Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**
Name of the head of the Institution	**Dr. Subhash R. Chaudhari**
Designation	**Vice Chancellor**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**0712-25245417**
Mobile no.	**9822576404**
Registered Email	**directoriqac@nagpuruniversity.ac.in**
Alternate Email	**iqacrtmnu@rediffmail.com**
Address	**Rashtrasant Tukadoji Maharaj Nagpur, University Jamnalal Bajaj, Administrative Premisis Ambazari Bypass, Road.**
City/Town	**Nagpur**
State/UT	**Maharashtra**

Pincode	**440033**

2. Institutional Status

University	**State**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**state**
Name of the IQAC co-ordinator/Director	**Dr. Smita Atul Acharya**
Phone no/Alternate Phone no.	**07122040459**
Mobile no.	**7720819520**
Registered Email	**directoriqac@nagpuruniversity.ac.in**
Alternate Email	**iqacrtmnu@rediffmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.nagpuruniversity.ac.in/pdf/AQAR_18_19_080720.pdf
4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.nagpuruniversity.ac.in/v2/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**Four Star**	**3.08**	**2001**	**12-Feb-2001**	**11-Feb-2006**
2	**B**	**2.61**	**2009**	**29-Jan-2009**	**28-Jan-2014**
3	**A**	**3.08**	**2014**	**10-Dec-2014**	**09-Dec-2019**

6. Date of Establishment of IQAC	**08-Sep-2009**

7. Internal Quality Assurance System

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
RESEARCH REPORT - COVID-19 AWARENESS CAMPAIGN	15-May-2020 1	150
MIS TRANING REGARDING IQAMS	29-Jan-2020 2	54
Two Day National Seminar (NAAC)	29-Jul-2020 2	91
WORKSHOP ON 'IPR-PATENT PROCEDURE & ITS LEGALITIES'	02-Jan-2020 2	100
Academic and Administrative Audit	03-Feb-2020 5	46
NIRF	15-Dec-2019 365	46
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8. Provide the list of Special Status conferred 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
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**2**
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)	

1. Twenty Two research collaborations were established with well reputed national and international Research Laboratories 2.Effective implementation of MIS system for centralize data collection for different accreditation process 3.Seven MOUs are signed with industries to promote industryinstitute interactions 4.Received Approximately 20 Lakh worth grant from various funding agencies for research laboratory development 5.0verall 292 research publication for SCI journal of high impact factor with 7 NationalInternational patent

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

Plan of Action	Achivements/Outcomes
Organized of Induction cum orientation programme for Newly admitted student, Implementation of mentor mentee, Remedial and Bridge courses, Enrichment of research culture, AAA planning and execution, NAAC SSR preparation, Participation in ranking process, MIS Training programme for teaching and nonteaching faculties	All PGTD Department had organized Induction programme for Newly admitted students within one month of starting of session. 1. Mentor mentee scheme effectively implemented with distribution of mentor and mentee at the starting of session., 2. Remedial class an bridge courses scheme were executed for slow and advanced learner by identifying slow and advanced learner with department wise criteria. Seed money for research were alloted to potential reasearchers. For effective implementation, research proposal are invited and carefully shortlisted by scrutiny commiittee . The shortlisted project were recommended for presentation and selected to search out potential researcher for distribution of seed money. ,To perform Academic and Adminitrative Audit, expert committee of internal and external members are formed. Audit was performed in June,2020 with completion of academic session 2019 20. ,The University was due for NAACSSR IV cycle submission, in concern to that documentation process had been completed., The university had applied for NIRF ranking and scored all India level ranking between 150 200 MIS system has been developed and for effective implementation of MIS system, training programme was organized for teaching and nonteaching faculties.
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
IQAC commiittee	07-Apr-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	30-Sep-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	RTMNUMIS: WebLink: http://iqams.uniserv.co.in/dashboard.aspx Cloud based Management Information System software is designed and used effectively for collection of academic and coacademic activities required for different accreditation process on one platform. List of currently operational modulus in the MIS software is as follows: 1. Program: to collect information of different academic programs run by PGTD department of the university. 2. Students: Semesterwise admitted students information. 3. Staff: To collect Teaching and nonteaching faculties information with their designation, payscale etc. 4. Funding: Government, nongovernment funding received by various departments for different academic, coacademic activities. 5. Events: Curricular, cocurricular events organized by department 6. Ph.D awarded: to collect departmentwise Ph.D awarded list of students. 7. Publications: Research Publications list of departments. 8. Stockbook: Recurring and nonrecurring stock entries. 9. Campus appointment/recruitments: On campus or direct appointment of students 10. Students' training/internship: List of students doing training and internship. 11. Departmental infrastructure: 12. Research Project: to collect Research project fund of departmental faculties from different agencies.

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
MBA	MBA	Master of Business Management	09/06/2019
MEd	MEd	Master of Education	30/05/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
No Data Entered/Not Applicable !!!				
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	NIL	Nill
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MBA	Master of Business Management	09/06/2019
MEd	Master of Education	30/05/2019

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
No Data Entered/Not Applicable !!!		
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	No

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

Feedback Obtained

In Higher Education system, the internal quality assurance and external quality assurance is developed on the basis of feedback given by the stakeholders i.e. students, teachers, alumni employers and parents. Student's participation in the decision making process is vital for the growth of any Higher Education Institution. The effective student's feedback system ensures that the students must participate in various decision making processes. Their feedback are valuable to formulate the learning and teaching practices. The feedback comments are considered as the primary evidence on which the quality of curriculum, teaching and learning is evaluated. The Student Feedback Approach is basically about curriculum designing, processes and frameworks that take into account students concerns of the quality of the education they receive. The main emphasis is on to evaluate curriculum designing and its' application in the present environment, the report includes findings of the top tasks which candidates feel the most and least prepared in. The main objectives of the feedback system are as follows: • To provide the platform to the students in identifying a greater role in the teaching learning process • To help the faculty modification and improvement in the teaching methodology at the University • To develop a communication channel between the management and students. • To maintain the functioning of the University system in the field of teaching learning process, library, sports, administration, etc at its level best. RTMNU collect the feedback of students at the end of the even semester. To ensure participation of large number of students, the admit card of the examination is given after submission of the Feedback form certificate which is generated automatically after filling the online form by logging on the website with the help of their enrollment numbers. To facilitate the students we have multi facility centre having more than 80 computers for the students. Teachers Feedback Form: The responses of teachers give a guideline to the management to substantiate the needs of teachers to improve the teaching learning process. The inputs given by teachers improve the quality of designing the curriculum and reviewing it every year as per the needs of the economic, social and technical environment in the country. Alumni Feedback Form: The analysis of this form is a tool to improve the curriculum designing. Their feedback also helps the faculty to modify and improve the teaching methodology at the university level. Employer's feedback form: It provides a guideline to the academic bodies, who are responsible to frame and implement the curriculum for different disciplines. They are the guiding post to bring change in the syllabus. The analysis of these forms gives a bird's eye view how it is important to bring coordination between interdisciplinary subjects. For e.g. The role of economics in science faculty and role of computers in all the faculties like for English and Marathi for content and blog writing, for economics introduction of R programming, STATA software teaching etc. Thus the online responses are analysed by the committees set up by IQAC and then

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
No Data Entered/Not Applicable !!!				
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	205	3221	Nill	128	17

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	Numberof smart classrooms	E-resources and techniques used
128	128	10	97	97	Nill
View File of ICT Tools and resources					
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The Students Mentoring System (SMS) in RTM Nagpur University enables constructive interaction link between the students and mentor. The faculty mentor of each department plays a vital role by providing both professional and personal advice to their mentees. Currently, there are 128 permanent faculty mentors for 3221 mentees (1:25 ratio) within RTMNU. The RTMNU has integrated students mentoring wherein the faculty mentor provides assistance to the students in their professional and personal growth and development. Objectives of the Student Mentoring System in RTMNU are: • To emphasize on the development of students by providing personal counselling sessions with the students. • To provide equitable service to all the students irrespective of their background. • To identify the slow learners and advance learners within the departments. (These eventually make helps in arranging remedial learning mechanisms available to them throughout the academic session). • To reduces the drop-out rate of the students. • To coordinate with parents regarding the progress of their ward. • To allows continuous discussion and deliberations between the faculty and research scholars for successful and timely completion and incubation of mentee's research projects and research activities. • To provide a facility to the students to meet Mentors individually or in groups for counseling. • To make mentee aware about professional opportunities and collaborations. The Head of the Department, in the beginning of the academic session (till the students clears the final semester examination) allot the students as mentee to the faculty members as per the available students-faculty ratio. The mentor usually fixes a prescribe time during the working hours to provide guidance and counselling to these mentees within the premises of the department. The faculty mentors regularly report and discusses with the HoDs about the progress and development of their mentees. This helps in identifying the required solutions. Advantages of RTMNU's SMS: • It helps in identifying the strengths and weakness of the students. • It allows the mentor to know the academic and psychological needs of the students and guiding them accordingly. • It provides required orientation to the newly joined students and creates enthusiasm within students towards the course. • It helps in getting the feedback and eventually helps in the improvement of the SMS within the university. • It aids in building a disciplined atmosphere within the department as well as within the University. • It encourages the participation of students in the multi-skilled academic as well as extra-curricular activities. • It helps in customizing the remedial and bridge classes as per the needs and requirements of the students. • It develops friendly relationship between the faculty and students. The SMS with RTMNU is thoughtfully design and structured initiative, which allows the mentors to lay the foundation for the students to reach greater heights in their professional lives, and thereby establishes a unique

personal/ professional relationship between the students, faculties and the departments.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3426	128	1:27

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
248	128	120	Nill	128

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Shamrao Indersay Koreti	Professor	Inter National Travel Fellowship by India Council of Historical Research
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
337	3820	8.00

2.6 – Student Performance and Learning Outcomes

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

https://www.nagpuruniversity.ac.in/v2/Programe_Outcomes.php

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
No Data Entered/Not Applicable !!!					

2.7 – Student Satisfaction Survey

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

https://www.nagpuruniversity.ac.in/v2/IQAC.php

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr. Nishikant Ambadas Raut	International Travel grants to attend conference International travel grant to attend conference2019 AAPS Pharmsci 360,USA	20/02/2020	SCIENCE AND ENGINEERING RESEARCH BOARD
International	Dr Smita Acharya	International Travel grant to attend Conference Solid state Ionics-2019	13/11/2020	Science and Engineering board

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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
JRF	365	BANRF
JRF	365	CSMNRF
JRF	730	CSIR
Project Associate	365	UGC-DEA-CSR, Indore
JRF	120	ICMR
JRF	180	ICMR

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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	730	AICTE	16.4	16.4
Minor Projects	365	MATRU SEWA SANGH INSTITUTE OF SOCIAL WORK	2.4	2.4

Major Projects	730	UGC-DAE-CSR	4.26	2.13
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3.3 – Innovation Ecosystem

3.3.1 – 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
Two Day Workshop on Machine Learning and Deep Learning with MATLAB	Department of Electronics and computer Science	27/09/2019
One week workshop on Algorithms and Data Structures for Buisiness Data Science	Department of Electronics and computer Science	27/12/2019
Three Day Workshop on Programming in MATLAB	Department of Electronics and computer Science	05/01/2020
Two Day Workshop on Raspberry Pi based loT Devices	Department of Electronics and computer Science	14/03/2020
15 days Workshop cum Training on Experimental Animal, Instrument and software Handling Under co-curricular Programma 2019.	Department of Pharmaceutical Science	07/12/2019
Integrated Workshop on Ancient DNA and Reconstruction of the Past	Department of Pharmaceutical Science	24/12/2019
National Seminar on Research Techniques and Areas in Philosophy	Department of Philosophy	08/02/2020
Workshop on IPR- Patent procedure its legalities	Department of Law	01/02/2020
Workshop women Enterpreneurship development	Department of Business Management	16/10/2020
National Webinar Steps to unlock economies at local and global level	Department of Business Management	07/06/2020
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3.3.2 – 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
Vidarbha Ratna Award.	Prof. S.J. Dhoble	R.P. Samarth Smarak Samiti, Nagpur	16/06/2020	Teacher
International Scientist	Dr. Satish Jagannath	Second International	16/11/2019	Teacher

Awards on Engineering Science and Medicine	Sharma	Scientist Award on Engineering Science and Medic			
Advances in Physical,Chemical Mathematical Sciences	Dr. S.K. Atre	International Conference on Advances In Physical, Chemical and Mathematical Sciences, RTMNU	15/02/2020		Research Scholar
Advances in Physical,Chemical Mathematical Sciences	Anupama D. Sakhare	International Conference on Advances In Physical, Chemical and Mathematical Sciences, RTMNU	14/02/2020		Research Scholar
Green Energy for Sustainable Development 2020	Udaynarayan Singh S. Kushwaha	Government polytechnic Nagpur and Maharashtra State Coard Technical Education, Mumbai	28/02/2020		Research Scholar
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3.3.3 – 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
1	INCUBEIN Foundation	MSInS	Astatech Technologies pvt. ltd, Nsemble Technology pvt. ltd, Pashaan Technology	Robotics, Manufacturing, Aviation	25/09/2019
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Dept. of Linguistics, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	1
Dept. of Pali Prakrit, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	8
Dept. of Pharmaceutical Scienes, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	6

Dept. of Physics Rashtrasant Tuakdoji Maharaj Nagpur University Nagpur	14
Dept. of Political Science Rashtrasant Tukadoji Maharaj Nagpur University	5
Dept. of Sociology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	1
Dept. of Statistics Rashtrasant Tukadoji Maharaj Nagpur University	1
Dept. of Zoology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	2
Rajiv Gandhi Bio- Technology Centre Rashtrasant Tukadoji Maharaj Nagpur University	1
Rashtrasant Tukadoji Maharaj Nagpur Universities Dr. Ambedkar College of Law Nagpur	2
Dept. of Biochemistry Rashtrasant Tukadoji Maharaj Nagpur University	2
Dept. of Mathematics Rashtrasant Tukadoji Maharaj Nagpur University	1
Dept. of Pharmaceutical Sciences Rashtrasant Tukadoji Maharaj Nagpur University	2
Dept. of Psychology Rashtrasant Tukadoji Maharaj Nagpur University	1
Inter Institutional Computer Center, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	1
Dept. of Chemistry Rashtrasant Tukadoji Maharaj Nagpur University	3
Business Administration Buisiness Management, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	1
Centre for Sericulture Biological Pest Management Research Rashtrasant Tukadoji Maharaj Nagpur University	1
Dept. of Botany, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	6
Dept. of Education, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	4
Dept. of Library Information Science, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	4
Dept. of Mass Communication, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	3

Dept. of Ancient Indian History Culture Archaeology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	2
Dept. of Buisiness Management, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	2
Dept. of Commerce Management Rashtrasant Tukadoji Maharaj	3
Dept. of Economics Rashtrasant Tukadoji Maharaj Nagpur University	1
Dept. of English Rashtrasant Tukadoji Maharaj Nagpur University Nagpur	2
Dept. of Geology Rashtrasant Tukadoji Maharaj Nagpur University Nagpur	8
Dept. of Hindi Rashtrasant Tukadoji Maharaj Nagpur University Nagpur	3
Dept. of Hindi Rashtrasant Tukadoji Maharaj Nagpur University Nagpur	3
Dept. of Law Rashtrasant Tukadoji Maharaj Nagpur University Nagpur	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Deparment Of Library And Information Science	1	Nill
National	Department of Pharmaceutical Sciences	3	Nill
International	Department of Pharmaceutical Sciences	47	Nill
International	Department of Physics	145	Nill
National	Depatment Of Business Management	1	Nill
National	Department Of Botany	2	Nill
National	Department Of Chemistry	1	Nill
International	Department Of Chemistry	6	Nill
National	Department Of Geology	4	Nill
International	Department Of Geology	26	Nill
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Department of Electronics and Computer Science	3
Department of Geology	1
Department of Hindi	5
Department of History	2
Department of Pharmacy	1
Department of Philosophy	2
Department of Physics	3
Department of Public Administration	4
Department of Sociology	1
Department Of Travel and tourism	1
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Novel Apparatus for Assessment of Anger-Like Behavior in The Rodents	Published	20182101601	08/11/2019
Synthesis of EU(TTA) 3 Dmphen Hybrid Organic Complex	Published	201921032009 A	01/11/2019
Process for Synthesis of CE3CO-DOPED Basif6 Phosphor	Published	201921035528 A	01/11/2019
Automatic Microcontroller Based ICE Deerosting Instrument	Published	201921029249 A	25/10/2019
PROCESS FOR PREPARATION OF ANTIMICROBIAL NANOEMULSION	Published	201921020617 A	29/11/2019
System for Energy Harvesting	Published	202021006706 A	19/06/2020
AN Ultra Violet Sanitizer for PPE Kits, Pollice Uniform and clothes	Published	202011020691 A	26/06/2020
Fabrication of Extended voltage symmetric supercapacitor	Published	201921021273	19/05/2019

Device and method for fabricating same				

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3.4.5 – 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 !!!						

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3.4.6 – 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 !!!						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	**11**	**8**	**3**	**1**
Presented papers	**13**	**47**	**1**	**Nill**
Resource persons	**15**	**14**	**Nill**	**1**

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
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3.6 – Extension Activities

3.6.1 – 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/	Number of teachers	Number of students

collaborating agency	participated in such activities	participated in such activities
No Data Entered/Not Applicable !!!		
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3.6.2 – 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
NSS	Excellent District Team	SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY NANDED Dnyanteerth, VIshnupurl, Nanded 431606 Maharashtra State (INDIA)	500
Utkarsh State Level Socio- Cultural Competitions	Creative Dance	NSS, Ministry of Technical higher Education and Kaviyatri Bahinabai Chaudhary North Maharashtra University, Jalgaon	1
Utkarsh State Level Socio- Cultural Competitions	Treatre	NSS, Ministry of Technical higher Education and Kaviyatri Bahinabai Chaudhary North Maharashtra University, Jalgaon	1
Utkarsh State Level Socio- Cultural Competitions	Group Song	NSS, Ministry of Technical higher Education and Kaviyatri Bahinabai Chaudhary North Maharashtra University, Jalgaon	10
Utkarsh State Level Socio- Cultural Competitions	Indian Folk Art	NSS, Ministry of Technical higher Education and Kaviyatri Bahinabai Chaudhary North Maharashtra University, Jalgaon	1
Utkarsh State Level Socio- Cultural Competitions	Slogan writing Poster Competition	NSS, Ministry of Technical higher Education and Kaviyatri Bahinabai Chaudhary North Maharashtra University, Jalgaon	1
Utkarsh State Level Socio- Cultural	Music Competition	NSS, Ministry of Technical higher Education and	12

Competitions		Kaviyatri Bahinabai Chaudhary North Maharashtra University, Jalgaon	
Utkarsh State Level Socio-Cultural Competitions	Best Actor Award (Golden Girl	NSS, Ministry of Technical higher Education and Kaviyatri Bahinabai Chaudhary North Maharashtra University, Jalgaon	1
Utkarsh State Level Socio-Cultural Competitions	Best Winner team	NSS, Ministry of Technical higher Education and Kaviyatri Bahinabai Chaudhary North Maharashtra University, Jalgaon	100
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
No Data Entered/Not Applicable !!!				
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.7.2 – 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
Sharing of Research Facilities	Improved steady-state photoluminescence derived from the compensation of the charge-imbalance in Ca3Mg3(PO4)(4):Eu3	Taiyuan University of Technology, Coll Phys Optoelect, TAIYUAN, PEOPLES R CHINA,Email: huangxy04@126.com	01/12/2019	30/11/2020	Dr Sanjay Dhoble

		phosphor				
Sharing of Research Facilities	Novel highly luminescent double-perovskite Ca2GdSbO6:Eu3 red phosphors with high color purity for white LEDs: Synthesis, crystal structure, and photoluminescence properties	University of the Free State, Dept Phys, BLOEMFONTEIN, SOUTH AFRICA Email:koaolehlohonolo@gmail.com	01/06/2019	31/05/2020	Dr Sanjay Dhoble
Sharing of Research Facilities	Double perovskite Ca2LuTaO6:Eu3 red-emitting phosphors: Synthesis, structure and photoluminescence characteristics	Taiyuan Univ Technol, Coll Phys Optoelect, Taiyuan 030024, Shanxi, Peoples R China, Email:huangxy04@126.com	15/07/2020	29/12/2020	Dr Sanjay Dhoble
Research collaboration for fabrication of fuel cell	Exploration of Atomic Scale Changes during Oxygen Vacancy Dissociation Mechanism in Nanostructure Co-Doped Ceria: As Electrolytes for IT-SOFC	Naval Mat Res Lab, Ambernath 421506, Thane, India and Bhabha Atom Res Ctr, Atom Mol Phys Div, Mumbai 400085, Maharashtra, India, Email: saha275@yahoo.com	01/06/2019	31/07/2020	Dr Smita Acharya
Sharing of Research Facilities	An efficient online/offline ID-based short signature procedure using extended chaotic maps	Tainan Univ Technol, Dept Informat Management, 529 Zhongzheng Rd, Tainan 710, Taiwan	01/02/2019	31/12/2019	Dr C Masram

Enterprene urship Training and Research	Enterprene urship Training and Research	Maharashtra Cener Enterp reneurship Development (MECD)	01/10/2020	Nill	Nill

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Rajiv Gandhi Science Technology Commission	01/12/2019	Assistance for ST Application through University System	500
Zim Laboratories Limited Nagpur	15/01/2020	Interaction, Research Collaboration Student Internship ,Placement Help	250
Shri-Shail Herbs Pvt, Ltd., Nahgpur	15/01/2020	Interaction, Research Collaboration Student Internship ,Placement Help	250
Nitika Pharmaceutical Specialities Private Limited Nagpur	15/01/2020	Interaction, Research Collaboration Student Internship ,Placement Help	250
Aroma Herbs And Ayurvedic Industries Pvt. Ltd, nagpur	15/01/2020	Interaction, Research Collaboration Student Internship ,Placement Help	250
Vaipani Herbal Nagpur	15/12/2020	Interaction, Research Collaboration Student Internship ,Placement Help	250
Maharashtra Centre Enterpreneurship Development (MECD)	04/10/2020	Enterpreneurship Training and Research	500
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
4169	1608

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Nill

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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
ILMS-LIBSYS Ver 10 on RHEL 7.0 with LSmart RFID	Fully	Version 10	1996

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	18790	204	2127	28	20917	232
e-Books	904	11	137	18	1041	29
Journals	910	38	210	12	1120	50
e-Journals	16221	5	7030	Nill	23251	5
Weeding (hard & soft)	3018	13	Nill	Nill	3018	13

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

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

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	406	27	204	0	0	25	1	1024	11
Added	227	0	0	0	1	1	0	0	0
Total	633	27	204	0	1	26	1	1024	11

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

10240 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
Media Center	http://igams.uniserv.co.in/DocumentReader.aspx?docid=4737
Audio visual centre	http://igams.uniserv.co.in/DocumentReader.aspx?docid=4737
Lecture Capturing System (LCS)	http://igams.uniserv.co.in/DocumentReader.aspx?docid=4788
Mixing equipment and software for editing	http://igams.uniserv.co.in/DocumentReader.aspx?docid=4737

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
662	662	292	292

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)

The R T M Nagpur University has specific departments to maintain and utilize its physical, academic and support facilities. • The maintenance and upkeep of infrastructure facilities in the University is looked after by the Estate Officer. He/She monitors the housekeeping work of campus premises including office premises, classrooms, auditorium, quarters, hostels, etc. and also takes care of the campus beautification. • The maintenance of equipment like generator sets, general illumination, power distribution system, solar panels etc. and also maintenance of equipment for water pumping plants, sewage, etc., are undertaken as per the preventive maintenance schedules in accordance with guidelines provided by the equipment supplier. • Surveillance and CCTV cameras and other security equipment are maintened by IT department through the equipment providers. • Teaching aids such as LCD Projectors, PA systems, laptops, desktops, printers, Wi-Fi, etc., are maintained by respective

departments. • Firefighting equipment in various blocks, classrooms, laboratories, hostels, offices, etc., are maintained by engineering department. • University vehicles (viz. Cars, Tractors, Jeeps, Tempo, etc.) are maintained by the transport department of the University. Civil Electrical Maintenance: Executive Engineer of the University carries out the civil and electrical maintenance work, supported by his/her team of Assistant Engineer (Civil) and Jr. Engineer (Electrical). The civil and electrical maintenance of the entire campus is monitored and executed by the Executive Engineer. Laboratory Equipment: Equipment and machinery in various laboratories of the University and its departments are maintained by the Laboratory In-charge under advice of Head of Department. Inter Institutional Computer Centre receives support for computers, software and UPS maintenance from a Technical Cell, headed by Library Science Department. This provides integrated IT services for smooth running of IT related equipment and website upgradation of the University. Library: RTM Nagpur University's Knowledge Resource Centre is headed by a Director, who is supported by Dy. Librarian, Information Scientist, Assistant Librarian, Library Assistant and Library Attendants. All assistance for searching and lending of books and knowledge resources in the library is done by the concerned staff for facilitating students and employees. Health Centre: Health Centre of the University is headed by a Medical Officer, a pharmacist, a Clerk and other paramedical staff. Free medical treatment and free medicines are provided to students of the University. Requirements of University employees, sporting activities and emergency medical aid to students is provided, round the clock, through the Health Centre. Sports: The Sports Wing is headed by Students Welfare Department, which is supported by few Sub-Committees. Sports facility of all kind, including 400 Mt cinder track, play grounds for Khokho, Kabaddi, Volleyball, Handball, Football, Hockey and Cricket, indoor halls for Table Tennis,courts for Basketball and Tennis, international standard Badminton courts, Sports gallery around the sports pavilion, Basketball pavilion, flood lit courts, swimming pool and multipurpose gymnasium are shared among all desirous players from various departments of the University. Maintenance and repairs expenses are incurred and accounted for as per accounting code of Maharashtra Public Universities Act. Accordingly, maintenance and repairs expenses of less than Rs.5,000/- are

https://www.nagpuruniversity.ac.in/pdf/developmentplan.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	Student Aid	107	445500
Financial Support from Other Sources			
a) National	Government of India Post-Matric Scholarship OBC	1179	3339826
b)International	Nill	Nill	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved

Lecture on "Personality Development and Soft Skills"	02/09/2019	80	Dr Tarun Shrivasta, NIC, Nagpur
Two Day Workshop on Choosing the Right Direction in Life	12/02/2020	31	Mrs. Swati Naidu Marampudi, Wings Soft-Skill Training Institute, Nagpur, 9823178045 (Soft Skills)
Yoga activity and Sarvadharma Prayer	02/10/2019	50	P V Watkar, Head, P.G Dept of Gandhian Thought
Language Programme	01/07/2019	90	Department of English

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Nill	Nill	Nill	Nill	Nill

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

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

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					

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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
No Data Entered/Not Applicable !!!	
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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
No Data Entered/Not Applicable !!!		
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	35th National Youth Festival Amity UTSVA 2020 For Debate	National	Nill	1	Nill	Deepali V. Tekam
2020	35th National Youth Festival Amity UTSVA 2020 for Indian Classical Vocal	National	Nill	1	Nill	Hrishikesh P. Karmarkar
2020	35th National Youth Festival Amity UTSVA 2020 for skit	National	Nill	1	Nill	Mukesh Thakur
2020	35th National Youth Festival Amity UTSVA 2020 for Indian Classical Percussion	National	Nill	1	Nill	Ram Khadse
2020	35th National Youth Festival Amity	National	Nill	1	Nill	Roshni Palimkar

	UTSVA 2020 for Collage						

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

As per the Maharashtra Public University Act 2016, section 72(10) and Section 99 (10), formation of Student Council is compulsory before the 30th September of every Academic Calendar year. The University has an active Student Council which is constituted according to the provisions made in the MPU Act. The Student Council is a very active body of students, as can be gauged from the following functions it performs: Functions of Students Council: 1. To look after the welfare of students 2. To promote and coordinate the extracurricular activities of different students' associations and committees which are constituted at the university level, like Art Circle, Gymkhana Committee, Elocution and Debate Committee, Literary Committee, etc. 3. To promote democratic outlook, civic sense and spirit of oneness amongst students 4. To inculcate a sense of moral and humanitarian values and nationalism among students 5. To promote sense of belonging and commitment to betterment of society and State 6. To promote and maintain discipline among students on campus 7. To organize various activities for promoting cultural, social and personality development of the students 8. To proactively assist in resolving difficulties and grievances of the students within its jurisdiction 9. To suggest innovative ideas and schemes for students' welfare to respective competent authorities 10. To contribute in developing goodwill and perception about the University/ college/ institution in the society 11. To suggest to the administration of the University/college/institution about appropriate steps to be taken regarding discipline, security and safety issues of students 12. To suggest appropriate measures for elevating quality and excellence in education 13. To promote more participation of students in different events such as sports, culture and other outreach programmes 14. To strive for provision of the basic amenities and facilities to the students 15. To assist in the process of framing and implementation of different types of feedback mechanisms 16. To prepare the annual report of activities of the Student Council and submit the same to Principal/Director/Pro-Vice-Chancellor, as the case may be, with a copy to the Board of Students Development of the University 17. To perform such other functions and duties as may be assigned to it by the Principal/ Director/ Pro-Vice-Chancellor, as the case may be, from time to time. Role of Student Council in academic and administrative bodies: The Student Council is a vibrant body of students and plays a decisive role in a variety of matters of the University. There is direct representation of students on important bodies including the academic administrative bodies/committees of R.T.M Nagpur University. The elected President and Secretary of the Student Council become the ex-officio members of following statutory bodies of the university. 1. The Senate 2. The Management Council 3. The Board of Students' Development 4. The Board of Sports Physical Education 5. Students' Development Cell. 6. The Student Council is not only instrumental but plays a vital role in organizing Youth Festivals such as Indradhanushya, Avishkaar and Avhaan, which mobilises students from various colleges, institutions and departments of the University.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

RTM Nagpur University has a registered Alumni Association bearing Registration No. MH-692/14(N) dated 23rd August 2014. The University has a strong base of

Alumni and close link between the Alumni, staff and students. There is a wide list of RTMNU alumni who have given valuable contribution in Nation Building. Few of them are Late Justice Mohammad Hidayatullah, Former Vice-president of India, Late P V Narasimha Rao, Former Prime Minister of India, Shri Nitin Gadkari, Union Transport Minister, Dr Shekhar C Mande, Shanti Swaroop Bhatnagar Award winner, Director CSIR, Shri Sharad Arvind Bobde, 47th Chief Justice of India, Shri Devendra Fadnavis, Ex-chief Minister of Maharashtra and many more. Current Executive committee of RTM Nagpur University's Alumni Association: Sr No. Name of executive members Executive post 1 Shri Nitin Ronghe President 2 Dr A D Choudhary Vice-president 3 Shri Sudhir Palliwal General secretary 4 Shri Amjad M Khan Joint General Secretary 5 Shri Abhishek Agrawal Treasurer 6 Adv Chandragupta Samarth Ex Committee member 7 Dr Rajkumar Rathi Ex Committee member 8 Shri Sushil Fatepuriya Ex Committee member 9 Shri N V Subramaniam Ex Committee member 10 Shri Avinash Pendse Ex Committee member 11 Adv Sangeeta Mishra Ex Committee member The few notable contributions of Alumni through various means are: Alumni Mentorship: The university frequently invites the members of Alumni association for guest lectures and to share their work experience. As RTMNU alumni have a broad experience of working in various organizations across various fields of activities, they provide career guidance and help students to choose better field as per their career aspiration. They also help students by providing summer, winter internship project ensuring experiential learning of students. Alumni as Academic Advisory: Alumni feedback is taken to enrich the course curriculum as per the changing regional, social, national and international scenario. Their valuable suggestions help the University to develop the innovative syllabus and course curriculum for various programs. Monetary and Non-monetary Contribution: The Alumni Association actively provides monetary contribution for student welfare and renovation of laboratory and infrastructural facilities i.e. Auditorium renovation, ICT at class rooms, books for needy students etc. The Alumni regularly contribute to the development of university in various capacities. Alumni help to get official permissions to visit highly advanced government laboratories and industries for educational visit, which are not easily accessible for students and general public. Alumni meet: Every year university organizes Alumni meet to provide platform to share Alumni feelings and experiences with students, faculties, administrators of university.

5.4.2 – No. of registered Alumni:

3000

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

10540102

5.4.4 – Meetings/activities organized by Alumni Association :

2

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 concept of decentralization and participation has become important in the endeavour to improve effectiveness of the University and development of its students. The authorities of University comprises of the Senate, the Management Council, the Board of Deans, the Board of Sub-campuses of the university, the Boards of Studies, the Board of University Departments and Inter-disciplinary studies, the Board of Information Technology, the Board of National and International Linkages, the Board for Innovation, Incubation and Enterprise and

the Board of Research. These bodies comprise of members from various sections such as academic, non-academic, industry, profession, etc., and this depicts participation of various stakeholders of society. Decentralization: The decision levels of the University administration can be categorized as: 1. Academic Decisions – include curriculum restructuring, appointment of examiners/referees, revision of scheme of examination, policy for research, etc. 2. Administrative Decisions – include recruitment, training and promotions of teaching/ non-teaching staff, norms for regulating affiliated colleges, etc. 3. Policy Decisions – include framing various policies such as financial resource mobilization, promotion of research and innovation, development and maintenance of the physical and technical infrastructure, etc. The University undoubtedly practices a decentralized and participative mechanism for all these decisions. Various authorities/bodies set up under the purview of the MPU Act, 2016, in most cases, take decisions at the lowest level in hierarchy and then pass them up for evaluation by higher authorities for final approval. Case of Decentralization: The revision of curriculum of a particular subject is first decided by the Board of Studies for that subject. This decision is then recommended to the next higher authority in the hierarchy i.e. Faculty where the decision is evaluated and is then recommended to the highest authority i.e. Academic Council to evaluate and approve the revised curriculum. Participative Management RTM Nagpur University encourages involvement of all its stakeholders in the analysis of problems, development of strategies, and implementation of solutions related to academic, administrative and research matters. Accordingly, academicians, alumni, professionals from industry, representative from Government, representatives from other sections of society, expert individuals and students are invited to participate in decision making. Case of Participative Management Syllabus revision and implementation of Choice Based Credit System (CBCS), in 2015, can be considered as an example here. The stakeholders involved in the syllabus revision and introduction of CBCS pattern were: 1.Student representatives 2. Industry professionals 3. Research Experts 4. Representatives of RTM Nagpur University 5. Board of Studies 6. Faculties 7. Management Council On the basis of feedback and suggestions received from above stakeholders of RTM Nagpur University, the Board of Studies put forth its recommendation of introducing the CBCS pattern in various courses. The Faculties, after due consideration, recommended the introduction of CBCS pattern to the Academic Council. This has served the objective of staying updated on current trends and academic requirements of industry. Subsequently, on the resolutions passed by the Academic Council in its meeting, the Choice Based Credit System was implemented w.e.f. Academic Year 2016-17.

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

Yes

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 Admission in all the PG departments of RTMNU is done purely on the basis of merit along with the accurate application of reservation norms and polices given by the Government of India. The admission brochure (along with fees structure, number of seats, course code etc) for all courses is displayed well in advance on the website. Since 2017, RTMNU is successfully conducting

	Centralised Admission Process (CAP) which is completely online and students friendly process. The submission of forms documents, display of merit list and allotment of seats is done online. RTMNU website does have an exclusive admission portal which takes care of the PG admission process completely. University also assign various colleges (within its jurisdiction) and affiliated to it as facilitation centres, for helping the students in filing the form and choosing the college online.
Industry Interaction / Collaboration	The University has initiated systematic efforts to nurture its relationship with industry as a potential source of consultancy and project-based financial support. Industrial participation is expected for intellectual support by bringing cutting edge research oriented problems on the platter. Centre for Innovation, Incubation Linkages "RTMNU INCUBEIN Foundation" has been set up to promote innovative startups through the University ecosystem. It facilitates and hone ideas and innovations that are useful to the society and address some of the problems faced through development of product, process and services.
Human Resource Management	RTMNU considers HRM as one of its strategic and rational facet, thereby organises its intellectuals both individually as well as collectively right from the date of appointment till retirement. The Establishment Section of the university is consigned with employing/ recruiting human resource in the university as per the requirement. The General Administration (GA) Section does work towards managing the process of evaluation of skills, knowledge, capacities and capabilities of the human resource by applying the UGC CAS norms. The UGC-Human Resource Development Centre of RTMNU involves in professional development of faculty on a continuous basis by providing a platform through which faculty and officers can enrich their knowledge, imbibe healthy work culture practices and acquire information about new ideas, latest methodologies, process and techniques.
Library, ICT and Physical	The RTMNU have central library i.e.

Infrastructure / Instrumentation	Dr. V.B. Kolte Knowledge Resource Centre (Main Library) having a combination of carefully selected traditional as well as contemporary valuable books, reference books, journals, periodicals, magazines etc. The library is open from 10.00 a.m to 11.00 pm on all working days. Along with this, each department being the research centre is provided with in-house library for students/ research scholars Also, the Narshima Rao Digital Library (E-Library) of the RTM Nagpur University provides the online digital library facility to the research Scholars and students where they can access to the National Digital Library, OPAC, Online Research resources inclusive of journals, e-books, inflibnet, shodhganga etc.
Research and Development	Research is the core focus area for the University and several initiatives have been taken. In order to enhance the quality of research and development university has a strategy to strengthen the RD structure by way of promoting teachers and students to achieve higher goals and provides them necessary facilities, funds and infrastructure. During 2019-20 the university filed 7 patents, published 295 research papers as per web of science list, 50 articles in conference proceedings and 17 books and teachers brought laurel in different fields. University teachers received 3 prestigious international fellowships and established 10 coveted research collaboration and linkages. The average number of publications per teacher during 2019-20 was 2.30.
Examination and Evaluation	To handle examination and evaluation related issues smoothly in covid-19 pandemic situation, the university departments have followed a continuous internal evaluation process and online mid-semester examination is performed. In this model, topic-wise test, case study, presentation, quiz, are methods of regular assessment. The teacher has freedom to choose any method depending on the subject taught. The end semester evaluation is conducted as online written test. Students are also assessed on the on-practical training received. Online examination and evaluation has been successfully completed using secure platforms.

	Results are declared within 30 days after completion of exams.
Teaching and Learning	Covid-19 situation has forced online and ICT enabled teaching-learning processes. Every department on the campus has availability of ICT equipped Classrooms. The entire campus is Wi-Fi enabled. Authorized Cisco-Webex online teaching platform link is provided to every department to conduct online classes. The university departments follow a Choice based credit system (CBCS). Teaching, learning and evaluation are conducted through moodle. E-Learning Material is available on the University website. A state of the art studio is available for the faculty for E-Content development.
Curriculum Development	In curriculum development, teachers are given full freedom to introduce the subject, design syllabus by including latest development in the field. The university follows systematic process to introduce and implement curriculum. Demand-supply gap at regional and national level, future trends of employment entrepreneurship opportunities are identified and considered. The members of board of studies, includes teachers, experts from industry design the curriculum. The emphasis is given on fundamental concepts, recent advances and specific practical skills. A draft is uploaded on the university website to invite suggestions from all the stakeholders. The syllabus rigorously peer-reviewed by eminent experts before placed in Academic Council for final approval.

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

E-governace area	Details
Planning and Development	The planning and development section of the university is involved in promotion of various activities like quality improvement programs in the campus departments as well as affiliated colleges. An online system of application for QIP has been developed to increase transparency and speed of funds disbursement. The management information system (QIMIS) is in force at every level of administration and academic departments. All the teachers' information, students' information,

	funding related information, store related information, publication details of individual faculties and other related information is being accumulated at the MIS portal. The beneficiaries of this system submit their reports, and documents online.
Administration	In administration, separate software is maintained at college section of the university. All the processes related to affiliation of colleges right from first affiliation, continuations of affiliation to establishment of center for higher education are done online. All the teachers' promotion proposals, Local Inspection Committees appointments are also done online through software. All the affiliated colleges have facilities of online application for all their needs and even payments of fees online. All the committees report and documents are also accepted on online portal of college section.
Finance and Accounts	The Finance and Accounts Department is committed to rendering prompt, reliable and consistent service pertaining statutory and regulatory requirements. The finance Department activities are all online maintain e-governance. Staff members' roll, their salaries and all the other remunerations of routine activities are made through online portals directly to the beneficiaries' account. The finance and accounts department maintains their individual software through a private vendor which keeps the process updated and takes care of timely payments. The accounts and income section accepts all types of digital payments so that students need not come to counter for payments of any of their needs.
Student Admission and Support	All the PG degree admissions are processed online. Not only University's Department but also all the affiliated colleges' PG degree admissions are processed completely online right from the application to final admission of the student. Usually, after the advertisement in news papers and website students have to create their online registered profile on University admission portal through which they get complete guidance about admission at their place. Their documents are verified at several verification

Examination	A major portion of examination cell follows e-governance. Students can apply online wherein they can pay the requisite fees online. Apart from this the question papers are also delivered online at the examination centers 90 mins before the examination. This way question paper delivery becomes more safe and cost effective. Moreover, internals marks are compiled online through the registered gateway of individual institutes. This way the processing of results become very fast. Moreover, onscreen valuation of the major examinations of undergraduate and technical courses has made the result declaration task within comfortable reach which otherwise was a challenge to the bigger University like us.

(continued from previous: centers which are created at various places in the jurisdiction of the University for the convenience of students. Students have to complete this process only once and after that all the process is completely online through various rounds of admissions.)

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
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the University 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)
No Data Entered/Not Applicable !!!						
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration

No Data Entered/Not Applicable !!!

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

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

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
(a) Medical, Death Rs 50,000, (b) Medical Advance of Rs 7,50,000	Food grain advance of Rs 10,000 without interest, Medical emergency loan Rs 1 lac	a) Medical Aid, (b) Student aid scholarship (c) Bus Pass, (d) Relaxation in Examination Fee to ward of Farmer committed suicide

6.4 – Financial Management and Resource Mobilization

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

The University has a mechanism for internal and external audit in place. It has a full-time Finance and Accounts Officer, Accounts Officer, Deputy Registrar, Assistant Registrar assisted by several senior and junior assistants, along with dedicated audit section to verify and certify the entire income and expenditure and the capital expenditure of the University, every year. Finance and Accounts Department reviews each element of University's accounting system in accordance with internal control policies of account code. Periodic internal and external financial audits are carried out for improving financial Governance and management control. The University has its own internal audit mechanism where internal audit is an ongoing process. Qualified Internal Auditors from external resources have been permanently appointed and a team of staff under them do a thorough check and verification of all vouchers of transactions that are carried out in each financial year. Likewise, an external audit is also carried out on an elaborate and quarterly basis. So far there have been no major findings/ objections of great concern. Minor errors of omissions and commissions, when pointed out by the audit team, are immediately rectified and precautionary measures taken to avoid recurrence of such errors in future. The following agencies conduct regular financial audit at RTM Nagpur University, Nagpur: Internal Audit: 1.Work of internal audit of the University has been entrusted to the Internal Auditor of the University. The Audit section of the University headed by Deputy Registrar-Finance performs the work of pre-audit. He also pre-checks salary fixations, pension and gratuity payments and final payments of general provident fund (GPF). 2.Accountant General (AG), Nagpur, conducts statutory audit covering all financial and accounting activities of the University. This includes scrutiny of the following: a. All receipts from fee, donations, grants, contributions, interest earned and returns on investments. b. All payments to staff, vendors, contractors, students and other service providers. External Audit: External Audit is conducted by the following: (a) CAG through Auditor General (AG), Nagpur. (b) Chartered Accountant (CA) of RTM Nagpur University, Nagpur. All observations/objections of AG are communicated through their audit reports. These objections are examined by separate committees of the University, duly constituted by Hon'ble Vice Chancellor, for finalizing compliance report of the University. AG's audit for the previous years have been completed and replies are submitted to their satisfaction. It is pointed out that no serious objection/irregularity is outstanding. Thematic audit by AG, Nagpur, for the

years 2012 to 2017 have been completed and no Draft Para has ever been issued against the University by AG, till date. Chartered Accountant of the University conducts regular 'accounts audit' and certifies its Annual Financial Statements and Concurrent/Post audit of all receipts and payments. All utilization certificates to various grant giving agencies are also countersigned by the CA. All financial statements upto year 2018-19 have been certified by the CA.

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
Indian Council of Social Science Research	3.2	Social Science survey

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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

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

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

The University promotes autonomy to the affiliated colleges by encouraging and convincing them about benefits of autonomy as: (1) Provide Syllabus upgradation flexibility to make it skill oriented. (2) Orient and retrain teachers by regularly organizing workshops, seminars and conferences. (5) Reformation of examinations

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

Informal connection with parents are always occurred in almost all department. Few departments organize formal Parent Teacher meets once in a year. The recent and upcoming activities of department are communicated to parents. The parents visit the departments and met teachers in case they have any concern or issue that needs to be addressed.

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

Skill development training, computer Training Program, Spoken English, Communication Skill and Development program are regularly organized as well as supports further education of Staff members in the University.

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

(1) Development of Infrastructure for e-content set up like Studio and recording. (2) To setup more Innovation, incubation and linkages Center by motivating concern faculties for patent and develop start-up plant. (3) Initiate internal teaching, learning and evaluation through moodle.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes

b)Participation in NIRF	Yes
c)ISO certification	Nill
d)NBA or any other quality audit	Nill

6.5.7 – 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
2020	NAAC-SSR-DVV submission	18/12/2020	18/06/2019	17/12/2020	46
2019	NIRF	15/12/2019	01/06/2019	31/05/2020	46
2020	Academic and Administrative Audit	02/05/2020	01/06/2019	31/05/2020	46
2020	WORKSHOP ON IPR-PATENT PROCEDURE ITS LEGALITIES	02/06/2020	02/06/2020	02/06/2020	250
2020	Two Day National Seminar (NAAC)	12/07/2020	12/07/2020	12/07/2020	47
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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
Gender studies and sensitization	09/12/2019	14/12/2019	34	15
Gender Discrimination in India	10/02/2020	10/02/2020	53	96
Two Days Film Festival SAMBHAV on gender equality	02/02/2020	03/02/2020	82	42
Awareness about sexual abuse among school children	10/07/2019	10/07/2019	200	100
Women Empowerment	31/01/2020	31/01/2020	90	60
WOMEN	16/10/2019	16/10/2019	33	18

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
University has conducted various environmental awareness activities such as tree plantation, Water Harvesting System, Solid waste management systems, Vermi-compost system, promoting use of cycles, Energy Efficient Lighting, bioremediation and other related activities. Solar panels were installed on the terrace/roof of various departments of University. All street and corridors lamp in the university campus are connected with Day-night autosensors for automatic on-off, so wastage of electricity is strictly controlled. The Department of Pharmacy and ancient History has conducted a Green/ Environmental/Energy Audit of the RTMNU campus. The audit report giving the present Environmental Status with recommendations for Environment conservation and energy was shared with the University Authorities. The Green Awareness program for various departments on the RTMNU campus was conducted. Very recently the University have received grant of Rs 5.00 crore from RUSA for for solar energy creation. RTMNU has initiated tradition of distribution of saplings of herbal species like Tulsi, Gilroy etc of plant in place of floral bouquet for differ program of the university. University has taken action to strictly ban single use plastic in the campus. Install vermi-compost plants in different places inside the campus, Canteen, Mess etc.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Nill	51
Provision for lift	Nill	3500
Ramp/Rails	Nill	200
Braille Software/facilities	Nill	25
Scribes for examination	Nill	20

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva ntages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	9	8	05/09/2 019	1	Teacher Day	Current Challenge s of teachers	250
2019	9	8	21/09/2 019	1	Maulana Abdul Karim Parekh Smruti Vy khynmala	Contrib ution of Abdul Karim in religious integrity	100
2019	9	8	26/11/2 019	1	Savidhan Day	Respons ibility being	300

							Indian	
2019	9	8	10/12/2019	1	Human Right Day	Changing dimensions of Human Rights		100
2020	9	8	12/01/2020	2	Swami vivekanandas Birth Anniversary (youth day)	Youth Responsibility		237
2020	9	8	19/02/2020	1	Chatrapati Shivaji Maharaj 388th Jayanti	Administration lesson from Chatrapati Shivaji Maharaj		150
2020	9	8	28/02/2020	1	National science Day	Contribution of women in Science		150
2020	9	8	14/04/2020	1	Dr. Babasaheb Ambedkar Jayanti 129	Leadership of Dr Babasaheb		200
2020	9	8	21/06/2020	1	International yoga din	Fit India		200

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

Title	Date of publication	Follow up(max 100 words)
CODE OF ETHICS	03/10/2020	University has given set of guidelines to maintain integrity in research. It is applied to whole research activities conducted in RTMNU platform i.e. Ph.D research, research proposal for funding, defining research questions and allocating resources for research, conducting research, data collection, storage and retrieval interpretation, sharing of data and result presenting and publishing of results

			training and mentoring of students and contributing to the professional community. Research misconduct is defined as fabrication, falsification, or plagiarism, including misrepresentation of credentials, in proposing, performing, or reviewing research, or in reporting research results. It does not include honest error or differences of opinion. Misconduct as defined above is viewed as a serious professional deviation that is subject to sanctions imposed both by the University, by many professional associations, and, in the case of research proposed to or funded by government and non-government agencies.
ETHICAL CONCERN IN RESEARCH	03/10/2020		Plagiarism: Every thesis submitted for degree program (Masters, M.Phil or PhD) is scanned through a Authorized Urkund plagiarism Checkers software. The publications and project proposals written by students and faculty are also scrutinized for plagiarism and proposals not complying with the UGC guidelines are rejected. All stakeholders are required to submit a undersign statement mentioning their awareness of the plagiarism policy of the University and no part of their work be it assignment, term paper, project report, thesis or dissertation etc is not copied in any form and it is their own creation.
1. OBLIGATIONS IN USE LABORATORY ANIMAL IN	03/12/2020		• Research subjects – human, animal – should be

RESEARCH:		handled with respect and care. The health, safety or welfare of a community or collaborators should not be compromised. Researchers should be sensitive to their research subjects. Protocols that govern research into human subjects must not be violated. Animals should be used in research only after alternative approaches have proved inadequate. The expected benefits of such research must outweigh the harm or distress inflicted on an animal. • Investigators who use laboratory animals are obliged to follow procedures so as to minimize animal pain, suffering, and distress and to use no more animals than absolutely necessary. • Wherever possible, alternative protocols which do not require the use of animals should be considered, and if practicable, adopted. • Written approval must be obtained from the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), Govenment of India prior to the initiation of any research or teaching that requires the use of animals.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

(1) Energy Efficient Lighting by connecting Day-night auto Sensors, (2) Solar Energy, (Established Solar Photovoltaic Power Plant), (3) Water Harvesting in most of the building of the university, (4) Promotion of use of cycles inside the campus. (5) Recycling of Paper, (6) Plastic Free Campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

7.2.1 Best Practice - I 1. Title: Internalization and dissemination of ICT based delivery, assessment and resources sharing. 2. Objective of the Practice: Use of ICT enabler tool like Moodle is always desired but the members of faculty are reluctant to use it. The teachers belonging to rural background suggest the limited resources and know how big challenge in implementation. Dissemination of Moodle and MOOCs as a teaching, learning and evaluation tool among faculty members was the main objective behind this practice. The university decided to train the teachers during orientation and refresher programs organized by HRDC. The target was to use HRDC platform for providing hands on experiential learning opportunity to participating teachers such that perceived ease of use and usefulness of tools are enhanced as per Technology Acceptance Model. The secondary objectives were to bring-in ICT component and novelty to otherwise traditional refresher and orientation courses. In short, the practice wanted to make teachers and students across region and country to make use of Moodle and MOOCs as an important element in overall curriculum execution including continuous evaluation. 1. The Practice In view of the inherent reluctance of teachers in accepting and effectively using the ICT tools in teaching learning-evaluation processes, a separate program targeted at Moodle and MOOCs would have easily made them disinterested in it. So, it was decided to make Moodle as a platform for conducting the refresher and orientation programs. This was expected to give them actual hands on practice on the capacities of the tool, its application in their institutions and confidence to use it with their students. It was also thought that Moodle will be used as the beginning step and once they are comfortable, picking the fast learners amongst them to propagate MOOCs in the capacity of Swayam Mentors. Thus, the HRDC platform was efficiently used to identify the resource persons responsible for taking the tools to the last mile learner. The biggest challenge was to convince the users that the Moodle system is feasible and adaptable. The HRDC programs are planned such that each participant gets information, makes own Moodle site, gets resources, understands course assessment and experiences peer learning on the new platform. Instead of learning Moodle, the participants learn their domain topics on new platform and in new environment. Since the entry to platform is compulsory, the trainers and facilitators at HRDC make it sure that the user is made comfortable in using the tool and looks forward to making Moodle the part of their teaching and evaluation plan at their respective institutions. 2. Strategies adopted by the University: The core team of Moodle trainers (HRDC Full Time faculty members) are given proper training. The programs are announced to be conducted using Moodle. The course coordinators communicate and motivate participation from Rural participants to ensure outreach expansion. To ensure effective training, the participants are asked to bring in laptops wherever possible. The participants are provided constant guidance/support even after completion of their program. Besides making faculty members aware about the use of MOODLE and MOOCs through Orientation and Refresher Programs at UGC-HRDC, the University also adopted a strategy of conducting 'MOOCs Awareness Programs' at various PGTDs and affiliated colleges of the University. This was primarily to expand the outreach of the drive as many senior teachers have already had completed their Orientation/Refresher programs and many junior teachers are either not eligible yet for the same or do not get selected for the same on account of limited seats. Many unaided institutes offering professional programs do not nominate their teachers for orientation/refresher programs. Hence, the strategy for conducting workshops at their location was adopted which yielded the desired results. In the recent years, the University has started taking this practice to the next level by making MOOCs a compulsory component of the program and allowing credit transfer. This has started in 2019-20 by

implementing it in MBA program and is underway in the revised curriculum for BE and few PG program. 3. Evidence of Success The practice of internalization and dissemination of ICT based delivery, assessment and resource sharing has yielded the desired results in recent past. The teachers of various affiliated colleges have been made aware of these tools and were trained to implement them using internal resources only. The University did not have to involve any external resources for the same. It is evident from the feedback that many teachers have started using MOODLE and are now encouraging students to take MOOCs for value added learning. Some important numbers in this regard are produced here: Sr. No. Particular 2019-20 2. Total number of Courses in which MOODLE was taught 11 3. Number of Institutions implementing MOODLE 15 4. Number of Teachers implementing MOODLE based Teaching, Evaluation and resource sharing 56 5 Feedback and reactions from students and teachers regarding MOODLE 63.3 6 Number of SWAYAM Mentors 58 7. Number of Awareness Programmes Conducted by Swayam corrdinator and Mentors 25 8. Number of students undertaking SWAYAM/MOOCs 300 6. Problems Encountered and Resources Required Few of the most common still important problems faced while executing this practice can be mentioned as: • Creation of Moodle and MOOC expert team for program planning and execution. • Orientation of domain specific resource persons, their time and attention. • Preparation of Moodle suitable academic resources and assessment questions. • Lack of or low initiative from experienced but non tech savvy teachers • Perceived scarcity of resources at participant's institution. • The Resources required for this practice are both intellectual and technology infrastructure level. • The support team of teachers is also required who can use the platform and train others on the platform. • The training hall must be equipped with internet ready computer systems. Trainees must have a smart phone for place independent usage of platform. Best Practice – II 1.Title of the Practice: Seeding the culture of Research 2. Objectives of the Practice: Research is one of the most important activities to be carried out by any University. The RTMNU has pioneered the concept of developing research culture amongst its faculty members and students by providing seed money from the funds of the University. As there are many constraints on getting funds for research from out-side sources. The practice of providing seed money to teachers for research aims at – 1. Engaging teachers and students to unearth research and consultancy opportunities by providing them financial assistance. 2. Tapping the opportunities to connect local resources, methods, people and organizations to external world via university platform. 3. Promoting and encouraging the extensive value based research practices useful for societal purposes. 4. Nurturing the research culture in the University and overcoming the hurdle of funding for junior teachers. 5. Enriching the research publication tradition of the University by providing financial assistance. 1. The Context: Funding has always been experienced as a major constraint in research activities of any University. There are many teachers whose research proposals could not be accommodated by funding agencies on account of either non-availability of funds or the research proposals being in the context of local problems. Such researchers are deprived of opportunities and the research problems of local context remain unattended. In order to resolve this deadlock, the University floated this scheme of funding the research by junior teachers and the preference is given to the research proposals having local territorial significance. In order to ensure financial sustainability of the scheme, the University has decided to make a budgetary provision of minimum Rs. 1 Crore every year for this scheme. The prudential use of such a provision for the said purpose is ensured through the rigorous screening of research proposals. Moreover, the stringent norms for scrutiny of bills and invoices towards utilization of seed money ensures the effective use of this scheme. A cap of Rs 3.00 lakhs for proposals from science and technology and Rs. 2.50 lakhs for other proposals has been put on funding individual research projects. 1.The Practice: The University has successfully institutionalized this practice with

a well-defined mechanism and lying down standard norms and procedures for sanctioning and disbursing this 'Seed Money' to researchers. a) The University Development Section has been assigned the job of inviting application every year from the intending faculty members. This is done at the beginning of every academic session. b) The proposals such submitted, are primarily scrutinized by the administration to ensure that every applicant is eligible for the grant and has complied with submission of all requisite documents along with the research proposal. c) The shortlisted proposals are then placed before the 'Screening Committee' constituted by the Hon'ble Vice-Chancellor constituted for the said purpose. This committee has senior faculty members/researchers representing various faculty/subject of studies having a notable research experience. The function of this committee is both to screen and approve the research proposals submitted by the faculty members and also to monitor the progress made by the researcher and to ensure proper utilization of the funds. This committee scrutinizes the proposals on various technical/academic parameters and shortlist

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.nagpuruniversity.ac.in/v2/IQAC.php

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

Effective conduct of examinations is one of the most important and critical front end operations of any University as it deals with the students who are the most important stakeholder of the University. Convenience of stakeholders viz. students, teachers and University staff is one of the most important priority of RTMNU. The University has been facing many problems in conduct of examinations as the geographical area of University is widespread among four districts and a large number of examinations across disciplines are required to be conducted twice a year. The examination system has been facing many issues such as logistical concerns, security and confidentiality, environmental concerns, etc. As a one go solution to these problems, the R T M Nagpur University has introduced an 'Online Question Paper Delivery' which is henceforth referred as OQPD which is distinctive in nature with regard to the priorities or thrust areas of the University. Online Question Paper Delivery At RTMNU, in every semester around 6000 question papers are required to set, moderate, print distribute over 170 examination centres by road transport. Out of these 170 exam centres, 32 centres are outside Nagpur, some of which are even at 170 km away from the distribution centre. Every semester, around 3.5 to 4.0 lakh students appear for 963 examinations. The management of this system requires work force of around 1200 personnel. Apart from this, following additional risk is involved in the manual delivery of Question Papers, namely: Transportation risk, mishandling of Question Paper bundles while opening them at centres, risk of Question Paper leakage, risk of malpractice, safety security of Question Papers at examination centres, logistic cost for Question Paper printing to delivery, etc. In view of all these problems, at RTMNU, an Innovative and very distinctive step was very necessary. Therefore, the Online Question Paper Delivery (OQPD) system was introduced for the first time at RTMNU, among any other state University, in Maharashtra. The objective of the (OQPD) system is to take care of the all the problems stated above. Implementation of OQPD system was although innovative but posed many challenges for its effective implementation. The major issue was to make available the reliable, safe and robust online delivery mechanism along with all the necessary IT facilities at respective exam centres. Initially, officers at examination centres were also reluctant due to lack of confidence in

technological implementation of OQPD system. In spite of all challenges, RTMNU examination division was firm and confident enough to implement the same, because once the examination centres are well equipped with all the IT facilities including Internet, it was going to be one of the best unique feature that could answer almost all the problems faced in manual Question Paper delivery. Initially, in W-2015, a trial attempt has been made only for Engineering examinations. This was due to the fact that almost all Engineering colleges and concerned examination centres were having at least basic minimum IT facilities required for OQPD system. This attempt was a great success

Provide the weblink of the institution
https://www.nagpuruniversity.ac.in/pdf/Institutional_Distinctiveness_060620.pdf

8.Future Plans of Actions for Next Academic Year

1. Strengthening of incubation center, 2. Redesigning of website 3. To improve output and quality of teaching and research by creation of self-funded positions at two levels. Distinguished professors and Emeritus professors will be appointed to bring academicians with experience and repute to campus. 4. To identify core research areas and focus more on innovation and development of intellectual property in the form patents and products. 5. A Moodle-based learning management system will be implemented in all departments from next semester. 6. To upgrade the sports facilities available on campus. 7. To update studios on campus which will be utilized to develop E-content of some value added courses.