Assurance Cell {IQAC} in shaping the Institution for Vertical Growth amongst its Stakeholders. The Institution believes in effective governance by decentralizing responsibilities of the Institution into a well planned Cellular structure for overall participation, management and execution of the reforms and powers through strategic policies. The Principal, being the highest authority of the Institute, is assisted by Deans, HoDs and Cell Co-ordinators. The Dean and Cell Co-ordinators are involved in decision making process of the yearly plan and also responsible to execute activities related under their domain areas.

In conversant to Vision and Mission, the Institute has a Structured Perspective/Strategic Plan in order to prioritize the implementation of the need based goals from time to time.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Major decisions pertaining to the function and objectives of the institution are taken by the governing council. The principal is the head of the institution and monitors the academic and administrative affairs with the assistance of the Registrar, IQAC Coordinator and HoDs. Further, the institution follows the decentralized governance system. HoDs are authorized to make decisions at the department level with full academic autonomy under the overall guidelines of the principal. HoDs have the operational autonomy to plan, budget, and execute various activities of their departments with the involvement of faculty members. All the department related activities are undertaken by the faculty members in the department who have been assigned as in-charges. Faculty members heading various committees are given freedom to execute the work assigned. Aside from the various committees, the college will be organized into cells and clubs. Frequently, various programmes were organized by each and every cell and monitored by the head of the department.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

A 360 degree perspective plan is developed by a IQAC which considers important factors i.e. structure, mechanisms and stake holders within the system and their capacity to act, their creativity, the collaboration between them, their confidence, and the coherence of the action with other initiatives. The objective is to ensure the quality and imbibe the culture of excellence and focus on the time-bound goals set for academic, administrative, research and development activities. The entire process is based on participative approach wherein the faculty members, and other stakeholders are involved in the development of plans and its efficient execution. The summary is as follows

Sr. No

Strategic Plan

1

Enhance engagement with Society

2

Diverse Student learning environment

3

Enhance engagement with Industry

4

Improve internal support systems

5

Enhance alumni engagement

6

Develop a cleaner and greener campus

7

Enhance Research Culture

8

Academic Autonomy and Industry Oriented Curriculum

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	View File

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

The governing body is responsible for the operation of all aspects of the institution. Various co The Various Committees are,

1. Internal Quality Assurance Cell (IQAC)
2. Research & Development Committee
3. Admission Committee
4. Examination Committee
5. Library Committee
6. Staff Performance Appraisal Review Committee
7. Student Welfare Committee
8. Sports & Cultural /NSS/Extra Curricular Activities Committee
9. Anti-Ragging Committee
10. Internal Complaint Committee (ICC)
11. Grievance Redressal Committee
12. Publicity/Advertisement/ Institute Website updates committee
13. Discipline Committee
14. Institute Maintenance Committee

15. Hostel Committee
16. Training & Placement Cell
17. Entrepreneurship Cell
18. Alumni Association
19. Institution -Industry Interaction Cell (IIIC)
20. Women Empowerment Committee
21. Academic Review Committee (ARC).

The major decisions regarding developmental plans are discussed in the Governing council meetings. Principal is the academic and administrative head to decide on academic and nonacademic activities. The Head of the Departments are responsible for academic and administrative functioning of the departments. The teaching Faculty takes care of the curricular, co-curricular and extra-curricular activities. The Librarian plans for the procuring of books and maintains all functions of the Library. The System Administrator upkeeps, configures and maintains operation of college servers, updates college websites, and arranges on-line feedback. The Service rules and appointments are as per the guidelines of regulatory authorities.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	Nil
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The teaching and non -teaching staff plays a vital role in the growth of the institute and therefore, the Institute is recognizing their productiveness and acknowledges their needs and requirements regularly. As a result, the institution is implementing various effective welfare schemes. These welfare measures enrich the physical and mental health of the employees and thus promote a dynamic and encouraging work atmosphere. This stimulates the employee productivity and commitment towards the institute. The following list shows the various welfare structures:

1. Financial Benefits

- ♦ Post appraisal incentives provided for best performing staffs.
- ♦ Marriage gift for staff members.
- ♦ Providing financial support to attend FDP, workshop, training programs and National & International Conferences.
- ♦ Two sets of free Uniform are provided for Non-Teaching Staff.
- ♦ Maternity leave for the woman Teaching & Non-teaching Staff members as per norms.
- ♦ Special leave for religious festivals.
- ♦ Celebrations of the festivals in the campus.

2. Non Financial Benefits

- ♦ Subsidized canteen facility for breakfast - Teaching and Non teaching members
- ♦ Free wifi inside the campus. Providing On duty for attending

FDP, workshop, training programs and National & International Conferences.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

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

0

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

54

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

72

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Quality teaching is indispensable for improving student outcomes and achievements. Institute has well designed Performance Appraisal system. It is implemented with the help of Performance Based Appraisal System (PBAS) which evaluates overall

performance.

Performance is self assessed and duly filled in PBAS by Faculty and Staff at the end of every semester. PBAS of faculty is filled by Head of Department, and PBAS from various Cell coordinator is collected. PBAS are then evaluated by respective HODs/Cell Coordinators and Principal. PBAS system inspires Faculty members to boost professional knowledge and academic growth. It is mandatory for every Faculty member and Staff to submit the performance appraisal for every semester. The performance appraisal system for teaching staff is evaluated on following parameters:

1. Teaching, learning and evaluation related performance
Lectures, Seminars, Tutorials, Practical's, Contact Hours
Reading / Instructional material consulted and additional knowledge resources provided to students. Use of Participatory and Innovative Teaching-Learning Methodologies, Updating of Subject Content, Course Improvement etc. Examination related work and duties
2. Co-curricular, extension and professional development related activities (Extension/co-curricular, Professional Development related Activities and Contribution to Management of Institution).

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Before the start of the academic year, Institute earmarks financial activities for the departments and centralized cells. During the year, Accounts Officer carries out scrutiny of finances of conducted activities and checks the financial provisions. At the end of the year it is audited by an external Chartered Accountant. Budget for every event/activity is prepared by activity incharge and it is approved by Principal well in advance. Institute budget includes Recurring and non recurring expenses, budget includes details of Capital goods, furniture and

fixtures, salary, operation and maintenance and other finance heads. The financial reimbursement procedure is easy and simple. At the end of the financial year balance sheet is prepared and is approved by management. The Books of accounts are as per the statutory requirements. The auditor ensures that all payments are duly authorized. Internal financial audit used to carry out every month by S. M. Nimodia & Co., FR No. 126416W, M No. 119955. External financial audit executes once in a year by Ratan Chandak & Co., FR No. 108696W, M.No. 42711.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

2

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Institute maintains and follows a well-defined process for the mobilization of funds and resources through various committees. Institute has designed well framed policy for the fund usage and resource utilization. Tuition fee of students is the major source of income for the institute. Sponsorship funds are also sought from various government and non-government agencies for events like seminar/workshops etc. Utilization of Funds. A finance committee has been constituted to monitor the optimum utilization of funds for various recurring and nonrecurring expenses. The purchase committee seeks quotations from vendors for the purchase

of equipment, computers, books, etc. and scrutinized the same before a final decision is made based on different parameters. The Principal and committee members ensure that the expenditure lies within the allotted budget. Resource Mobilization Policy and Procedure At the commencement of financial year, institutional budget is prepared which includes recurring expenses such as salary, electricity and internet charges, stationary along with planned expenses such as lab equipment purchases, furniture etc. The budget is scrutinized and approved by the College Development Committee (CDC). Statutory auditors are also appointed for certification of the financial statements every year.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

The IQAC plays an important role in the implementation of quality assurance strategies and processes at all levels. IQAC focusses mainly on following points - Quality aspects related to academic and administrative practices Collaboration with other organizations, industries and funding agencies Training to teaching and non-teaching staff Dissemination of quality policies to all stakeholders. Collection and analysis of feedback of all the stakeholders. Preparation of Self-Study Reports of various accreditation bodies such as NAAC, NIRF, NBA and CII etc. Introduction of new programmes/courses Preparation and submission of Annual Quality Assurance Report (AQAR)

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

recorded the incremental improvement in various activities

Institute IQAC plays an important role in reviewing the teaching learning process and focuses on effective implementation of OutcomeBased Education (OBE) for all the programs. The institute has defined Programme Outcomes (POs) based on 12 Graduate Attributes (GAs) as suggested by NAAC. With the revision in curriculum by affiliating university (SPPU) Course Outcomes (COs) are defined for each course. Appropriate teaching methodologies and assessment tools are planned and implemented for effective student centric learning. IQAC has well defined policy and process to define set attainment levels for COs and POs. All curricular and extra-curricular activities are considered for CO and PO attainment. At the end of academic year IQAC conducts the academic audit, reviews as well as records the attainment levels and suggests various activities for incremental improvement. MoUs have been signed with different industries for skill enhancement. More emphasis was given on ICT based teaching, faculties also created MOOCs and YouTube videos for demonstration of theory and practical for various courses.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Nagpur institute of Technology, Nagpur Institution shows gender sensitivity in providing facilities such as

a) Safety and Security b) Counseling c) Common Room

NIT has a strong ethical work culture that is based on inclusivity. It observes highest ethical standards in all its activities. Equal opportunities are provided to all individuals irrespective of gender, race, caste, color, creed, language, religion, political or other opinion, national or social, origin, property, birth or other status.

(a) Safety and Security

- Awareness campaigns on women safety and gender sensitivity through street plays (Nukkad Natak), rallies and camps by NSS and NCC student volunteers.

- Well-trained and vigilant women security guards stationed across the campus

- Security checkpoints at all campus entries and exits.

- Rotational duty by all faculty members for discipline and security.

- Hostels for women with dedicated wardens.

(b) Counseling

- Formal and informal avenues for counseling male and female students and staff for academic and other issues/problems.
- Grievance Redressal Committees for staff and students
- Gender sensitization programme conducted in college campus that include the following aspects:

(c) Common Rooms:

- In most of the Departments, common rooms have been allocated for men and women, which also facilitate meetings and discussions.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	No File Uploaded
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Waste Management

1. **Solid Waste Management:** - The solid waste in the campus generated from various potential sources, such as Academic Buildings, Hostels, Canteen, Garden, etc. is managed by cleaning staff assigned to different locations in the campus. There are 23 workers for the waste management in the campus. Dustbins are placed at different locations in the campus. Some dustbins are placed in the class rooms and laboratories. Dustbins are also placed in front of cafeteria and in the corridors.
2. **Liquid Waste Management:** - The waste water from the various departments is collected by a network of underground and open drains and disposed into a nallah adjacent to premises. Waste water from water closets is collected into septic tanks provided separately for various buildings.
3. **E-Waste Management:** - Some of the e -waste generated is used for technical education purpose by making use of hardware in laboratories for display and study. Some of the components are being used for demonstration purposes. electronic goods are put to optimum use. The electronic components such as old invalid projects of final year students as well as damaged or old electronic circuits, models are reused for making the new electronic devices/projects by the students.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	Nil
Any other relevant information	View File

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting
Bore well /Open well recharge Construction of tanks and bunds Waste water recycling
Maintenance of water bodies and distribution system in the campus**

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Any other relevant information	View File

7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 1.Restricted entry of automobiles 2.Use of Bicycles/ Battery powered vehicles 3.Pedestrian Friendly pathways 4.Ban on use of Plastic 5.landscaping with trees and plants 	A. Any 4 or All of the above
File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	No File Uploaded
7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following <ol style="list-style-type: none"> 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	E. None of the above
File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded
7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-	A. Any 4 or all of the above

reading software, mechanized equipment
5. Provision for enquiry and information :
Human assistance, reader, scribe, soft copies
of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institution has been taking several efforts and initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. By celebrating many National and International Days, Events and Festivals the institution aims at bringing tolerance and harmony among the students and staff and other stakeholders.

Session

Activity Name

Date

No. of Students Participated

2021-22

1. Madatichi Hak

10/5/2021

72

1.Yoga Day

21/6/2021

112

3.Lakshami Narayan day

30/9/2021

212

4.Gandhi Jayanti

2/10/2021

52

5.electoral literacy club activities

11/10/2021

49

6.Savidhan Diwas

26/11/2021

71

7.Yuvak Diwas

12/1/2022

55

8.Swachata Diwas

13/1/2022

65

9. Tree Plantation

17/1/2022

69

10. Natinal Voter day

25/1/2022

51

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	View File

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

By celebrating many National and International Days, Events and Festivals the institution aims at inculcating values, rights, duties and responsibilities of citizens including yoga day, Rashtriya Ekta Diwas, Say No To Nylon Manza, 71th Constitution Day, Yuvak Diwas, Republic day, Pulse Polio Vaccination Campaign and many more etc..

Session**Activity Name****Date**

No. of Students Participated

2021-22

1. Madatichi Hak

10/5/2021

72

1.Yoga Day

21/6/2021

112

3.Lakshami Narayan day

30/9/2021

212

4.Gandhi Jayanti

2/10/2021

52

5.electoral literacy club activities

11/10/2021

49

6.Savidhan Diwas

26/11/2021

71

7.Yuvak Diwas

12/1/2022

55

8. Swachata Diwas

13/1/2022

65

9. Tree Plantation

17/1/2022

69

10. Natinal Voter day

25/1/2022

51

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

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website. There is a committee to monitor adherence to the Code of Conduct. Institution organizes professional ethics programmes for students, teachers, administrators and other staff. 4. Annual awareness programmes on Code of Conduct are organized.

A. All of the above

File Description	Documents
Code of ethics policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

All national festivals are celebrated with great enthusiasm to inculcate a sense of patriotism in the students. Every year students come together and perform cultural programs highlighting societal problems. Many events and guest lectures are regularly organized to instill a sense of national pride and gratitude towards sacrifices of great leaders of our country. The student, staff and alumni participate and rejoice during this celebration with great patriotic fervor. The Institution also commemorates the birth / death anniversaries of great Indian personalities like Swami Vivekananda, Dr. A.P.J. Abdul Kalam (National Innovation day), Chatrapati Shivaji maharaj, Rajmata Jijabai, Netaji Subhash Chandra Bose, Shahid Bhagatsingh, Bharatratna Dr. Bhimrao Ambedkaris celebrated every year. The invited guests share the teachings of these eminent personalities through their speeches. Institute also organizes various events such as Teachers day, Engineers Day, International Yoga Day, NSS Day, National Science Day, International Women's Day, Marathi language day etc. The celebration of these days includes organizing various talks and seminars.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

BEST PRACTICE I

Campus Recruitment Training (CRT):

CRT program is exclusively designed for the students in order to make them ready for placements. It is focused on ensuring that the students are well equipped to get through the recruitment process of various IT and Core companies by gathering the inputs from the job-seekers and placement-providers. This program is implemented through an external renowned agencies which have expertise and credentials in grooming the students. These agencies hail across the state and nation.

The program has different modules for aptitude test, group discussions, reasoning and personal interviews.

1. Title

Empowering students with Campus Recruitment Training.

2. Goal

- a) To enhance employability skills.
- b) To assist students in cracking the aptitude tests.
- c) To provide grooming environment through personalized coaching and group activities.
- d) To enhance overall personality.

Best Practice 2

Title Teacher-Guardian Scheme

Goal: To enhance academic performance of students through personal counseling and to resolve issues, if any.

Please go through the additional documents for details

File Description	Documents
Best practices in the Institutional web site	No File Uploaded
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Industry Institute Interaction Cell

NIT, Nagpur has always emphasized on strong industry institute relationship. For this the college is having dedicated Industry Institute Interaction (III) Cell with objective of strengthening relationship between college and industry to improve student employability. A strong industry linkage helps to achieve summer internships, visits, experts talk and opportunities for students to work on live projects. Through III Cell, faculty members are engaged with various industries for knowledge sharing which helps in improving research & consultancy.

Objectives of the III Cell

1. To bridge the gap between Industry and Institute.
2. To enrich the teaching learning process through industrial visit, guest lectures, etc.
3. To encourage the students for doing the industrial training/ Internship case studies and live projects.
4. To promote research, development activities and skill development workshop.

Activities under III Cell:

- Industry visit for students. (14 visit)
- Industry Expert Guest Lectures (20)
- Course lectures by Industry experts (11)
- Industrial Case Study.
- Vacation Industrial Training / Internship. (412)
- Industry based skill development training programme.
- Industry based live projects.
- MOU with industries for various activities. (35+)
- Industrial Research & Consultancy services
- Industry sponsored labs (1) JOHN DEER Automobile Lab

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- ♦ To enhance the teaching learning process by adopting various pedagogies and blended teaching learning techniques.
- ♦ To arrange different quality improvement programs for students and faculty members.
- ♦ To encourage faculty members and students towards research and innovation by participating in IIC 4. 0, MHRD, Govt. of India
- ♦ To ensure industry ready approach of the students for improvements in placements, online internships and industry certifications.
- ♦ To increase entrepreneurship and skill development activities for students.
- ♦ To enhance the institute infrastructure and other facilities for supporting increased intake.
- ♦ To conduct external academic audits for quality improvement.
- ♦ To prepare NBA accreditation of UG
- ♦ To conduct webinars and FDP's for awareness regarding autonomy of the institute.
- ♦ To create awareness about National Education Policy (NEP) and its implementation.