



Yearly Status Report - 2018-2019

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	NAGPUR INSTITUTE OF TECHNOLOGY, NAGPUR
Name of the head of the Institution	Nileshsingh V. Thakur
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	09881711787
Mobile no.	9545753555
Registered Email	principal@nit.edu.in
Alternate Email	registrar@nit.edu.in
Address	Survey No. 13/2, Mahurzari, Near Fetari, Katol Road, Nagpur
City/Town	Nagpur
State/UT	Maharashtra
Pincode	441501

2. Institutional Status																			
Affiliated / Constituent			Affiliated																
Type of Institution			Co-education																
Location			Rural																
Financial Status			private																
Name of the IQAC co-ordinator/Director			Dr . A . B . Bodhe																
Phone no/Alternate Phone no.			09923203951																
Mobile no.			9881711787																
Registered Email			iqaccell@nit.edu.in																
Alternate Email			registrar@nit.edu.in																
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)			http://www.nit.edu.in/AQAR.php																
4. Whether Academic Calendar prepared during the year			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			http://www.nit.edu.in/Academics/Academic%20Calender%202018-19.pdf																
5. Accrediation Details																			
<table border="1"> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> <tr> <td>1</td> <td>B</td> <td>2.31</td> <td>2019</td> <td>15-Jul-2019</td> <td>14-Jul-2024</td> </tr> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.31	2019	15-Jul-2019	14-Jul-2024
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B	2.31	2019	15-Jul-2019	14-Jul-2024														
6. Date of Establishment of IQAC			11-Jun-2018																
7. Internal Quality Assurance System																			
<table border="1"> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> <tr> <td>Training for Wheebox Employability skill test</td> <td>04-Sep-2018 10</td> <td>80</td> </tr> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries	Training for Wheebox Employability skill test	04-Sep-2018 10	80					
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Training for Wheebox Employability skill test	04-Sep-2018 10	80																	

Training on HCNA (Huawei Certified Associate)	16-Sep-2018 1	80
Campus Recruitment Training	17-Sep-2018 3	221
Training on Company Recruitment process & Basic concept of programming	04-Jan-2019 2	52
Guest lecture on Roadmap for PG Education in USA/Germany delivered by Shri Mukul Chimote	12-Jan-2019 1	83
Guest lecture on How to write a quality research paper delivered by Dr.N.K.Mandavgade	24-Jan-2019 1	73
Guest lecture on How to Face Interview delivered by Dr.V.N.Kalbande	24-Jan-2019 1	58
Guest lecture on Dos and Dont during internship delivered by Mr. Gajanan Ghugal	26-Mar-2019 1	60
View File		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nagpur Institute of Technology	National Service Scheme	RTM Nagpur University	2018 365	1050
Nagpur Institute of Technology	National Service Scheme	RTM Nagpur University	2018 365	18975
View File				

9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

4

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

Yes

Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
12. Significant contributions made by IQAC during the current year(maximum five bullets)	
Students were motivated and guided to participate in technical events. Teaching staff and students were motivated to enrol for online courses. Entrepreneurship awareness is carried out among the students. Academic and administrative audit was conducted by IQAC. Students were mentored to score in university examinations.	
View File	
13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year	
Plan of Action	Achivements/Outcomes
Effective teaching learning process to achieve academic excellence.	7 Students secured rank in top three positions in University examinations.
Focus on student placement.	51.98% students from final year were placed.
Industry Institute interactions to be strengthened.	Gold Ranking in AICTE CII SURVEY 2018
To establish NPTEL local chapter.	Total 128 students and faculty passed NPTEL online course examinations.
View File	
14. Whether AQAR was placed before statutory body ?	Yes
Name of Statutory Body	Meeting Date
College Development Committee	20-Nov-2018
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	26-Jun-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018

Date of Submission	24-Dec-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>The Institute has a well designed Management Information System named as Sack Info. Sack Info 2.5 is a local area network (LAN) based software. The Sack Info 2.5 is having facility of Acquisition, Catalogue, Circulation, OPAC and Serial Control modules. All the major academic and nonacademic activities are implemented through MIS. Management Information System (MIS) software has been developed for all Teaching Learning planning and implementation processes, all pre examination, examination and post examination and supplementary processes such as Time table generation, student list generation, online payment for examination detention list attendance of students , all internal and end semester examinations, entry of all internal marks tabulations, result declaration, result analysis , letter to parents etc. are done through MIS system. Modules currently operational are Automatic Student ID Generation, Automatic Students Transaction in Next Semester, Roll List generation, Course offered and Course registration, Course registration approval by Faculty advisor, Online Attendance entry and monitoring/ reports, Parents letter generations and provisional detention list, Consolidation of Internal Marks, Online Exam Registration, Teaching Plan, Time Tables, Internal Marks, Result etc.</p>

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

The Institute ensures effective curriculum delivery through a well planned and documented process. Our Institute, Nagpur Institute of Technology, Nagpur is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur. Institute follows the curriculum (Syllabus/Course and Examination Scheme) and Academic Calendar provided by RTMNU, Nagpur. Curriculum is effectively delivered by working out systematic implementation plan along with relevant implementation processes. • Action plan for implementation of curriculum is

prepared by Dean (Academics) in-consultation with Principal and prior discussions with HoDs. • Dean (Academics) proposes Institute Academic Calendar in-line with University Academic Calendar. • Teaching workload is prepared by individual Head of Departments by referring University curriculum. • Concerned HoD issues the subject choice form to all the faculty members of respective departments and subsequently the choice forms are collected back. • Based on choices, the subjects are allotted to the faculty members. In addition, the expertise, experience and level of the subject is also considered by HoD while allotting the subject to the faculty member. • Accordingly, the HoD asks to prepare Time Table and notifies it to all concerned faculty members and communicates a copy of the same to Dean (Academics). • The concerned faculty member prepares the Teaching plan by referring the syllabus of the subject & Academic Calendar and HoD approves the same with suggestions, if any.

Accordingly the concerned faculty member maintains the course file. • The faculty member records the daily attendance of Theory and Practical in Theory and Practical Diaries and also uploads in "SACKINFO" ERP software. • Progress of students is evaluated through Continuous Internal Evaluation (CIE). • CIE for Theory comprises of Attendance, Class Test (CT), Mid Semester Test (MST), Objective Test (OT), Assignments (Group) and Pre-University (PUT) sessional examination. • CIE for Practical comprises of Attendance, Practical execution performance, Viva-voce, Practical journal submission. • Class engagement and syllabus completion is monitored by HoDs and controlled by Dean (Academics) for effective implementation of curriculum. • It's a regular practice to arrange various activities like: guest lectures, expert talks, trainings, workshops, seminars, site visits, industrial visits, case studies, etc. to increase effectiveness of curriculum delivery. • Students are encouraged to refer or utilize resources like book CDs, old question papers, final year project reports available in library, also, they are encouraged to refer online NPTEL videos. • Students are also encouraged to execute the practical execution through Virtual Laboratories. • Collection of mid-term student feedback is a regular practice to keep track of academic progress and improvement. • Review meetings of HoDs, Dean (Academics) and the Principal to monitor the academic progress and to observe effective execution of the academic plan.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
No Data Entered/Not Applicable !!!					

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
View File		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer Sci. Engineering	02/07/2018
BE	Information Technology	02/07/2018
BE	Mechanical Engg	02/07/2018
BE	Electrical Engg	02/07/2018

BE	Civil Engg	02/07/2018
BE	Electronics & Telecommunication	02/07/2018

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

	Certificate	Diploma Course
Number of Students	0	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Campus Recruitment Training	17/09/2018	221
Training on HCNA (Huawei Certified Associates)	16/09/2018	80
Training for Wheebox Employability skill test	04/09/2018	80
Training on "Company Recruitment process Basic concept of programming"	04/01/2019	52
Guest lecture on Project Problem Definition delivered by Dr.Nilesh Awate	15/09/2018	71
Guest lecture on Roadmap for PG Education in USA/Germany delivered by Shri Mukul Chimote	12/01/2019	83
Guest lecture on How to write a quality research paper delivered by Dr.N.K.Mandavgade	24/01/2019	73
Guest lecture on How to Face Interview delivered by Dr.V.N.Kalbande	24/01/2019	58
Guest lecture On Piping design Engineering and construction delivered by Mr. Rohitkumar Deshmukh	18/02/2019	40
Guest lecture on Production Development cycle and Design Software delivered by Mr.Ajay Sharma	19/03/2019	61

[View File](#)

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Information Technology	51

BE	Civil Engg	49
BE	Electronics & Telecommunication	12
BE	Computer Science & Engg	16
BE	Mechanical Engg	43
BE	Electrical Engg	57
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>Student feedback: Feedback from the students for the respective course is taken twice in a semester Mid term feedback and End term feedback on various teaching/learning aspects. The feedback form is been designed which comprises of various parameters. Feedback is conducted for all the students. Students having attendance more than 60 only those forms are considered for the analysis. These forms are analyzed by the feedback committee. This is a feedback on 5-point scale, which measures parameters like Subject knowledge, Expression, Teaching aids used, methodology etc .The feedback is consolidated and the average value of every parameter is calculated for the all the staff and for all the subjects. The overall average value for all the parameters is calculated and report of individual faculty is formed. These feedback reports are conveyed to the Principal and Dean Academics. Dean academics convey the faculty feedback to the respective HoDs. HoDs discuss the feedback to the individual faculty one by one and corrective measures if any, are informed to the respective faculties for further improvements and are counselled for the lacunae. Parents Feedback: Parents are important stake holders of this system. Parents meeting is periodically conducted in the college during Parent Teacher Meet and their suggestions are regularly obtained and analyzed. The following parameters are accommodated in the feedback. • Academic Performance and behaviour of the student. • Attendance of the student. • Teaching at the department level. • Fees related issues. • Participation in the co-curricular activities and sports. • Environment. • Skill enhancement trainings. • Career guidance and Placement. Alumni feedback As the alumni is found to be the brand ambassador(s) of our institute, the feedback, of the alumni is given, due considerations. Whenever any alumni visits the college, feedback is taken and a questionnaire is floated among them in which suggestions, improvements in the curriculum is received from alumni. The responses are analysed on the basis of different parameters which helps to implement quality policy at institute level. Its observed from the earlier feedbacks received that, alumni are quite satisfied with the infrastructure , library facilities. The suggestions from alumni mainly focuses on to keep pace with the ever changing technology. College have planned an initiative for filling the gap between curriculum and industries by introducing guest lecture on emerging technologies. Alumni interaction at department level across different events such as expert</p>

lectures, discussing industry job scenario with current batches, organizing mock interview etc are the benefits. Staff feedback is collected in a prescribed format and suggestions are taken for improvement.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	CSE	60	47	47
BE	CSE (DSY)	24	9	9
BE	IT	60	43	43
BE	IT (DSY)	40	18	18
BE	ME	120	52	52
BE	ME (DSY)	97	51	51
BE	EE	60	30	30
BE	EE (DSY)	44	43	43
BE	CE	60	28	28
BE	CE (DSY)	36	36	36

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	357	0	82	0	82

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
82	82	8	20	7	5

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

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

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

The institute has well established mentoring system .One such system is Teacher-Guardian Scheme under which students of various departments are divided into small groups and each group is assigned a faculty member as mentor/TG Coordinator for the entire programme duration to seek guidance on academics, project making, personal or psychological needs. • At first year level, students academic and personal issues of concern are well looked after by the mentor/TG Coordinator. The critical cases are handled by first year in charges and HoD. This way the students realize their responsibilities at the early stage itself. • Mentoring system is followed

by all departments from the second year onwards. The students are given guidance for career, personal, besides academic issues. For higher semesters, the mentors allocated to the students will council same group of students for three years i.e. the same set of students will be monitored and counselled till they have passed the course. The meetings of mentorship are conducted every month, in which students meet their mentors for academic and personal issues. • The role of the mentor is to nurture the students and guide them for any issues they are coming across. The mentor keeps track on their improvements and counsels them accordingly. • Lecture wise attendance of the student is closely monitored, telephonically or through messaging parents are informed about their wards absentee. • Along with the mentors students are also counselled by subject faculties and HOD for improving their academic performance and attendance and schedule additional lectures/practical's. • TG monitors their progress and gives guidance to all the mentees and in a more intensive manner to those who do not fare well in the evaluation components which include Assignments, Class test, Mid-session Examination (MST) or Pre University Examination(PUT).TGs also notifies the performance of students in various state and national level examinations. • Apart from academic monitoring, students are encouraged to participate in different Technical and Co curricular events held in campus and outside as well to help them reach their highest potential. • The mentors of the class discusses with each and every student individually and supports them in all the possible ways to enrich their academic performance. The mentors contacts the parents and educates them, if required about their wards performance, and the academic programmes of the college as well as the support system and the monitor system the student and parents. The mentors always keeps a check on the attendance of the student, the marks/grades obtained in the internals externals examinations, and regarding his/her candidature in the campus placement and provides remedial coaching. HoD and faculty member of the concerned department hold meeting on a one-to-one basis with the parents of the students with unsatisfactory academic performance to give suggestions for clearing any backlogs. • Feedback is obtained from students through a planned questionnaire twice in a semester. Parent-Teacher meet are conducted and feedback from parents is obtained in every semester.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1227	82	1 : 15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
75	82	0	10	12

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			
View File			

2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	414461210	II/ III	06/10/2018	31/12/2018
BE	414461210	III/V	06/10/2018	31/12/2018
BE	414461210	IV/VII	06/10/2018	31/12/2018

BE	414429310	II/ III	06/10/2018	31/12/2018
BE	414429310	III/V	06/10/2018	31/12/2018
BE	414429310	IV/VII	06/10/2018	31/12/2018
BE	414419110	II/ III	06/10/2018	31/12/2018
BE	414419110	III/V	06/10/2018	31/12/2018
BE	414419110	IV/VII	06/10/2018	31/12/2018
BE	414424210	II/ III	06/10/2018	31/12/2018
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Reforms on Continuous Internal evaluation (CIE): Nagpur institute of technology follows guidelines of Rashtrasant Tukadoji Maharaj Nagpur University for internal evaluation and assessment procedure. Reforms in the Evaluation process: 1. Awareness of evaluation and assessment system in orientation program. 2. Conducting tutorial classes to clarify doubts and re-explaining the critical topics. 3. Regular conduct of group discussions, seminars, project seminars, guest lectures and Industrial visit. 4. Monitoring the improvement in slow learner and encouraging the fast learners by reviewing their performance. • The institute believes firmly in continuous evaluation of the students for their sustained performance. Hence a structured evaluation process has been designed and implemented. • Theory exams are prepared and conducted as per the University examination pattern. The institute conducts two MST of 40 marks each, two OT for 20 marks each and PUT of 80 marks which are conducted by exam cell. Six assignments of 10 marks each are given to students. • Exams are conducted by exam cell, department coordinators and internal squad comprising of senior faculty members oversees the smooth conduction of theory examination. • Faculty evaluates the answer sheets and distribute to the students for doubt clarifications and queries and results are declared within a week of the conclusion of the exam. • Faculty submits marks to Dean Office and HoD of respective department and marks are displayed on the notice board. • HODs conduct a meeting with department faculty members to discuss the students performance and necessary action plan for further improvement. • For laboratory evaluation, the institute conducts internal practical exam of 25 marks and journal evaluation is done on the basis of day-to-day performance in the laboratory. • External lab-examination is conducted for 25 marks as per regulation.

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

• Prof.-in-charge Academics prepares the draft of academic calendar for each semester in consultation with Principal and Dean (Academics). In-charge Academics gathers all the activities/events which will be conducting in the session from respective department HoDs, registrar, training and placement head, NSS in charge, Women cell in charge, Sports in charge and Online exam in charge. Taking into consideration all the national holidays and list of holidays declared by the RTMNU the academic calendar is prepared. • It includes all specific details like commencement of classes and end of session, national and university prescribed holidays, dates of assignments display, dates of internal exams, display of internal exam marks, expected schedule of University External Examinations, dates of Forum installation and other academic and technical activities, NSS activities, cultural and sports events, annual social gathering, HOD and CR meet, Parents teacher meet, Industrial visits, Guest lectures, Academic audit etc. • The tentative schedule is first distributed in Principals meeting along with Dean (Academic) and all HoDs and after thorough

discussions, academic calendar is finalized. • Academic calendar is circulated to all the departments and also posted on institute website for wide dissemination amongst all stake holders and is communicated to the students at the beginning of the semester. • The administration ensures that, the activities mentioned in the academic calendar are rigidly followed. • All internal exams and other activities like PTM, Guest lectures are conducted as per the academic calendar. • Evaluated answer sheets are distributed in the class and an opportunity is given to the students to discuss the evaluation with the faculty and mistakes if any are rectified on the spot by the faculty. • Submission is done within the stipulated period and term work marks are allotted based on continuous assessment.

2.6 – Student Performance and Learning Outcomes

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

http://www.nit.edu.in/Naac/IQAC/PO_PSO_CO.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
414424610	BE	IT	48	47	97.91
414424210	BE	CSE	51	49	96.07
414461210	BE	ME	104	89	85.57
414429310	BE	EE	60	52	86.66
414437210	BE	ETC	39	31	79.48
414419110	BE	CE	63	62	98.41

[View File](#)

2.7 – Student Satisfaction Survey

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

http://www.nit.edu.in/Naac/IQAC/Student_Satisfaction_Survey.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Total	0	0	0	0
Any Other (Specify)	0	0	0	0
International Projects	0	0	0	0
Students Research Projects (Other than compulsory)	0	0	0	0

by the University)				
Projects sponsored by the University	0	0	0	0
Industry sponsored Projects	0	0	0	0
Interdisciplinary Projects	0	0	0	0
Minor Projects	0	0	0	0
Major Projects	0	0	0	0
View File				

3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Guest lecture on Project Problem Definition deliver by Dr.Nilesh Awate	Mechanical	15/09/2018
Guest lecture on Roadmap for PG Education in USA/Germany deliver by Shri Mukul Chimote	Mechanical	12/01/2019
Guest lecture on How to write a quality research paper deliver by Dr.N.K.Mandavgade	Mechanical	24/01/2019
Guest lecture On Piping design Engineering and construction deliver by Mr. Rohitkumar Deshmukh	Mechanical	18/02/2019
Guest lecture on Role of engineer in supply Chain Management deliver by Mr, Sameer Karwade	Mechanical	25/03/2019
Campus Recruitment Training	Information Technology	17/09/2018
Training HCNA	Information Technology	18/09/2018
Training For V BoX Emplobeility skill Test	Information Technology	04/09/2018
Guest lecture on Project problem formulation and thrust area in Electrical Engineering Department By Dr. S. B. Bodhkhe, Professor, EE, RCOEM, nagpur	Electrical	04/09/2018

Guest lecture on Project problem formulation and thrust area in Electrical Engineering Department By Dr. D. R. Tutakne, Professor, EE, WCOEM, Nagpur	Electrical	04/09/2018
Expert talk On Cloud Computing	Information Technology	17/03/2018
Two Days Training on Company Recruitment Process Basic Concept of Programming	Information Technology	04/01/2019
Guest lecture on Do's and Don't during internship deliver by Mr. Gajanan Ghugal	Mechanical	26/03/2019
Guest lecture on 3D Printing deliver by Mr.Abhijeet Raut	Mechanical	27/03/2019
Guest lecture on Production Development cycle and Design Software deliver by Mr.Ajay Sharma	Mechanical	29/03/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Best Research Work Paper Award in International Conference index by Springer	Dr. V.N.Kalbande	Raisoni College of Engineering, Nagpur	28/07/2018	Research Paper
Presented his research paper on Low carbon Transit systems	MR. S.V.Sarode	"Urban Mobility India (UMI) conference and Expo	02/11/2018	Research Paper
Felicitated by President of Rotary Club of Nagpur Hon'ble Rtn. Kapil Bahri on	Dr. V.N.Kalbande	Rotary Club of Nagpur	19/11/2018	Appreciation Award
Felicitations for PhD research work in the area of Industrial Engineering in All India Seminar on "Quality Progress-2018".	Dr.N.K.Mandavga de	Institution of Engineers, LC, Nagpur	28/07/2018	Appreciation Award

[View File](#)

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
View File					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
First Year	1
CSE	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical	5	0
International	Civil	3	0
International	ETC	3	6.3
International	Electrical	3	0
International	Information Techonolgy	2	0
International	CSE	8	6.3
National	Mechanical	1	0
View File			

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

Department	Number of Publication
CSE	10
Information Technology	1
Mechanical	1
View File	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
View File						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
View File						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	3	21	0	4
Presented papers	14	1	0	0
Resource persons	1	0	0	2
View File				

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Rashtriya Ekta Diwas 31/10/2018	NSS, NIT Nagpur	1	401
Rashtrasant Tukadoji Maharaj Death Anniversary 29/10/2018	NSS, NIT Nagpur	1	52
Celebration of Gandhi Jayanti 02/10/2018	NSS, NIT Nagpur	1	42
Seminar On Human Right, Indian Judiciary System And Constitution Of India 28/09/2018	NSS, NIT Nagpur	1	254
Surgical Strike Day 26/09/2018	NSS, NIT Nagpur	1	201
Blood Donation Camp 22/09/2018	NSS, NIT Nagpur	1	121
Tree Plantation 22/09/2018	NSS, NIT Nagpur	1	78
SWACHHTA PAKHWADA 1/08/2018 to 15/08/2018	NSS, NIT Nagpur	1	35
Celebration of International Yoga Day 21/06/2018	NSS, NIT Nagpur	1	105

International Womens Day. (8/3/2018)	NSS, NIT Nagpur	1	10
View File			

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
00	00	00	0
View File			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat	NSS Unit	SWACHHTA PAKHWADA 1/08/2018 to 15/08/2018	1	35
View File				

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
0	0	00	0
View File			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industry Academia Collaboration	Internship	Ashish Engineering Co, Butibori, Plot no. B, 67, MIDC, Butibori, Maharashtra 441122, 98901 22131	14/12/2018	28/12/2018	Ashish Bargad
View File					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of
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			students/teachers participated under MoUs
All India Rubber Industries Associations	03/12/2018	Online test, Skill development program	2
CPC Academy, Pune	06/09/2018	Visits, Internship, Workshops, Experts , Consultancy	28
Huawei China	05/10/2018	ICT Academy Courses placement activity	80
Shree Ganesh Enterprises, Pune	06/09/2018	Visits, Internship, Workshops, Expert talks, Consultancy	6
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1600000	1452000

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
View File	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Sack Info ERP	Fully	2.5	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	20066	5676300	10	5900	20076	5682200
Reference Books	462	382019	207	36100	669	418119
e-Books	3560	13570	0	0	3560	13570
Journals	259	741136	37	120131	296	861267
e-Journals	400	13570	49144	72216	49544	85786
Digital Database	4	13570	0	0	4	13570
CD & Video	699	0	5	0	704	0
Library Automation	1	300000	0	0	1	300000
Weeding (hard &	0	0	0	0	0	0

soft)						
Others (specify)	0	0	0	0	0	0
View File						

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
View File			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	355	5	355	5	1	1	7	35	0
Added	0	0	0	0	0	0	0	15	0
Total	355	5	355	5	1	1	7	50	0

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

50 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
No Data Entered/Not Applicable !!!	

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
40000	35000	750000	700700

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

<p>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 Institute has following policies for maintaining facilities- The maintenance work is carried out by maintenance wing under departmental supervision. Computer and support facility maintenance: The computer and</p>
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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, The purchases of new computers, printer refilling, antivirus etc. is supervised by the procurement committee. Laboratory and other equipments like LCD projectors are maintained by technical supporting staff to some extent. In case of any repair requirement, service is hired from outside agencies by calling quotations for the same. Computer center with dedicated 358 computers well connected in LAN to high speed internet for the students to access internet, Other Labs are used exclusively for conducting practical. All the computers in the institute are connected in LAN with high speed internet. 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. Other laboratory equipments are maintained by technical supporting staff to some extent. In case of any repair requirement, service is also hired from outside agencies. Civil work maintenance: The civil renovation work and maintenance work of entire Institute is supervised by Building work Cell. Each department having one member in the cell to coordinate maintenance work and requirement. Building work Cell team then fulfills the requirement of Institute time-to-time. 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. Faculty members and students can issue any books from the Central Library for specified period. Faculty members are allowed to keep book for one session whereas students are allow to keep fortwo weeks. Reading hall and Reference Section of the library is available for reading and reference purpose forthe students and the staff members. 10 computers are available which are connected to high speed internet to access onlinematerial. Utilization maintenance Sports Complex, Classrooms etc.: Sports In-charge officer is responsible to keep Sport accessories in working conditions. Sports in-charge takes care of the play ground, hire external labours, if required for the maintenance of ground. Purchase of sports material as per requirement after approval from principal. Play ground is used by our students for practicing various sport events and prepare them for university level, state level and national level competitions.

<http://www.nit.edu.in/Naac/Procedure%20&%20Policies%20For%20Maintanance%20of%20Facilities.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	SSSS Tuition fee Waiver	28	140000
Financial Support from Other Sources			
a) National	Scholarship	1113	63152566
b) International	Scholarship	0	0

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
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FACE Training Programme	02/07/2018	30	FACE Agency
DC Regular student Improvement classes	24/09/2018	197	Inhouse Faculty Member
2 days free Tech training programme for final year	04/01/2019	99	Mr.Giri ,TechHub Pune
Expert Talk on Cloud Computing	29/09/2018	60	Dr.Madhuri Bhavsar,Nirma University
INTERNATIONAL DESIGN COMPETITION	28/01/2019	5	INTERNATIONAL DESIGN COMPETITION BY CADD CENTER
NPTEL Online Course	06/08/2018	275	IIT MADRAS
YOGA DAY CELEBRATION	21/06/2018	156	Dr. T. Jagdale, Yogacharya and Team
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
No Data Entered/Not Applicable !!!					
View File					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Dhoot Transmission Pvt. Ltd. Davgiri Forgings Pvt. Ltd, Ronch Polymers Pvt Ltd DHOOT TRANSMISSIONS PVT. LTD	1751	160	PTW Dital solution Wipro Hyderabad Digital Mojo Hyderabad Karvi Technology Cagimini Shobi construction	16	16

Laxmi Angi Components Forgings Pvt. Ltd. DHOOT TRANSMISSIONS PVT. LTD Ronch Polymers Pvt Ltd Sujan Cooper Standard AVS Pvt Ltd. PRAGMASYS			company pvt. ltd, Nagpur Geomitra Solution LLP Pvt.Ltd., Nagpur MNE Cosultancy Pvt.Ltd, Nagpur Global AI solution., Pune PADMINI DECOR, Bhandara. AI Inst		
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	BE	Civil Engineering	KDK College of Engineering, Nagpur	M Tech Structural Engg
2019	1	BE	Civil Engineering	Gurunank Institute of technology, Nagpur	M Tech Structural Engg
2019	1	BE	Electrical Engineering	Shri Ramdeobaba College of Engineering & Management, Nagpur	M Tech EEP
2019	1	BE	Mechanical Engineering	Tulsiramji Gaikwad Patil College of Engg Technology, Nagpur	M Tech HPE

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	1
GRE	1
Any Other	3
Civil Services	1

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

Activity	Level	Number of Participants
Yoga	Institute Level	6
Pratibimb 2K19- Cultural	Institute Level	378
Udaan- 2K19 Sports	Institute Level	1236
SANKALP- 2K18 Ganesh Festival	Institute Level	120
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	3rd Prize in Intercollege Debate Competition	National	0	1	3030	Akshay Kumar Samrit
2018	Technopost	National	0	1	3030	Akshay Kumar Samrit
2018	All India Yogasan comptition at Chennai	National	1	0	1784	Gaurav Dhande
2018	Western India Yoga Sport Championship 2018-19, 3rd Place (21-25 Age group)	National	1	0	1784	Gaurav Dhande
2018	Western India Yoga Sport Championship 2018-19, 2nd place (17-35 Age group)	National	1	0	1784	Gaurav Dhande
2018	Haushi Yoga Association	National	1	0	1784	Gaurav Dhande
2018	Yoga-Artistic Event at Shirdi	National	1	0	1784	Gaurav Dhande
2018	Yoga-	Internatio	1	0	1784	Gaurav

	Artistic Event, Asian Federation Cup	nal				Dhande
View File						
5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)						
<p>The Student Representative Council (SRC) The Student Representative Council (SRC) is considered to be a statutory structure as provided for in the Higher Education Act. The SRC offers a variety of services to students. SRCs work democratically to represent the student body in Institute decision-making and organize ways for students to participate in college life. 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):-</p> <ul style="list-style-type: none"> • 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 in their college tenure. • To provide actively participation and leadership opportunities. • To provide platform where students can personally voice their opinions • To participate in various activities/events at institute outside world. <p>The Institute Students Representative Councils constitutes are:-</p> <ul style="list-style-type: none"> • Chairmen-Principal, NIT Nagpur • One Teacher nominated by Principal • Teacher incharge of NCC • Teacher incharge of NSS • One student from each year per department • Sport Incharge • One outstanding student each from NCC, NSS, Sport Cultural • Two girls students <p>The department wise student's councils also exist, where every year forum installation conduction of various activities took place. The Department wise forum bodies are:</p> <ul style="list-style-type: none"> • 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) <p>Students represent various administrative committees:</p> <ul style="list-style-type: none"> • Library Committee • Hostel Committee • Canteen Committee • College Magazine Committee • Sports Secretary • Gathering Secretary • Rotract Club • National Service Scheme • Student special Interest groups <p>Activities conducted by Students Representative Councils (SRC):-</p> <ul style="list-style-type: none"> • To organize annual gathering (PRATIBIMB) at Institute. • To conduct annual sports (UDAAN) meet at Institute. • To organize SANKALP Ganesh Festival • Departmental forum installation. • To conduct Alumni meet every year • To arrange Farewell for passing out students. • To conduct various activities for students in institute. • To conduct various social activities. 						
5.4 – Alumni Engagement						
5.4.1 – Whether the institution has registered Alumni Association?						
No						
5.4.2 – No. of enrolled Alumni:						
80						
5.4.3 – Alumni contribution during the year (in Rupees) :						
0						

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**6.1 – Institutional Vision and Leadership**

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

The Institution practices a decentralized governance system with properly administered inter-relationships. Various cells/bodies/committees are constituted which involve staff {teaching /non teaching/support} and Students to manage various institutional activities. Committees/Cells are formed for information dissemination, management and execution of the various curricular, co-curricular and extracurricular Activities to be conducted/participated by the Stakeholders during the academic year. The departments provide a platform to all its stakeholders by arranging various activities with the support of Management For the benefit of Students and Faculty. Institute is keen on the teachers' involvement and participation for improvement of effectiveness and efficiency of the institutional teaching learning process and adopting Various methods for up gradation in them. The Institute has always been in favour of participative management and welcomes the suggestions put forth by the teachers in the meetings in the forum of HoDs, Principal or CDC. Management ensures that the opinions and suggestions made by faculty and staff are Included in the decisions implemented for college development. This process probes to the institutional practices for decentralization and participative management. This governance is practiced in all the activities wherein there is participation of faculty members, students, non-teaching and support staff. Case Study: Institute has cellular structure for the good governance. Twenty two cells are constituted for the overall development of Institute where every faculty and students are involved. HoDs are also equally participating in decision making. Institute addresses all the issues concern with the stakeholders through these cells. Various Deans, namely, Dean (Academics), Dean (Student Welfare/SRC), Dean (III Cell), Dean (R D) and Dear (Administration) are taking care of different cells. Certain groups of cells are working under Deans. Every cell has one faculty coordinator along with a member from every department and two student coordinators are associated with every cell. In total, the complete process is decentralized and participative. At the start of session training needs are identified by the concerned HoDs and submitted to the Training Cell and accordingly, the required training programmes are arranged. After analyzing the performance of the students, the concerned faculty in-charges identify the prominent learners to whom the motivation is provided to enhance the skills for particular domain. This has created a good learning environment and it is quite evident from the student's achievements. These students are always motivated to go for innovations and entrepreneurship, concurrently. The students have proven the effectiveness of this approach by bringing laurels to the college. Games and Sports cell along with NSS cell, Extracurricular and Enrichment cell, Public Relations and Outreach Cell, and Enrollment and Student Welfare cell works hard for the student's development and participation in various activities at the Institute and outside the Institute. Many students performed well in sports and cultural activities. In addition to above, Special Interest Groups (SIGs) are formed for the students and faculty to work on recent trends. SIGs focus on the research activities.

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

Partial

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	The Institute is self financed private institute affiliated to RTMNU and gives admission to the student on the basis of JEE /MHT CET and their HSC score. The lateral entry for the direct second year program level admission is done through centralized admission process for diploma pass out student as per their eligibility criteria. To achieve this we conduct various technical awareness program, promotional activities for awareness among the student about engineering.
Industry Interaction / Collaboration	The Institute has functional MoUs. The Institute has separate III CELL, through which it provides good industrial related activities like internships, industrial visits, guest lecture from industry etc. Based on industrial activities, Institute received Gold ranking in AICTE CII-Survey-2018. The Institute is running best practices like Campus Recruitment Training exclusively designed for the students in order to make them ready for placements. The Institute has dedicated Entrepreneurship Development Cell (EDC)to create the culture of Entrepreneurship amongst students. The prime focus of this cell is to provide a platform to convert student's skills/ideas into reality. It regularly organizes seminars and workshops for students and provides entrepreneurial support. This has resulted in developing budding entrepreneurs in the campus.
Human Resource Management	Nagpur Institute of Technology has well established organizational structure to execute out smooth functioning of administrative and academic processes. Various bodies are formulated which constitutes the organization chart. The governing body is the highest decision making body constituting members of the management, Principal and nominated faculty members. College Development Committee includes representatives of members of Advisory board from industry and academics. Service rules are in existence for all the teaching, non-teaching staff and students. The roles and responsibilities are clearly

mentioned in the Service rules. It is updated from time to time. Recruitment procedure is very transparent and is based on merit. It is based on Performance based Appraisal system. Due recognition is given to all the concerned. Principal, Heads of the Departments, sectional heads and co-coordinators of various committees have adequate participation in making decisions in academic and administrative processes under their preview.

Library, ICT and Physical Infrastructure / Instrumentation

The Institution has well equipped laboratories, class rooms, tutorial rooms, library, seminar hall, play ground, sufficient number of computers, etc. for teaching learning processes. The infrastructure includes 20 classrooms, 05 tutorial rooms 38 laboratories, common workshop, central library, seminar hall, open ground for stage programmes, canteen facility and playground, sick room, T P Cell, girls common room, boys common room. Institute has 20 ICT Class rooms and 1 ICT enabled seminar hall. The campus is WiFi enabled with 358 computers in LAN connection. Institute has 3 Servers which are used to host cyber activities of the Institute. Institute has WiFi/LAN connectivity. Library is fully automated by using ILMS (SACKINFO 2.5 Apart from this library is having book bank facility for backward students, subscription to national journals, CDs, Hard copy of projects reports, NPTEL video lectures. The Institute is having remote access to e-resources of the library which is done by DELNET.

Research and Development

The Institute encourages its teachers to conduct research for which a research cell and innovation cell has been in place to facilitate the research and extension activities. Different cell organizes workshops and sensitization programs to create research spirit amongst teachers and students. College provides incentives to recognized faculties and students in terms of financial support and duty leaves. Many teachers in the Institute have published their research papers in reputed National and international journals with good impact factors. Some faculties are having book chapters in edited book and books published from

	<p>reputed publisher. The Institute has functional MoUs. The Institute has separate III CELL, through which it provides good industrial related activities like internships, industrial visits, guest lecture from industry etc. Based on industrial activities, Institute received Gold ranking in AICTE CII-Survey-2018.</p>
Examination and Evaluation	<p>The institute assesses the learning levels through the Class Test (CT) and Mid Sessional Test (MST). The Examination cell conducts the various examinations including Mid-Term Tests (MST-1/MST-2), End-Term(Final exam), Practical's exam (Internal External). The examination (Midterm) in each semester is conducted according to the syllabus approved by the subject teacher. Based on the interaction of students, the proficiency of students is judged. There are significant initiatives for advanced learners and slow learners. Remedial teaching is a built-in provision in the teaching learning processes which enhances the results. Students are evaluated continuously throughout the academic session.</p>
Teaching and Learning	<p>The Institute organizes expert lectures by inviting faculty from reputed academic institutes (National or International) and industry experts. Institute has adopted modern teaching learning practices with NPTEL, blended MOOCS, Google class rooms, Virtual labs and e-yantra project which are all initiatives of MHRD. Teacher guardian scheme is introduced for the students from the inception of the institute to mentor students to solve their academic and personal problems. Teachers use ICT for effective teaching and learning. The Continuous Internal Evaluation (CIE) System Reforms are implemented which includes Mid Sessional Tests, Class Tests, Assignments and Group Assignments, Pre University Test. CIE is robust and transparent.</p>
Curriculum Development	<p>The Institute is non-autonomous and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University (RTMNU). It adopts the curriculum designed and developed by University. Students are given platform to work and interact with industry through Internship, Industrial visits and field projects to</p>

minimize the gap between Industry and Institute and to give insight to students about actual functioning in industry. Students are facilitated with different add on training programs and certificate courses in institute to make them updated with current industry scenario. Value added courses for students are added and delivered by academicians and industry experts. To develop the skills of the students to gain success in the global competitive world various skill development programs, short term courses, expert lectures and workshops are conducted in the institute. The institute has collected and analyzed feedback on curriculum in structured format obtained from various stakeholders such as students, alumni, teachers, employers and parents etc.

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

E-governance area	Details
Administration	The Institute has a well designed Management Information System named as Sack Info. All the major academic and nonacademic activities are implemented through MIS. Management Information System (MIS) software has been developed for all Teaching Learning planning and implementation processes, all pre examination, examination and post examination and supplementary processes such as Time table generation, student list generation, online payment for examination detention list attendance of students , all internal and end semester examinations, entry of all internal marks tabulations, result declaration, result analysis , letter to parents etc. are done through MIS system.
Finance and Accounts	The Institute has a Tally software for managing the all the account related information.
Student Admission and Support	The Institute has a well designed Management Information System named as Sack Info. The software stores all the information of the student and generate the unique id for the each student.
Examination	The institute has the Sack info software for the college level examination for all pre and post examination processes such as entry of all internal marks tabulations, result

declaration, result analysis , letter to parents etc. And for the university examination RTMNU web portal is available for the various examination work like exam form filling, hall ticket generation, attendance entry and result generation

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
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No Data Entered/Not Applicable !!!

[View File](#)

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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No Data Entered/Not Applicable !!!

No file uploaded.

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
NPTEL Online Certification 12 Week Course	1	01/07/2018	30/09/2018	90
Faculty Development Program for Student Induction at GNIET	1	05/07/2018	07/07/2018	03
8 week NPTEL Online Certification Course	3	01/08/2018	30/09/2018	60
One day workshop on Patent Filling at Smt. Radhikatai	1	04/08/2018	04/08/2018	1

Pandav College of Engineering Nagpur				
One Day Workshop on NAACs Revised Accreditation Framework, at RCOEM, Nagpur	13	25/08/2018	25/08/2018	1
FDP on "Life Skill" Organized by AICTE at JIT Nagpur	1	05/09/2018	11/09/2018	7
AI Deep Learning	2	08/09/2018	10/09/2018	3
Faculty Development Programme under Margdarshan Scheme of AICTE on Practical Aspects of FACTS Devices in Current Scenario at GHRCE, Nagpur	1	22/10/2018	27/10/2018	6
FDP on Catia V5 at ASTRAL Informatics Nagpur	2	03/12/2018	03/12/2018	1
FDP for New NAAC Methodology Organised by RUSA, RTMNU, Nagpur	1	04/12/2018	06/12/2019	3
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
76	76	76	76

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
The institute is depositing Provident Fund of the staff members. The salary advances are given to faculty and non teaching staff who require it for due	The institute is depositing Provident Fund of the staff members. The salary advances are given to faculty and non teaching staff who require it for due	Hostel Facility –On Campus for Girl Students Bus Facility from various routes for all Students

reasons Teaching and non teaching staffs are given Paid leaves. The eligible staff members are given promotions. There is financial assistance for attending trainings/ workshops/seminars. There is provision for emergency finance facility for medical reasons Bus facility is extended to staff members. The teaching and non teaching staff members are given Summer Vacation, Medical Leaves, Duty Leaves (Paid Leaves). Appreciation certificates for excellence in duties and responsibilities are given to the respective staff members. Teaching staff members are sent for Deputation towards higher studies

reasons Teaching and non teaching staffs are given Paid leaves. The eligible staff members are given promotions. There is financial assistance for attending trainings/ workshops/seminars. There is provision for emergency finance facility for medical reasons Bus facility is extended to staff members. The teaching and non teaching staff members are given Summer Vacation, Medical Leaves, Duty Leaves (Paid Leaves). Appreciation certificates for excellence in duties and responsibilities are given to the respective staff members.

6.4 – Financial Management and Resource Mobilization

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

Before the start of the academic year, Institute earmarks financial activities for the departments and Centralised 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 in-charge 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

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Nil	0	Nil
No file uploaded.		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

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

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

Nagpur Institute of Technology always remains in communication with parents as an initiative to fulfil the expectations of stake holders. Parent-Teacher meet is organised to exchange the views and expectations of the parent and to discuss the progress of students. If the attendance of student is found poor, parent is informed about the same by faculty members and further discussion is carried by Head of Department with parent. Timely suggestions are received from the parent to improve and upgrade the system. Parents are also included on various statutory committees. Parent feedback is noted at each parent-teacher meet and analysed. Parent help is sought to solve societal problems, if any

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

NIL

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

1. Students were motivated and guided to participate in technical event. 2. Teaching staff and students were motivated to enroll for online courses. 3. Entrepreneurship awareness is carried out among the students. 4. Academic and administrative audit was conducted by IQAC. 5. Students were mentored to score for university examinations.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Training for Wheebox Employability skill test	04/09/2018	04/09/2018	14/09/2018	80
2018	Training on HCNA (Huawei Certified Associates)	16/09/2018	16/09/2018	16/09/2018	80
2018	Campus Recruitment Training	17/09/2018	17/09/2018	19/09/2018	221
2019	2-Days	04/01/2019	04/01/2019	05/01/2019	52

	Training on "Company Recruitment process Basic concept of programming"				
2019	Guest lecture on Roadmap for PG Education in USA/Germany delivered by Shri Mukul Chimote	12/01/2019	12/01/2019	12/01/2019	83
2019	Guest lecture on How to write a quality research paper delivered by Dr.N.K.Manda vgade	24/01/2019	24/01/2019	24/01/2019	73
2019	Guest lecture on How to Face Interview delivered by Dr.V.N.Kalba nde	24/01/2019	24/01/2019	24/01/2019	58
2019	Guest lecture on Do's and Don't during internship delivered by Mr. Gajanan Ghugal	26/03/2019	26/03/2019	26/03/2019	60

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Helping Hands	11/11/2019	21/12/2019	45	20

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

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

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4
Provision for lift	Yes	2
Ramp/Rails	Yes	4
Rest Rooms	Yes	2

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
No Data Entered/Not Applicable !!!							
View File							

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

Title	Date of publication	Follow up(max 100 words)
Handbook on Human Values and Professional Ethics	02/07/2018	In this handbook the code of conducts represents for various stake holders like students, Teachers, Governing body, Principal and Supporting staff.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Nirmalaya Ganesh festival	24/09/2018	24/09/2018	108
Active Participation in Gorewada Forest festival	01/10/2018	07/10/2018	76
Seminar On Human Right, Indian Judiciary System And Constitution Of India	28/09/2018	28/09/2018	254
Surgical Strike Day	26/09/2018	26/09/2018	415
Rashtriya Ekta Diwas	31/10/2018	31/10/2018	225
Constitution Day	26/11/2018	26/11/2018	74
International Womens Day	08/03/2018	08/03/2018	430
international Yoga	21/06/2018	21/06/2018	156

Day			
Swachhata Pakhwada	01/08/2018	15/08/2018	50
Independence Day Celebration	15/08/2018	15/08/2018	950
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

• Students, staff using a) Bicycles b) Public Transport c) Pedestrian friendly roads • Plastic-free campus • Paperless office • Green landscaping with trees and plants Efforts towards green practices on the campus: a) Students, staff using bicycles b) Public Transport c) Pedestrian friendly roads d) Plastic-free campus e) Paperless office f) Green landscaping with trees and plants a) Students, staff using Bicycles About 10 students used bicycles. b) Public Transport Institute provides bus facility for students from different locations and routes. This adds to the environmental conservation reducing individual fuel consumption which avoid the under utilization of natural resources. Bus stop for city bus transportation service is located at "Fetri godown" which is 2 km away from college campus and from there college provides bus facility to the students. The University Curriculum includes Industrial and Site Visits for students of all branches. College buses are employed to carry students to and from the Industries and Sites. c) Pedestrian friendly roads The roads inside the campus are pedestrian friendly as all vehicles are compulsorily parked in the parking area. d) Plastic-free campus Efforts are taken by the Institute to create plastic free campus. Students and staff are counseled against use of plastic. e) Paperless office The Institute attempts towards making the office paperless. Open Wi-Fi facility is provided throughout the campus and important information is forwarded to all by e-mails. f) Green landscaping with trees and plants The college has a large number of trees throughout the campus. It also has lush green lawns. Trees like Neem, Palm and Gulmohar are planted in large numbers. It is helping for better environment conservation. More trees are planted each year to beautify the campus and to achieve eco friendly environment. The maintenance of garden and plants has been outsourced and proper care is taken. "Environmental Studies" is a compulsory subject taught at 3rd/4th semesters of all disciplines. This helps in inculcating awareness about the environment issues among the students. g) Use of eco friendly Ganesh idols (without POP) is practiced and promoted. h) The Institute uses saplings to welcome guests instead of flower bouquet.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

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. 3. The Context While there are always job-specific skills that an employer is looking for, most recruiters also want to have some general skills. These general job skills also count for "employability skills" or "soft skills". Employability training identifies the student's employability skills, combines

them with improved self-awareness, and prepares them for getting placement. In view of this the Institute has emphasized on grooming the students which is complemented by the outcomes. 1. The Practice Following practices are carried out under CRT module:

- Tips on Aptitude Test Preparations Cracking o Practising Discussion o Various areas/sections related to Aptitude Test • Aptitude Test Practice o Script on Self- Introduction, Practising of the script. o Creative and innovative techniques of self introduction and practise to introduce within 30 secs and to include only relevant points. One to one feedback is given immediately after the performance. • CV Making Workshop o Workshop mode - Students prepare the resume and immediate correction and suggestions are provided. o Guiding the students to prepare the CV addressing to specific needs of the different fields and use of technical terminologies accordingly. • Communication Interpersonal Skills o Script on Self- Introduction, Practising of the script, Competition on Self- Introduction. o Creative and innovative techniques of self introduction and practise to introduce within 30 secs and to include only relevant points. o Guidance- Dressing, Stress control and how to enter the interview room. • Self Introduction o Interactive Discussion Mode o Students incorporate key areas like- Short Long Term goals, Interest Hobbies, Career Goals etc. • Problem Solving Skills o Interactive Discussion Mode o Example Exercise Based • Presentation Skills o Verbal Presentation on a topic to specified audience with the help of audio-visual aids o Creating effective power point presentation using verbal communication. • Group Discussions o Group of 8-10 students and GD topic introduced. Tips how to excel in GD are shared. o Students are given practice of putting their points, initiating, summarising, concluding and leading the discussions. • Body Language o Script on Self- Introduction, Practising of the script, Competition on Self- Introduction. • Personal Interview o Simulation method with mock practise. Knowledge of Types of Interview questions- Behavioural, Competence, EQ. 2. Evidence of success • The practice has resulted in increasing the placements. There is increase of around 30 placement over the period of last 5 years. • The said module has helped the students to get placements even after they got passed out. • The preparations of quantitative aptitude, reasoning, verbal communication has helped them to prepare well for competitive examinations. • The confidence level and body language has significantly enhanced. • It has helped to enhance competitive environment amongst students. 6. Problems encountered and resource required •

As the complete module was required to be conducted at a stretch, the curriculum timings were required to be re-adjusted. Accordingly it was done and academic activities were not hampered. The extra lectures were conducted against this activity. • The placement companies are having varied criteria for selection of students. In order to normalize it, a specific module covering maximum criteria was implemented. BEST PRACTICE II In order to assist the students in their studies and to monitor their academic performance, Teacher Guardian (TG) scheme is implemented. Under this scheme 15-20 students were allotted to each faculty member. Title Teacher-Guardian Scheme Goal: To enhance academic performance of students through personal counseling and to resolve issues, if any. The Context: In the context of current social scenario, there is need for counseling the students. Students face many inter personal issues.

In order to overcome these and to take out the best out of them, guidance counseling is required. After taking admission to the Institute, a mechanism is required to guide and counsel the students. Teacher Guardian scheme is implemented in this context. The Practice: Under the Teacher Guardian Scheme, following processes and practices are carried out: • 15-20 students are allocated to a faculty member • At the start of an academic year, the TG scheme gets started. • Notices regarding the same are circulated • TG collects data in a format like contact details of student, parents, Local Guardian, earlier results etc. • The students meet TG every fortnight. • TG updates records of students like daily attendance, test results, internal assessment, assignments,

activity details, co-curricular extracurricular activities etc. • In case of any problem, the TG counsels and guides the student • It helps students to concentrate on their studies • TG provides comprehensive advice on career, courses and jobs that can enable the student to make a proper and informed choice and understand what they can do after they are done with engineering. • It helps to shape a student's behaviour and also instill enough discipline in them. • It relieves the burden and worries of parents and lessens their anxiety. • It helps students to improve personal, home and family relationships, depression, anxiety and loneliness. Evidence of success: • The discipline amongst students has increased which is evident from the fact that there was not a single case of in-discipline. • It has helped to increase the academic results • With the boost in confidence level, students have participated in many technical, curricular and extra-curricular activities. • It has helped to enhance cordial relations amongst stakeholders Problems encountered and resources required: In the initial phase of implementation, students were resisting to open up. But in due course of time this problem was resolved after proper care.

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

http://www.nit.edu.in/Naac/IQAC/Best_Practices.pdf

7.3 – Institutional Distinctiveness

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

Incubation Entrepreneurial Support: The Institute has dedicated Entrepreneurship Development Cell (EDC) to create the culture of Entrepreneurship amongst students. The Cell promotes the spirit of entrepreneurship and develops strategies for the same. The prime focus of this cell is to provide a platform to convert student's skills/ideas into reality. It regularly organizes seminars and workshops for students and provides entrepreneurial support. It fosters culture of giving impetus to creativity and innovation. In line with this it has conducted and organized various events with Vidarbha Industries Association (VIA), MCED, MSME, EDI-DST etc. The Institute is also having Project from Ministry of Rural Development (MoRD) to make rural youth employable. Objectives of the Cell: 1. To create entrepreneurial awareness/culture in the students. 2. To provide a platform to interact with successful entrepreneurs. 3. To impart entrepreneurial skills amongst students through EDP. 4. To build support system for commercialization of Product/Services developed by student. 5. MoU with various Entrepreneurship Development organizations to run entrepreneurial activities. Few of the programs include:

Sr. No.	Name of Program	Date	Venue	No of participants
1	Workshop on Industry Academy Interface	07/09/2018	SVP CET, Nagpur	2 Faculty
2	Two Days Workshop on Women Entrepreneurship Conclave	3- 4/09/2018	Jain University, Bangalore	1 Faculty, 3 Students
3	One day Workshop on Entrepreneurship Development	15/09/2018	Seminar Hall, NIT, Nagpur	12 Faculty, 358 Students
4	Udyojika New Startup Idea Competition	03/10/2018	Wankhede Hall, Nagpur	2 Faculty, 17 Students
5	Startup fest in Nagpur-2018	06/10/2018	Kavi Suresh Bhat Sabhagruha, Nagpur	8 Faculty

Evidence of success: Mr. Nadeem Khan
 Name of Department : Mechanical Engineering
 Name of Entrepreneur : Mr. Nadeem Khan
 Designation : CEO
 Name of organization : Vzoads, Nagpur
 Organization address and website: Nagpur
 Start Session : 2018-19
 Batch/Year of Passing : 2019-20
 Details of Enterprise activity : Online Advertisement Platform

Provide the weblink of the institution

http://www.nit.edu.in/Naac/IQAC/Institutional_Distinctiveness.pdf

8.Future Plans of Actions for Next Academic Year

Nagpur Institute of Technology is aiming at upgrading the quality of each individual by exploring the inherent skills. It is proposed to promote research and innovative thinking culture among students and faculties. We plan to implement best teaching-learning practices. It is proposed to improve PhD faculty members as per the required norms. We plan to promote students and teachers to go through various research methods, technical changes, research publications so that intellectual output of the institution will increase. We will concentrate on various funding schemes from government and non government organisations. In this concern various proposal such as MODROB, Short term training program for faculty etc. will be submitted to AICTE, UGC etc. Other plans are as follows: 1. Industry-Institute Interaction will be strengthened. 2. Strong connect with alumni will be developed by inviting distinguished alumni to motivate students. 3. Training and Placement cell will try to facilitate service by conducting maximum training activity, placement drive, and internship and to improve employability of students. 4. Students' National Conference will be organised. 5. Entrepreneurship Awareness workshop will be conducted to promote the culture. 6. Students' professional body, SAE Collegiate club will be installed. 7. Students will be promoted to prepare for various competitive exams like GATE, government examinations, PSU's etc. 8. Content beyond syllabus will be covered by organising industrial visits, guest lectures, and workshop for students. 9. Faculty will be motivated to publish research articles in various reputed journals. 10. Participate in National Institutional Ranking Framework (NIRF). 11. Conduction of internal Academic and laboratory audit.