|| अंतरी पेटवू ज्ञानज्योत ||

NORTH MAHARASHTRA UNIVERSITY, JALGAON (M.S.) INDIA

ANNUAL QUALITY ASSURANCE REPORT FOR THE YEAR 2016-17

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL, BANGALORE

|| अंतरी पेटवू ज्ञानज्योत ||

NORTH MAHARASHTRA UNIVERSITY, JALGAON

Annual Quality Assurance Report (AQAR) of the IQAC for the period of July 1, 2016 to June 30, 2017

Part – A

1. Details of the Institution

1.1 Name of the Institution

> North Maharashtra University

1.2 Address Line 1

> Umavi Nagar

Address Line 2

> P.B. No. 80

City/Town

> JALGAON

State

> Maharashtra

Pin Code

> 425001

Institution e-mail address

> mahulikarpp@rediffmail.com

Contact Nos.

> (0257)2257221, 2257222

Name of the Head of the Institution:

> Prof. Pradip P. Patil

Tel. No. with STD Code:

> (0257) 2258201

Mobile:

> 9423185071

Name of the IQAC Co-ordinator:

> Prof. S.T. Ingle

Mobile:

> 9421566793

IQAC e-mail address:

> sopan.ingle@gmail.com

1.3 NAAC Track ID *(For ex. MHCOGN 18879)*

> MHUNGN10022

1.4 NAAC Executive Committee No. & Date:

> EC-47/RAR/17 dated 29 January, 2009

1.5 Website address:

www.nmu.ac.in

Web-link of the AQAR:

http://nmu.ac.in/Portals/0/IQAC/AQAReport2016-17.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	Four Star	-	2001	2009
2	2nd Cycle	B	2.88	2009	2014
3	3rd Cycle	A	3.11	2015	2020

1.7 Date of Establishment of IQAC:

09.05.2006

1.8 AQAR for the year

2016-17

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC.

    i.   AQAR - 2008-09 : 08/06/2010
    ii.   AQAR – 2009-10 : 07/07/2011
    iii.   AQAR – 2010-11 : 22/08/2012
    iv.   AQAR – 2011-12 : 24/12/2012
    v.   AQAR – 2012-13 : 24/12/2013
    vi.   AQAR – 2013-14 : 11/02/2014
    vii.   AQAR – 2014-15 : 02/02/2016
    viii.   AQAR – 2015-16 : 01/04/2017

1.10 Institutional Status

University   State ✓   Central ☐   Deemed ☐   Private ☐

Regulatory Agency approved Institution   Yes ✓   No ☐
(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education ✓   Men ☐   Women ☐

        Urban ☐   Rural ✓   Tribal ☐

Financial Status Grant-in-aid ✓   UGC 2(f) ✓ UGC 12B ✓

        Grant-in-aid + Self Financing ✓   Totally Self-financing -

1.11 Type of Faculty/Programme

Arts ✓   Science ✓   Commerce ✓   Law ✓   PEI (Phys Edu) ✓

TEI (Edu) ✓   Engineering ✓   Health Science ✓   Management ✓

Others   (Specify)   Mental, Moral and Social Sciences; Fine Arts

1.12 Name of the Affiliating University *(for the Colleges)*   Not Applicable

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University	State Govt.

University with Potential for Excellence	-	UGC-CPE	-
DST Star Scheme	-	UGC-CE	-
UGC-Special Assistance Programme	✓	DST-FIST	✓
UGC-Innovative PG programmes	✓	World Bank- MHRD-TEQIP	✓
UGC-COP Programmes	-		

2. IQAC Composition and Activities

2.1 No. of Teachers	06
2.2 No. of Administrative/Technical staff	08
2.3 No. of students	01
2.4 No. of Management representatives	-
2.5 No. of Alumni	01
2.6 No. of any other stakeholder and Community representatives	03
2.7 No. of Employers/ Industrialists	02
2.8 No. of other External Experts	-
2.9 Total No. of members	21

2.10 No. of IQAC meetings held   03
02/11/2016
04/11/2016
02/02/2017

2.11 No. of meetings with various stakeholders: No. | - | Faculty | - |

Non-Teaching Staff | - | Alumni | - | Others | - |

2.12 Has IQAC received any funding from UGC during the year? Yes | ✓ | No | |

If yes, mention the amount   Rs.4.50 lacs

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/Workshops/Symposia organized by the IQAC.

Total Nos. | - | International | - | National | -- | State | - | Institution Level | - |

(ii) Themes | - |

2.14 Significant Activities and contributions made by IQAC:

The significant contributions made by IQAC to institutionalize quality assurance strategies and processes are highlighted below:

i. IQAC has been monitoring the problems encountered in the choice based credit system to promote inter-disciplinary skill amongst students.
ii. IQAC coordinated the formulation and implementation of 10 point scale as per UGC Notification at University Schools/Institute.
iii. IQAC is instrumental in the sensitization of all stake holders towards quality sustenance.
iv. IQAC supported Central Training and Placement Cell (CTPC) in promoting the campus recruitment programmers for placement of final year students in different reputed industries, soft skill development activities and industrial training of pre-final year students.
v. The IQAC has taken initiative to conduct result analysis for the previous examination.
vi. The IQAC encouraged the Schools/Institute to obtain feedback from students, alumni, parents and industry experts on various academic aspects.

2.15 Plan of Action by IQAC/Outcome:

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

Plan of Action	Achievements
To develop collaborative linkages with overseas Universities/institutes, National Organizations and Industries for teaching and research.	Accordingly, 04 MoUs/ **linkages** have been signed by University during the assessment year, 2016-17.
Monitoring and effective implementation of **Choice Based Credit System.**	The Choice Based Credit System has been Effectively implemented so as promote inter-disciplinary skill amongst students.
Strengthening the ICT.	Digital Knowledge Centre in the library has been promoted to give better access e-Resources, e-Books and such other research and academic facilities.
Formulation and implementation of academic calendar	The IQAC at its best tried to implement the action plan as formulated in the form of academic calendar.
Promotion of examination reforms	The analysis of "Multiple choice question" is conducted by IQAC.
Buildings	The buildings under construction are completed during the assessment year.

2.15 Whether the AQAR was placed in statutory body   Yes   No

Management ☑   Senate -   Academic Council ☑   -

Provide the details of the action taken.

The contents of AQAR will be placed for approval of Management Council.

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Part – B

Criterion – I

1.   Curricular Aspects

1.1   Details about Academic Programmes:

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
Ph.D.	37	-	-	-
PG	62	-	15	13
UG	11	-	04	05
Diploma	01	-	-	01
Certificate	03	01	-	01
Other (Integrated Master)	01	-	01	01
Total	115	01	20	21
Interdisciplinary	12	-	09	12
Innovative	03	-	-	02

1.2   (i)   Flexibility of the Curriculum: CBCS/Elective option

(ii)   Pattern of programmes:

Pattern	Number of programmes
Semester	74
Trimester	-
Annual	-

1.3   Feedback from stakeholders* Alumni ✔ Parents ✔ Employers ✔ Students ✔
(On all aspects)

Mode of feedback   :   Online ✔   Manual ✔ Co-operating schools (for PEI) -

Please provide an analysis of the feedback in the Annexure. **Annexure-I*

1.4   Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

1.   Science and Technology   -   45
2.   Commerce and Management   -   11
3.   Humanities   -   40
4.   Inter- disciplinary   -   24

1.5   Any new Department/Centre introduced during the year. If yes, give details.
     Nil

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Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
93	59	24	10	Asstt.Prof.Govt. Cont-15 Library Staff - 05

2.2 No. of permanent faculty with Ph.D.

82

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the Year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
0	7	0	4	0	5	0	16	0	32

2.4 No. of Guest and Visiting faculty and Temporary faculty

15   18   54

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	8	64	28
Presented papers	17	39	6
Resource Persons	4	25	10

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Seminar of the students, Concept Maps, Group Discussions, What sup group for discussion, Field Experiences, Use of modern teaching aids like LCD, smart board etc., Use of open course- wares like sakshat.ac.in, MCW, MIT USA, Spoken-tutorial are organised, during lectures real life applications are discussed, home assignments are given regularly in the class and checked, use Moodle, a learning Managements system to provide additional information's to students, Case studies, Industrial visits, Role plays, Book Journals and Articles review, Business competitions and Quiz etc., ICT- enables seminar hall of capacity of 98 seats is available in school it is used for presentations of conferences/workshops/Invited lectures, engaging regular lectures seminars etc. Industrial projects were offered to M.Sc. (Statistics students), Students versions of SAS software was installed on PCs and training was provided to students, Online lectures were made available for students, Past students' lectures were arranged for students, Teachers were encouraged to attend orientation and refresher courses, Taught texts through films, Initiated QB setting and OPEN Day Planning, students and alumni feedback, Remedial Coaching, Chapter Review activity at the completion of each unit, Soft-skill training and remedial coaching sessions on the weekend.

2.7 Total No. of actual teaching days during this academic year | 305 |

2.8 Examination/ Evaluation Reforms initiated by
The Institution (for example: Open Book Examination, Bar Coding,
Double Valuation, Photocopy, Online Multiple Choice Questions)

- The University has implemented Semester System with C.G.P.A. for all the faculties.

- To eliminate the mistakes in question papers, university carry out the moderation before submission of final paper sets to the university.

- The model answer of the paper is also prepared at the time of paper setting, and these model answers are made available to the examiners to maintain uniformity in the evaluation work.

- Online student registration and online issuance of hall tickets through Digital University Portal (E – Suvidha Scheme)

- Online collection of internal marks from all affiliated colleges/institutes.

- Establishment of Digital Examination Cell and Students Facilitation Center for online support (Call Center).

- Digitization of Examination Records from 2000-01 onwards.

- Appointment of Examiners, Paper Setters, Moderators, Practical Examiners, Flying Squad, Senior Supervisors etc. through Online System.

- Decentralization of assessment activity for UG first year examinations for faculties of Arts, Commerce, Science and Management. All other assessment work is done centrally at university.

- Online payment gateway facility is made available for the students.

- Creation of a Question Bank OR a Question Paper Bank for setting examination question paper for Ph.D. entrance Test and for Pre-Ph.D. theory course

- ICT solution for secure delivery of question papers

- OMR and Barcode technology on cover page of answer sheet is used for all the faculties.

- University declares all the results online with complete breakup on university website and through SMS declaration of result is communicated to all colleges.

- Online application system for re-evaluation of answer sheet. Online verification facility for Degree certificate is made available for employer

2.9 No. of faculty members involved in curriculum
Restructuring/revision/syllabus development
as member of Board of Study/Faculty/Curriculum Development workshop

| 44 | - | 179 |

2.10 Average percentage of attendance of students | 80 % |

2.11 Course/Programme wise distribution of pass percentage: -

Title of the Programme	Total no. of students appeared	Grade						
		O %	A %	B %	C %	D %	E %	F %
M.Sc. (Microbiology)	34	0	18	29	47	6	0	0
M.Sc. (Biochemistry)	36	0	22	19	39	19	0	0
M.Sc. (Biotechnology)	34	3	29	24	38	6	0	0
M.Sc. Chemistry (Polymer Chemistry)	22	5	23	36	27	9	0	0
M.Sc. Chemistry (Pesticides and Agrochemicals).	24	4	25	46	25	0	0	0
M.Sc. Chemistry (Industrial Chemistry)	33	0	18	36	39	6	0	0
M.Sc. Chemistry (Organic Chemistry)	28	32	46	21	0	0	0	0
M.Sc. Chemistry (Physical Chemistry)	14	7	36	29	14	14	0	0
M.Sc. Chemistry (Analytical Chemistry)	19	0	42	37	21	0	0	0
M. Sc. Mathematics (Computational Mathematics)	83	1	25	28	27	12	7	0
M.Sc. Statistics (Industrial Statistics)	84	1	1	11	17	42	14	14
B.Sc. (Actuarial Science)	11	0	36.36	9.09	45.45	0	0	9.09
M. Sc. Physics (Materials Science)	30	0	33	47	13	7	0	0
M. Sc. Physics (Energy Studies)	33	0	15	24	42	12	0	6
M. Sc. Electronics	31	3	10	6	45	29	6	0
M. Tech. (VLSI Technology)	10	0	10	50	0	0	20	20
M.Sc. (Computer Science)	79	0	13	37	48	3	0	0
M.Sc.(Information Technology)	69	0	0	7	36	48	9	0
M.C.A.	84	0	8	15	50	23	0	4
M. Sc.(Environmental Sciences)	25	8	16	44	32	0	0	0
M. Sc.(Applied Geology)	69	0	10	68	19	3	0	0
M.A./M. Sc.(Applied Geography)	17	0	12	18	47	24	0	0
M.Tech. (Environmental Science and Technology)	10	0	90	10	0	0	0	0
M.A. (English)	26	0	15	8	23	23	8	23
M.A. (Hindi)	5	0	60	20	20	0	0	0
M.A. (Marathi)	11	0	9	36	36	18	0	0
M.A. Music (Tabla)	1	0	100	0	0	0	0	0
M.A. Music (Vocal)	8	13	25	13	38	13	0	0

M.A. (Defense & Strategic Studies)	16	6	44	44	6	0	0	0
M.A. (Political Science)	29	0	24	24	21	24	7	0
M.A. (Economics)	37	0	11	41	32	11	5	0
M.A. (Sociology)	27	7	33	26	30	4	0	0
M.A. (History)	35	0	0	17	23	43	0	17
M.A. (Dr. Ambedkar Thoughts)	13	31	46	23	0	0	0	0
M.A. (Women's Studies	4	0	25	25	50	0	0	0
M.A. (Psychology)	8	0	13	13	75	0	0	0
M.Ed.	17	18	53	24	6	0	0	0
M.S.W	53	2	19	72	8	0	0	0
MA M C J (CBCS)	36	3	22	44	17	8	0	6
M.B.A. (Master of Business Admin.)	69	0	10	68	19	3	0	0
B.B.M. (Bachelor of Business Management)	18	0	44	56	0	0	0	0
B. Tech. (Chemical Engineering)	71	0	21	62	12	0	0	6
B. Tech. (Paint Technology)	21	0	19	76	5	0	0	0
B. Tech. (Oil, Fats and Waxes Technology)	14	0	29	57	7	0	0	7
B. Tech. (Plastic Technology)	22	0	23	64	13	0	0	0
B. Tech. (Food Technology)	16	0	25	69	0	0	0	6
M. Tech. (Chemical Engineering)	16	13	37	44	0	0	0	6
M. Tech. (Polymer Technology)	6	17	83	0	0	0	0	0
M. Tech. (Oil, Oleochemicals and Surfactant Technology)	3	0	34	33	0	0	0	33
M. Tech. (Nano-Science and Technology)	8	13	50	37	0	0	0	0
M. Tech. (Pharmaceutical Chemistry and Technology)	8	0	50	50	0	0	0	0
M. Tech. (Food and Fermentation Technology)	15	0	40	47	0	0	0	13
M. Tech. (Paint Technology)	10	20	50	20	0	0	0	10

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

i. The IQAC has ensured that teaching-learning and extension process is made student centric by promoting students to be involved in overall process.

ii. Syllabi is revised as per the inputs received from stack holders to incorporate industry needs as per current market scenario and soft skill based contents.

iii. To understand the working culture of the industrial sector and get field exposure, the School/Institute of the University have organized field trips, study excursions industrial tours, Industrial trainings.

iv. Finishing School concept is introduced to enrich soft and social skill.

v. Digitally equipped smart Classroom are introduced to promote ICT based teaching and learning.

vi. IQAC ensured that analysis of result and feedback is carried out at schools in the campus.

vii. Communications Skills, Spoken English Workshops were organized through Equal Opportunities Cell.

viii. Exhaustive and extensive efforts towards placement of the students in Industry has been taken by the Central Training and Placement Cell (CTPC).

2.13 Initiatives undertaken towards faculty development:

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	11
UGC – Faculty Improvement Programme/QIP	2
HRD programmes	0
Orientation programmes	3
Faculty exchange programme	0
Staff training conducted by the university	1
Staff training conducted by other institutions	6
Summer / Winter schools, Workshops, etc.	46
Others – PDF	0

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	316	18	0	0
Technical Staff	102	06	0	0

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Criterion – III

3.   Research, Consultancy and Extension:-

3.1   Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- In majority of PG programmes, a course in either semester III and/or IV has been devoted to project work to inculcate independent thinking, scientific attitude and analytical abilities among the students. For B. Tech., M.Sc. (Computer Science), M.Sc. (Information Technology), M.C.A. programmes, one semester is devoted for project work. For M.Tech. One year is dedicated for project work and for B.B.M. and M.B.A. programmes compulsory summer internship.

- Excellent research laboratories and instrumentation facilities have been developed in the Schools/Institute in their respective thrust areas/subjects.

- Providing access to the research infrastructure for execution of project work.

- University has been regularly conducting UGC and other funding agencies sponsored Workshops/Seminars/ Conferences for research scholars and faculty.

- In tune with UGC's regulation-2009, a compulsory module on research methodology has been introduced in the course work for all Ph.D. programmes.

- Support of industry for execution of research projects of PG students.

- The University has sanctioned an amount of Rs.114 lacs to 77 research projects under Vice-Chancellors Research Motivation Scheme for the teaching and non-teaching faculty of the University and affiliated colleges in the meeting held on 11.01.2016.

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	19	--	--
Outlay in `. in Lakhs	77.5	389.22	--	--

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	02	06	--	--
Outlay in `. in Lakhs	1.4	13.22	--	--

3.4   Details on research publications:

	International	National	Others
Peer Review Journals	183	87	--
Non-Peer Review Journals	--	--	--
e-Journals	--	--	--
Conference proceedings	--	53	--

3.5   Details on Impact factor of publications:

Range | 0.1-7.8 | Average | 2.58 | h-index | 9.6 | Nos. in SCOPUS | 220 |

3.6   Research funds sanctioned and received from various funding agencies, industry and other organisations:

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned (Rs.. in Lakhs)	Received (Rs. in Lakhs)
Major projects	2016-2017	BARC, UGC, RGSTC, SERB, DST, ICSSR, DBT,CABCIN, TEQIP,MPCB	256.803	
Minor Projects	2016-2017	BARC, UGC, RGSTC, SERB, DST, ICSSR, DBT,CABCIN, TEQIP,MPCB	14.62	
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University	--	--	--	--
Students research projects *(other than compulsory by the University)*	--	--	--	--
Any other (Specify)	--	--	--	--
Total	--	--	--	--

* VCRMS- Vice-Chancellor's Research Motivation Scheme

3.7   No. of books published   i) With ISBN No. | 11 | Chapters in Edited Books | 25 |

ii) Without ISBN No. | 0 |

3.8   No. of University Departments receiving funds from

UGC-SAP | 4 | CAS | - | DST-FIST | 2 |

DPE | -- | DBT Scheme/funds | 1 |

3.9   For colleges   Autonomy | 01 | CPE | 02 | DBT Star Scheme | |

INSPIRE | - | CE | 01 | Any Other (specify) | - |

3.10   Revenue generated through consultancy | Rs. 18.47 Lakhs |

3.11   No. of conferences organized by the Institution:

Level	International	National	State	University
Number	1	12	3	5
Sponsoring agencies	TEQIP III	UGC, New Delhi, TEQIP III	NMU, Jalgaon	--

3.12   No. of faculty served as experts, chairpersons or resource persons 43

3.13   No. of collaborations   International 5   National 13   Any other 3

3.14   No. of linkages created during this year   01

3.15   Total budget for research for current year in lakhs:

From funding agency   Rs.900/- lacs   From Management of University   Rs.341/-lacs

Total   Rs.1241/- lacs

3.16   No. of patents received this year

Type of Patent		Number
National	Applied	9
	Granted	0
International	Applied	0
	Granted	0
Commercialised	Applied	0
	Granted	0

3.17   No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University
41	3	28	7	3

3.18   No. of faculty from the Institution Who are Ph. D. GUIDES? 60
And students registered under them 245

3.19   No. of Ph.D. awarded by faculty from the Institution   41

3.20   No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF 32   SRF 39   Project Fellows 14   Any other 7

3.21   No. of students Participated in NSS events:

University level 390   State level 232

National level 287   International level --

3.22 No. of students participated in NCC events:

University level | - | State level | -
National level | - | International level | -

3.23 No. of Awards won in NSS:

University level | 08 | State level | 05
National level | 08 | International level | --

3.24 No. of Awards won in NCC:

University level | -- | State level | --
National level | -- | International level | --

3.25 No. of Extension activities organized

University forum | - | College forum | -
NCC | - | NSS | 14943 | Any other | 7048

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility.

The University has organized following extension activities to discharge its institutional social responsibility:

- University Level "AVISHKAR-2016".
- University Level "Yuvarang-2016".
- University Level Science Exhibition and Open House-2016
- To organize "National Science Day" Celebration-2017 in PG Departments.
- Training programme for prevention of "Sexual Harassment" by Rajya Mahila Ayog.
- "Blood Donation Camp".
- One day "Training camp on Nature".
- One day workshop on "Water Conservation Techniques".
- One day National Workshop on "GIS application in Natural Resources Management".
- All faculty members participated in the event "Clean Campus Mission".
- "Constitution Day" Program.
- "Yuvati Sabha" Program.
- "Marathi Bhasha Day" program.
- Entrepreneurship Development Programme.
- Workshop on Social Media.
- Swachata Abhiyan on University campus & affiliated colleges.
- "Mass Plantation" program on the campus.

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Criterion – IV

4.   Infrastructure and Learning Resources:

4.1   Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	660 Acres	..	..	660 Acres
Class rooms	88	16	UGC/University Fund	104
Laboratories	110	10	UGC/ University Fund/RUSA	120
Seminar Halls	14	06	UGC/ University Fund	20
No. of important equipment purchased ($\geq$ Rs. 1-0 lakh) during the current year.	306	18	UGC/DST/TEQIP/DBT/ University Fund/RUSA	324
Value of the equipment purchased during the year (Rs. in Lakhs)	-	89.96 lacs		..

4.2   Computerization of administration and library

- **Library automation:** A separate web page is available under the Central Library link of University website giving list of various useful subscribed and free e-resources for research and academic purpose.
  Display of e-resources information placed on notice boards in the Central Library and in reading hall. The assistance also provided to users for accessing e-resources.

- **Institutional Repository:** Preparation of an Institutional Repository with reference to the Research Papers published by University Faculty, University Question Papers and syllabus of various courses is under progress.

- LAN facility: LAN connectivity is maintained through OFC (optical fiber cable) and UTP cable to Schools/Institute, Library and administrative building on the campus.

  New LAN connectivity of 70 nodes and OFC under NMEICT project of MHRD, Government of India is provided to:
  - School of Social Sciences
  - School of Mathematical Sciences (New building)
  - Sump Well Building
  - Convocation Hall
  - Health Center
  - Girls Hostel No. 1 and 2
  - Girls Hostel No. 3
  - VC's Residence
  - Guest House
  - A.P.J. Abdul Kalam Vidyarthi Bhavan
  - Shikshak Bhavan
  - Minortiy Girls Hostel
  - Babu Jagjivan Ram Girls Hostel
  - Sports Complex
  - Boys Hostel No. 1
  - Boys Hostel No. 2
  - Boys Hostel No. 3

Also, expansion of 400 LAN nodes under Rashtriya Ucchastar Skiksha Abhiyan (RUSA) were carried out in various Schools/Institute, Library and administrative building on the campus.

Besides this 450 LAN nodes were installed in Online Examination Center under Rashtriya Ucchastar Skiksha Abhiyan (RUSA)

The 1 Gbps connectivity under NMEICT is available on the campus.

- **Number of nodes/computers with internet facility:**

  Total 1500+ nodes are available with internet connectivity in the campus

- **Any other:** e- Resource Portal is developed.

4.3 Library services: (Rs. in lakhs):

	Existing		Newly added		Total	
	No.	**Value**	**No.**	**Value**	**No.**	**Value (Rs.)**
Text/Reference Books	68595	109233998.65	6085	9426483.22	74680	118660481.67
Reference Books	4041		354		4395	
e-Books	-		-		-	
Journals	23	17950	67	541750	90	559700
e-Journals	25000 +	UGC Infonet Digital Library Consortium	-		25000 +	
Digital Database	-		4	4200000		4200000
CD & Video	650	Free with Books	100	Free with Books	750	Free with Books
Others (specify)	-		-		-	

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart -ments	Others Wifi Lan
Existing	1057	23	1 Gbps, 2 Mbps	09	02	348	1159	02
Added	65	00	10 Mbps	00	00	25	40	00
Total	**1122**	**23**		**09**	**02**	**373**	**1199**	**02**

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

User Education Orientation Programme was conducted by the Central Library of the University for the students of all schools.

4.6   Amount spent on maintenance In lakhs:

i) ICT   Rs. 2.85/- lacs

ii) Campus Infrastructure and facilities   Rs. 35.37 /- lacs

iii) Equipment   Rs. 36.79 /- lacs

iv) Others   Rs.   391 /- lacs

Total: Rs.   466 /- lacs

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Criterion – V

5.   Student Support and Progression

5.1   Contribution of IQAC in enhancing awareness about Student Support Services:

- **Summer School workshop for budding researchers**

  Knowledge and innovations are going to be the twin agents of change in present century. Whereas, the former strengthens the thought process, the latter transforms it into products/services. Basic research is the mother of all the applied research and technological innovations. It also provides vent to one's imagination and creativity. To motivate the young talented students studying in the graduate program of affiliated colleges towards this fascinating world of research and innovation, it is necessary to provide a suitable eco-system and carefully cultivate and nurture research aptitude in them. The University has started summer school of budding researchers with the goal to inculcate research aptitude, analytical abilities and independent thinking abilities among graduate students. The objective is to familiarize them with research culture, activities, modern & sophisticated instruments and facilities on campus. Overall the young students will be attracted and motivated to pursue career in basic and applied research. Ten days workshop was organized from 1-10 June, 2017. Total of ten Undergraduate students from affiliated colleges were budding represent in this workshop. Eminent Scientist from national organisation (ISRO, BARC, NPL and HCL etc.) were invited to guide there.

- **University Website:** The University regularly updates its bilingual website www.nmu.ac.in as a major source of information for the students. A link http://nmu.ac.in/en-us/studentcorner namely **'Student Corner'** is available to provide updated information to students.

- **Finishing School:**

  This concept has been recently implemented by the University in tune with MHRD-TEQIP norms for overall development of the students. Certificate Courses such as Industrial Safety and Management are devised and implemented to provide awareness on safety and security aspects. Students are encouraged to register for courses under MOOC (Massive Open Online Courses) which reflects the new trend in higher education. For example, one batch of B. Tech. and M. Tech. students has been registered in the month of January, 2014 for Piping Engineering Online Course floated by IIT Powai. The University website has provided link to NPTEL (National Programme on Technology Enhanced Learning) which provides e-learning through online Web and Video courses in Engineering, Science and humanities streams.

- **e-Suvidha and Student Facilitation Centre (SFC):**

  The University has launched **e-suvidha scheme** with the support of MKCL Digital University Portal from the academic year 2007, with the objectives to serve and assist the Schools/Institutes/affiliated colleges and students for getting access to various facilities sitting at home/college using internet from any part of the world. The scheme enables students/Schools/Institute/affiliated colleges to interact with the University to get timely access to valuable information regarding various courses, admission process, scholarships, examination results etc. at a single click.

The following helpline telephone numbers have been provided under SFC: +91-0257-2258418, +91-0257-2257336, +91-0257-2257338 and University Enquiry Number - +91-0257-2257250.

- **Student Helpline:**

The **Students' Helpline** is the initiative undertaken by the University to address academic/non-academic problems/suggestions of the students studying in the various Schools/Institutes/affiliated Colleges of the university.

The students/stakeholders can directly approach the Vice-Chancellor through the Vice-Chancellor's helpline (vc.helpline@gmail.com) to solve their grievances.

Online examination and e suvidha centers

(The students facilitation centre (Vidyarthi Suvidha Kendra) are proposed to establish in Aug-Sept-2017- Amalner, Nandurbar, Faizpur, Chalisgaon.)

- **Vidyarth Sanwad Parva (**Vice-Chancellor's Interactive Festival**)**

Hon'ble Vice-Chancellor of the university started the new initiative of Vidyarthi Sanwad Parva form November 2016. The Vice Chancellor has reserved half day for the students on the first and third Monday of every month for resolving the problems of students. This unique project has been named as the Vice-Chancellor's Interactive Festival.

5.2   Efforts made by the institution for tracking the progression:

IQAC takes efforts to collect the progression of the Alumni by the feedback received every year through the Alumni meet conducted by the schools.

5.3   (a) Total Number of students

UG	PG	Ph. D.	Others
734	2103	395	--

(b) No. of students outside the state

27

(c) No. of international students

10

Men

No	%
1547	60

Women

No	%
1299	40

Last Year						This Year					
General	**SC**	**ST**	**OBC**	**Physically Challenged**	**Total**	**General**	**SC**	**ST**	**OBC**	**Physically Challenged**	**Total**
713	298	123	1277	11	2323	1597	230	124	1271	3	3232

Demand ratio: 1:6:5   Dropout %: 01 %

5.4   Details of student support mechanism for coaching for competitive examinations (If any).

No. of students beneficiaries | 35 |

5.5   No. of students qualified in these examinations

SET/SLET	7	GATE	24	CAT	5		-
IAS/IPS etc.	-	State PSC	-	UPSC	-	MPSC	2
Other	6						

5.6   Details of student counselling and career guidance:

i.   Continous ongoing process by faculty member at individual level.
ii. Central Training and Placement Cell and School's T and P Cell Organised aptitude test for all II-Year students
iii. Various Lectures/Activities were conducted by Internal/Guest Faculty for Overall Development of the students
iv. Schedule of soft-skill training workshops and personality development
v.   Training for personnel interview and group discussion.
vi. Finishing Schools for Weak students.
viii. GATE Coching

5.7   Details of campus placement

On campus			Off Campus
Number of Organizations Visited	**Number of Students Participated**	**Number of Students Placed**	**Number of Students Placed**
24	243	74	110

5.8   Details of gender sensitization programmes:

1. On the birth anniversary of Krantijyoti Savitribai Phule, Woman Studies Centre organized a lecture on 9th Jan 2017. Under the theme of *"Savitribai Phule: Stree Chalval ani Vartamanatil Aavahane"* in Auditorium hall of School of Social Sciences. Special Guest Adv. Vaishali dolas from Aurangabad & Shahir Vasudha Kalyankar.

2. K. S. Wani Marathi Pragat Adhyasan Sanstha, Dhule and Khandesh Marathi Pradhyaapak Parishad collaboratively organized a seminar on *"Bhartiya Streewad: Badlte Aayam"* on 21th and 22th Jan 2017.

3. Forty students completed a three month certication course in *"Gender Sensitization"*, conducted by Women Study Centre during assessment year.

4. Maharashtra State Women's Commission and Women's Studies Centre collaboratively organized a one day workshop on **"Sexual Harassment at Work Place, Act 2003"** in Senate Hall on 1th February 2017.

5. Women's Studies Centre Organizes two days workshop on "Masculinity" in Boys Hostel North Maharashtra University

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events:

State/ University level | 637 | National level | 10 | International level | - |

No. of students participated in cultural events

State/ University level | 622 | National level | 287 | International level | - |

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level | 01 | National level | 04 | International level | - |

Cultural: State/ University level | 25 | National level | 06 | International level | - |

5.10 Scholarships and Financial Support

	Number of students	Amount (Rs. In Lakhs)
Financial support from institution	-	15.92
Financial support from government	1560	262.31
Financial support from other sources	44	3.47
Number of students who received International/ National recognitions	-	-

The above students are financially benefitted through the following financial schemes:

5.11 Student organised / initiatives:

Fairs: State/ University level | - | National level | - | International level | - |

Exhibition: State/ University level | - | National level | -- | International level | -- |

5.12 No. of social initiatives undertaken by the students | 01 |

5.13 Major grievances of students (if any) redressed: **NIL**

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Criterion – VI

6. Governance, Leadership and Management

6.1   State the Vision and Mission of the institution

Vision of the University:

> **The University strives to seek a balance between access, equity and academic excellence through educational leadership to promote innovation, research, dynamic transformation of community to keep pace with the global scenario.**

Mission of the University:

> **To impart relevant quality higher education to the students, to groom them to be conscious researchers, technologists, professionals and citizens, bearing the torch for disseminating knowledge in masses for suitable socio-economic development of the society.**

6.2   Does the Institution has a Management Information System?

- Establishment of Campus-wide Area Network with Internet connectivity of 1 Gbps under NMEICT/NKN Project of MHRD for e-resource access.

- IT based MIS:

  i. To provide various IT Services on the campus (Website Development/ Maintenance, Software Development, Hardware Maintenance and Network related services), System Analysts, Technical Assistant and Hardware and Network Expert are deployed.

  ii. Various online services are provided partly through in house IT developments and partly through Third Party Engagements.

  iii. The 1 GBPS connectivity under NMEICT Project of MHRD has been established on the campus.

  iv. E-library services are managed through the Information Scientists working at Central Library.

  v. The Financial transactions and HR issues of administration department are handled using SAP since last 9 years and also Business Intelligence tool is used for effective decision making.

  vi. BCUD is having online affiliation process, approval process and PhD admission process which always helps to take appropriate decisions at university level and government.

  vii. The examination department is issuing online appointments to examiners, paper setters, flying squad etc.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

The university follows a systematic process in the design and development of the curriculum based on need assessment and feedback from stakeholders.

- The opinions/suggestions received from renowned academia, industrialists and scientists through their formal/informal interactions with faculty members in the seminars/conferences/workshops on the curricula are taken into consideration while restructuring the curricula.

- The needs/requirements of stakeholders such as – students, parents and alumni for curriculum upgradation and design are considered. Their Feedback on the existing curricula is regularly obtained and analysed.

- Employability is ensured through curriculum designing and development. Majority of the courses offered by the University are innovative, applied and need based.

- The Schools on the campus are awarded academic flexibility, under which individual school has established Academic Committees for regular revision of syllabi of the courses conducted by the school.

  Review of examination results after every semester is done and accordingly implementation of corrective measures are incorporated in the syllabus.

6.3.2 Teaching and Learning

To assure the better utilization of human resources and the infrastructural resources available for teaching, learning and research in interdisciplinary areas, the university has adopted concept of schools.

i. Digitally equipped classrooms are available in all Schools/Institute with high quality LCD projector, LCD TV, digital podium, interactive pad and other accessories.
ii. Computer laboratories with high speed Internet connectivity are available to the students in all Schools/Institute. The resource material from various portals like nptel, spoken tutorials is available to students and faculty.
iii. Communication skills, group discussion practices, and phonetics/accent improvement is carried out through language laboratories.
iv. The faculty members were sent to various Pedagogical programmes/workshops based on Training Needs Analysis (TNA).

The Academic Council, Faculty, Board of University Teacher Recognition (BUTR) and Board of Studies as per Sections 29, 33, 36 (A) and 37, respectively are the authorities who take review of teaching and learning process of the University. These bodies review the teaching, learning process of Schools/ Institute/affiliated colleges in their meetings and suggest improvements which are communicated by the BCUD office to the concerned for needful action. The Research and Recognition Committee (RRC) evaluates the outline of research work through presentations and personal interviews. This system helps to improve the research quality of the students. The Maharashtra Public University Act. 2016 was impleted from 1st March 2017.

6.3.3 Examination and Evaluation

- Adoption of Semester System for all faculties.

- Implementation of 60:40 pattern with MCQ based term end examinations.

- Online appointment of Sr. Supervisors, Flying Squad and Examiners with SMS alert.

- Moderation of Question Papers at the time of paper setting.

- Digital Question Paper Delivery System.

- Online Pre-Ph.D. Entrance Test and Course Work Examination.

- Implementation of **Ordinance** to award 02 marks for voluntary **blood donor student.**

- The grievances related to evaluation are addressed by the students for all the faculties are resolved by the redressal procedure.

- **Digitization** of permanent result records of all faculties.

- Live Webcast of Convocation Program.

- Conducted Online Examination for MBA distance course.

- On screen evaluation.

- Online examination centre.

6.3.4 Research and Development

Established research laboratories with modern sophisticated instruments and world class infrastructure in all Schools/Institute on the campus to promote research in basic as well as professional subjects.

i. Encouraged faculty members to write research proposals for the submission of various funding agencies. The faculty members of the University have received 17 research projects to the tune of **309 Lakhs** by various Government funding agencies during the assessment year.

ii. Encouraged faculty members to file patents with financial support. As a result, **02** patents have been filed during the year.

iii. Financial support for the research projects through **Vice-Chancellor's Research Motivation Scheme (VCRMS)** to the Teaching, Non-Teaching faculty members. In all (72+05 project amounting to Rs. 114 lacs) have been sanctioned under this scheme during the assessment year.

iv. Encouraging faculty members to attend and/or organize seminars/ conferences/workshops as well as to present research papers in National/ International conferences.

v. **Research Awards** are given every year on the University Foundation Day.

vi. As a result of these measures, there has been an increase in the quality and quantity of publications of individual teachers.

6.3.5 Library, ICT and physical infrastructure / instrumentation

The University always ensures and monitors proper planning for adequate availability of physical infrastructure and optimal utilization of its resources through various constituted committees in accordance with the Master Plan. The University has created adequate physical infrastructure and learning resources in all Schools/Institute as well as in the Administrative / Examination Sections which is enhanced year to year with generous financial assistance from University, Central and State Government funding agencies.

i. Made available the Virtual Classroom facility through A-view software in the Central Library of the University.

ii. Free access to e-journals, e-books, databases, lecture videos and other online resources through INFLIBNET UGC-Info net Digital Library Consortium.

iii. Established DKC in the Library to access e-resources; e-resources: Total 25000+ National/International e-journals, e-books, 04 Database (J-Gate) and other online resources have been made available through INFLIBNET UGC-Infonet Digital Library Consortium to help research scholars and faculty members to keep pace with the latest developments in their field of research.

6.3.6 Human Resource Management

The University contributes to human resource development through:

i. The training imparted on study skills, spoken English, personality development, soft skills and career counselling to enrich the personalities of the students and their all-round development.

ii. Training workshops for SC/ST students are organized by the Equal Opportunities Cell.

iii. The University facilitates Remedial Coaching and NET/SET Coaching for SC/ST/ OBC (non-creamy layer) and Minorities through UGC sponsored scheme.

iv. Dr. Babasaheb Ambedkar Competitive Examination Training Centre has been established and organizes coaching of Competitive Examinations for SC/ST/OBC and Minority students

v. Deputation of Faculty members are encouraged for participation in orientation/refresher courses/faculty development programmes.

vi. The stakeholders are encouraged by felicitation through the best teacher, best researcher, best principal, best non-teaching staff of University/affiliated colleges and best college awards on the occasion of Foundation Day of University every year.

vii. The University is providing loan on minimum interest for the purchase of house, vehicle and computer for teaching and non-teaching staff.

6.3.7   Faculty and Staff recruitment:

The career advancement scheme is implemented regularly as per the norms by UGC and state government. The University also encourages retired professors to apply under the UGC's scheme of Professor Emeritus. The faculty with high quality academics of other Universities are invited as a Visiting Professor under UGC's Scheme.

6.3.8   Industry Interaction / Collaboration:

i.   University-Industry Interaction Cell (Lab to Industry) is functioning for the collaboration and interaction with various industries in nearby areas in terms of transmission of research outcomes, innovative ideas, scale up processes, technology up-gradation etc.

ii.   The University-Industry Interaction Cell advised the University faculties to offer their expertise in providing techno-commercial solutions to these industries.

iii.   The CTPC arranges skill based trainings, on-job trainings and campus placement for students in industries.

iv.   University signed MoUs and EoI with Local/National industries for the interactions with the experts and eminent personalities of various industries.

6.3.9   Admission of Students

i.   The university has an explicit policy and strategy for attracting international students. Established **International Student Cell** to guide the foreign students for taking the admission and to solve their administrative problems. The quota of 02 seats over and above of research guide is allowed for foreign students in all faculties. They are also exempted from Pre-Ph.D. Entrance Test for the registration to Ph.D. programmes.

ii.   The University has started centralised online admission process for M.Sc. /M.A.(Geography) through ONLINE admission portal developed for university schools and affiliated colleges.

iii.   The University ensures wide publicity and transparency in the process of admission to its various courses by:

a. Publishing Admission Notification in Local/State newspapers.

b. Uploading the Admission Notifications with programme details (intake capacity, fees structure etc.), application form, eligibility criteria, reservation policy, mode of selection, important dates with reference to various stages of admission etc. on the University website i.e. www.nmu.ac.in.

Process of admission:

- The students are admitted to MCA, MBA, B.Tech course through Common Entrance Test (CET), conducted by DTE, Mumbai. Online admission process is adopted by for admission of these course by DTE.

- The admissions to M. Tech. Programmes are made on the basis of percentile GATE score merit list. Second Merit List for vacant seats of M.Tech. (Chemical Engineering) is prepared by DTE, Mumbai on the basis of performance in the Entrance Test conducted by them. The vacant seats for remaining

eight M. Tech. branches are filled on the basis of combined performance at Entrance Test and personal interviews conducted by the concerned Schools/Institute of the University.

- The centralised online admission for M.Sc./M.A.(Geography) is developed by university computer centre. The portal receives online applications from students seeking admission to these courses. The Applications were verified at respective application receipt centres (ARCs).The candidates need to fill option form for the choice. The system allots college to the candidate as per merit. The State Government Reservation Policy is strictly followed during allotment of seats.

- A total of 4138 online application were received for 51 courses in University Campus and affiliated colleges. Total 2551 students admitted to these courses in CAP rounds in academic year 2016-17.

6.4 Welfare schemes for

Teaching	Yes
Non-teaching	Yes
Students	Yes

6.5 Total corpus fund generated

Rs.126.65 cr

6.6 Whether annual financial audit has been done   Yes   ✓

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority*
Academic	Yes	NAAC	Yes	--
Administrative	No	NIL	No	NIL

   * Committee constituted by University with inclusion of experts from other   University/ Institute.

6.8 Does the University/Autonomous College declares results within 30 days?

For UG Programmes   Yes ✓   No

For PG Programmes   Yes ✓   No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

a. The appointment of Examiners, Paper Setters, Moderators, Practical Examiners, Flying Squads, Senior Supervisors etc. are made through online mode.
b. Online payment gateway facility is made available for the students.
c. All the reports (Pre-filled Examination Forms, Online Inward Report for Examination Blank Mark-list for conducting of examinations, Hall Ticket, Students name list, Student seat summary, Attendance certificate etc.) are made available online in each end user login.
d. Successfully Implemented online distribution of Question Papers for Pharmacy, Engineering,   Education, Law, Management, Commerce and Science (P.G.) faculties

f. On screen evaluation for PG program in Pharmacy, Engineering, Education, Law and Management, as well as UG Commerce and Science programs.

6.10 What efforts are made by the University to promote autonomy in the affiliated/ constituent colleges?

i. The University provides academic and administrative leadership to its affiliated colleges through the Board of Colleges and University Development (BCUD).

ii. The rules and guidelines for affiliation, governance, academic audit of affiliated colleges/institutions are framed by the BCUD with the approval of various authorities.

iii. The BCUD plans, guides, co-ordinates and monitors UG/PG/Ph.D. programmes and development of affiliated colleges/institutes.

iv. It prepares short-term and long-term perspective plans for the affiliated colleges in accordance with the State and National Educational Policy.

v. The Board ensures that the decisions regarding these plans are duly processed and implemented through concerned officers and relevant authorities/bodies/ committee.

vi. The information regarding various developmental schemes of UGC and other funding agencies is circulated to the Principals of the affiliated colleges through the circulars, meetings and guidance is given to prepare and submit the proposals.

vii. The University regularly organizes meetings with Principals of the affiliated colleges to guide regarding academic plans, reforms in examination system and developmental schemes of UGC. The University also encourages and advises the affiliated colleges to offer new courses in the emerging areas.

viii. The University has imparted partial decentralization regarding examination system, for example, the first year degree course examinations (except Engineering and Pharmaceutical courses) are conducted by the affiliated colleges and the results are also prepared/declared by them.

ix. The academic and administrative leadership of the University encourages its affiliated colleges/institutions to take autonomous status. As a result, the Government Engineering College, Jalgaon has been granted autonomous status by the Government of Maharashtra and UGC, New Delhi.

6.11 Activities and support from the Alumni Association:

Every School/Institute has its own Alumni Association to maintain a close liaison with alumni on regular basis. The Alumni meets are regularly organized every year to increase interactions between the past and present students and to offer guidance to the present students. This activity gives hands on to present students for better placements.

i. Besides this the university has established the North Maharashtra University Past Students Association (NM-UPSA) with Registration number MAH/17480/Jalgaon, 04.09.2014.

ii. The alumni of the university are working at top positions in various industries and academia by their efforts, dedication and hard work. The information and support from alumni has been taken in facilitating placement of the present students by the Central Training and Placement Cell (CTPC).

6.12 Activities and support from the Parent – Teacher Association.

Once in a year Parent-Teacher meeting is conducted by some of the schools. The views/feedback obtained from the parents during interactions is taken into account to design, upgradation and redesign of curricula.

6.13 Development programmes for support staff.

i. The non-teaching staff is motivated for research by including in the **'Avishkar'** research festival cum competition as a separate participation category with special and attractive prizes.

ii. The non-teaching staff is motivated to submit research proposal on various research problems and financial assistance is made available to them under VCRMS. (Vice-Chancellor Research Motivation Scheme).

iii. Every year on the occasion of Foundation Day of the University best non-teaching staff of the University/affiliated colleges are felicitated.

6.14 Initiatives taken by the institution to make the campus eco-friendly.

The University has covered 264 acres of land out of 660 acres (i.e. 40% of its total land) under horticulture, plantation, gardens, check dams and ridges. There are around **Two Lakhs** trees/plants on the campus which has enhanced the green beauty and provides conducive environment for teaching and learning. Some of these plants have commercial value such as – Teak *(Tectona grandis)*, Neem *(Azadirachta indica)*, Sisoo *(Dalbergia sissoo)*, Gulmohar *(Delonix regia)*, Peltophorum *(Peltophorum africunum)*, Banyan Tree *(Ficus benghalensis)* and Pipal Tree *(Ficus religiosa)*. In addition to this, each school/institute has dedicated a group of students who take care of plantation around schools/institute under the watchful supervision of teachers. Environmental consciousness amongst the students is created through the participation in various eco-friendly initiatives (Plantation, Check Dam, Save Snakes, Water and Energy Conservation, awareness about Medicinal and Botanical Plants etc.). The campus is rich in biodiversity (i.e. variety of birds, Peacocks, Rabbits, Snakes, Insects etc.) as a result of protection rendered by the University.

Around **69 bunds (Small Bandharas) and 02 Check Dams** have been constructed to practice watershed management and water harvesting.

Besides this the university proposed green practices for eco-friendly campus such as

- Electric bus has been proposed for local transportation on campus to maintain pollution free environment.
- Clean campus mission has been regularly carried out by students, teachers and non-teaching staff under the Swachh Bharat Abhiyan.
- Tree plantation is carried out on campus every year to increase the eco friendliness.

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Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

i. Smart Villages Scheme:

The University has introduced the Smart Villages Scheme under which 05 villages located at remote areas under university jurisdiction, are identified for complete transformation, alcohol free, clean environment, basic infrastructure, cultural, social, educational, economic and agricultural development.

The 05 villages selected under Smart Villages Scheme are:

1. Savade, Dist. Jalgaon.
2. Usmalipada, Dist. Jalgaon.
3. Ramnagar, Dist. Dhule
4. Rajbardi, Dist. Nandurbar.
5. Bhagdari, Dist. Nandurbar

ii. Tribal Academy:

The Eklavya Training Centre, Nandurbar (Satellite Centre of the University) provides guidance and overall development of tribal students. Under this **Tribal Academy**, with **six** centres (social development, vocational education, promotion of indigenous knowledge, tribal governance, culture and sports and physical and mental health of tribal women) would be established for all-round development of tribal students.

A **Community College** has also been set-up under this initiative and a Diploma course in Agricultural and Natural Resources Management Skills with the financial assistance of UGC, New Delhi, has been started.

iii. Vice-Chancellor's Research Motivation Scheme:

The University has launched Vice-Chancellor's Research Motivation Scheme (VCRMS) to fund research projects to the young faculty members/non-teaching staff which act as a stepping stone for them to apply to various funding agencies for major research projects. A total of Rs.114 lacks grands were dispersed

iv. University Website:

The University regularly updates its bilingual website www.nmu.ac.in which as a major source of information for the students. A link http://nmu.ac.in/en-us/studentcorner namely **'Student Corner'** is created to provide updated information on academics, examination, facilities, formats, training and placement, student welfare and e-resources etc.

v. e-Governance:

The University is fast moving towards becoming a paperless University. The agendas and the notices of all meetings, academic programmes are sent via e-mail. The important notices to all stockholders are communicated by SMS.

vi. Central Training and Placement Cell:

The University has established a Central Training and Placement Cell (CTPC) in the year 2013 which provides an interface between UG, PG and Ph.D. students for placements and the corporate world seeking to hire the talent. Through this Cell, the opportunity of employment is provided to the students on campus and affiliated colleges. In addition 74 students are employed through the individual school placement cell with the support of Central Training and Placement Cell.

vii. Virtual Classroom Facility:

The University has created Virtual Classroom facility through A-view software in the Digital Knowledge Center.

viii. Examination related innovations:

a. The appointment of Examiners, Paper Setters, Moderators, Practical Examiners, Flying Squads, Senior Supervisors etc. are made through online mode.

b. Online payment gateway facility is made available for the students.

c. All the reports (Pre-filled Examination Forms, Online Inward Report for Examination Blank Mark-list for conducting of examinations, Hall Ticket, Students name list, student seat summary, attendance certificate etc.) are made available online in each end user login.

d. Digital Examination Paper Delivery System (DEPDS) for question paper Distribution at examination centres is implemented for MBA, Engineering, Law, Pharmacy, MA, M.Com, and M.SC

e. On Screen Evaluation System is initiated for MBA, Engineering, Law, Pharmacy, MA, M.Com and M.SC

ix. School of Thoughts:

The University has established School of Thoughts which comprises of – Mahatma Gandhi Study and Research Center, Shivaji Maharaj Study and Research Center, Sane Guruji Study and Research Center, Swami Vivekananda Study and Research Center, Mahatma Phule Study and Research Center and Buddha Study and Research Center on the University Campus.

x. Vision-2040 Document :

The University has prepared VISION-2040 document for overall future development of the campus and affiliated colleges.

xi. Summer School of budding researchers

The University has started summer school of budding researchers with the goal to inculcate research aptitude, analytical abilities and independent thinking abilities among graduate students. The objective is to familiarize them with research culture, activities, modern & sophisticated instruments and facilities on campus. Overall the young students will be attracted and motivated to pursue career in basic and applied research. A total of 50 students benefited from this workshop.

xii. Centralized online admission system for M.Sc. /M.A. (Geography)

The University has started centralised online admission process for M.Sc. /M.A. (Geography) through ONLINE admission portal developed for university schools and courses at affiliated colleges. The centralised online admission for M.Sc/M.A. (Geography) is developed by university computer centre. The portal receives online applications from students seeking admission to these courses. The Applications were verified at respective application receipt centres (ARCs).The candidates need to fill option form for the choice. The system allots college to the candidate as per merit. The State Government Reservation Policy is strictly followed during allotment of seats.

xiii. Online payment gateway

To promote Cashless transaction online payment is implemented in various online application also the fees payment is done through online mode.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year:

The innovations mentioned under 7.1 above, were planned in the beginning of the year and Successfully implemented.

7.3 Give two Best Practices of the institution (please see the format in the NAAC Self-study Manuals):

i) **Best Practice: Vidyarthi Sanwad Parva** (Vice-Chancellor's Students Interactive Initiative)**.**

Students Interaction Initiative**:**

Vice Chancellor of the University discusses directly to the students on the first and third Monday of every month and listen to their problems. This unique Vice-Chancellor-student dialogue started at the university from the month of November 2016. The Vice Chancellor has reserved half day for the students on the first and third Monday of every month for resolving problems of the students. This unique project has been named as the Vidyarthi Sanvad Parva. In the Previous Meetings of Vidyarthi Sanvad Parva the students discussed issues related to teaching-learning, examinations, scholarships, hostel, transportation etc. Due to this activity the students can directly meet Vice Chancellor and discuss their problems freely without any barrier. Students from the affiliated colleges of (Jalgaon, Dhule, Nandurbar District and University campus registered their grievances during the Meetings The University has appealed to the students to attend the meetings and dialogue with Hon'ble Vice Chancellor.

This is an initiative of Hon'ble Vice Chancellor to provide the platform to the students to discuss their problems without any appointment. The Vice Chancellor imports the instructions to the university officials to resolve problem immediately.

Hon'ble Vice Chancellor interaction with the student during Vidyarthi Sanwad Parva.

The details of interactions of students and the Vice Chancellor under the Vidyarth Sanwad Parva (Vice-Chancellor's Students Interaction Initiative) are given in the table.

Sr. No.	Programme Details (Dates)	No. of Participants	Major Grievances	Action Taken
1	21.11.2016	31	• Financial support for participation in International Conference. • Seating arrangement and competitive Books in Library. • Rescheduling of Examination. • To start NMU buses like private colleges • OBC Scholarship to the students of Journalism. • ST and OBC Scholarship to the students of Dr. Ambedkar Thoughts.	Most of the grievances are sorted out by directing the concerned section in charges to take appropriate action immediately
2	5.12.2016	12	• Delay in Ph.D. Viva-voce	
3	19.12.2016	5	• Regarding Biodiversity	
4	16.1.2017	1	• To Waive off tuition fees	

Sr. No.	Programme Details (Dates)	No. of Participants	Major Grievances	Action Taken
5	6.2.2017	12	• Psychological Lab and full time Lecturer • Exam Pattern and Result • Fellowship	Most of the grievances are sorted out by directing the concerned section in charges to take appropriate action immediately
6	6.3.2017	40	• International research student registration • Verification of Practical Papers • Decrease the admission Fees • Problems in IMR, Jalgaon • Regarding Photocopy fees	
7	20.3.2017	6	• To seek additional opportunity for exam. • Regarding VCRM's Project	
8	17.4.2017	2	• Mistakes in ME Sample Answer Sheet	
9	15.5.2017	2	• Regarding Ph.D. Entrance • Asking for documentary proofs through RTI regarding copy Case.	

ii) Clean Campus Mission

Swachha Bharat Abhiyan or Clean India Mission is a campaign which aims to clean up the streets, roads and infrastructure of cities, smaller towns, and rural areas of the country. Ministry of Human Resource Development, Government of India has taken initiative to implement this mission in the jurisdiction of universities by promoting the stakeholders of the universities.

The University affiliated colleges are encouraged to swear the oath of cleanliness to their students and employees, the activities are carried out both the university campus and affiliated Colleges and nearby towns/ cities under the juridiction of the university the details of the activities under this mission are summarised in the table.

A. Details of the activities conducted on university campus under Clean Campus Mission (Swachha Bharat Abhiyan)

Sr. No.	Date and day	Event details	No. of Participants
1	4.11.2016 Friday	Clean Campaign Public awareness and cleanliness assurance program (5pm - Mahatma Gandhi Hill, NMU)	550
2	5.11.2016 Saturday	Clean Campus Campaign / Shramdaan - School of Social Sciences (10.00am to 5.00pm - minimum 2 hours)	86
3	6.11.2016 Sunday	Clean Campus Campaign / Shramdaan (08.00 am to 10.00 am) (staff Quarter, girls Hostel, Teacher building)	350

Sr. No.	Date and day	Event details	No. of Participants

4	7.11.2016 Monday	Clean Campus Campaign / Shramdaan (Life Science, Env.Sci, UICT, Chem. Sci) (10.00am to 5.00pm - minimum 2 hours)	230
5	8.11.2016 Tuesday	Clean Campus Campaign / Shramdaan (Physical Sci/ Library) (10.00am to 5.00pm - minimum 2 hours)	105
6	9.11.2016 Wednesday	Clean Campus Campaign / Shramdaan **(Language Studies/ Math/ Computer/ Mgt. Studies)** (10.00am to 5.00pm - minimum 2 hours)	234
7	10.11.2016 Thursday	Clean Campus Campaign / Shramdaan All in the university **Satellite Centre (Amalner/Dhule/Nandurbar)** (10.00am to 5.00pm - minimum 2 hours)	174
8	11.11.2016 Friday	Clean Campus Campaign for Jalgaon city/ Shramdaan The bus stands in Jalgaon city, District General Hospital, Bhaskar Market and B. J. Market premises (3:00 pm to 6:00 pm)	550
9	12.11.2016 Saturday	Clean Campus Campaign / Shramdaan (Paldhi Village and Premises)	104
10	13.11.2016 Sunday	Clean Campus Campaign / Shramdaan (Boys and Ladies Hostel Campus)	759
11	15.11.2016 Tuesday	Clean Campus Campaign / Shramdaan (Administrative Building to Main Gate)	350

The university teachers, administrative staff, contractual staff and university daily wages staff have participated in the activity.

A. Details of activities conducted by affiliated college under clean campus mission (Swachha Bharat Abhiyan)

Swachha Bharat, People's involvement sustainability					
Activity		**No of Program/ Campus/ activity organized**	**No of NSS Volunteers involved**		**No of Beneficiaries/ output**
			Male	**Female**	**Total**	
Swachha Bharat Abhiyan	Cleaning of School, Colleges	87	14789	8523	23312	116560
	Cleaning of hospital/PHCs	40	3736	2413	6149	40
	Cleaning of offices complexes, toilets and garbage of District Zonal offices	87	7585	5683	13268	435
	Cleanliness drive to clean street and common places	87	8520	4772	13292	236
	Motivation resulting into construction of toilets	87	7173	4285	11458	208
	Maintenance and repair of cremation grounds and play grounds	87	7891	4211	12102	92
Defecation Free Campaign: Motivation resulting into construction of toilets/ activity for construction of toilet		87	7585	5683	13268	1) No of Toilets of pits-421 2) No of Villages made-73 Defecation free-08 3) eneficiaries-1684
Shramadan Programme		**87**	**13120**	**4960**	**18080**	**152720**

The University has 87 NSS units in the affiliated colleges comprising 15000 volunteers the above activities are conducted with the involvement of NSS volunteers.

- *Clean Campaign Public awareness and cleanliness assurance program (5pm - Mahatma Gandhi Hill, NMU):*

- *Clean Campus Campaign / Shramdaan – Schools on campus:*

- *Clean Campus Campaign / Shramdaan All in the university Satellite Centre (Amalner/Dhule/Nandurbar)*

- *Clean Campus Campaign for Jalgaon city/ Shramdaan The bus stands in Jalgaon city, District General Hospital, Bhaskar Market and B. J. Market premises (3:00 pm to 6:00 pm)*

- *Clean Campus Campaign for Jalgaon city: Congratulation for success of activity by Vice chancellor, Road show by students of social work for awareness of cleanness.*

- *Clean Campus Campaign / Shramdaan (Paldhi Village and Premises)*

- *Clean Campus Campaign / Shramdaan (Administrative Building to Main Gate)*

7.4 Contribution to environmental awareness / protection

- **Energy conservation:**

    i. The university has conducted energy audit from external agency MEDA, the audit remarks are analysed and implemented the corrective measures.

    ii. Planning and construction of Administrative and School Buildings with easy accessibility for natural daylight and ventilation.

    iii. The faculty members, administrative staff and students are encouraged to use electricity with care.

    iv. The University is using energy efficient lamps (CFL/LED) and solar water heater for energy conservation.

    v. Use of star marked gadgets to reduce energy/power consumption. Virtualization of IT equipment's to minimize the computer purchases is adopted in some Schools.

- **Use of renewable energy:**

    i. Initiatives towards use of renewable energy through adequate installation of Solar Street Lights in University campus and Solar Water Heaters in University Guest House and Hostels.

    ii. Established Bio-gas Plant near the Girls' Hostel.

- **Water harvesting:**

    The University is located on the bank of river Girna which provides rich source of underground water. Total 04 wells on the campus are utilized to supply water for drinking, laboratory usages and gardening. Rain water from the roof of the buildings is collected and siphoned for re-charging water reservoirs and bore wells on the campus.

- **Check dam construction:**

    Around **69 Bunds** (*Bandhara*s) are constructed on the campus through N.S.S. Volunteers to develop watershed and **02 Check Dams** have been constructed through special budgetary allocation.

- **Efforts for Carbon neutrality:**

    The campus is surrounded by numerous hills and is located 8 kms from the main city (between 20º and 21º North latitudes and 74º55' to 76º28'East longitudes, in the northern part of the state, above mean sea level – 208.51 m). The large number of existing plantation on the campus promote carbon neutrality. Hence, the campus is free from carbon emission. Specific plants such as – Karanj (*Pongamia* sp.) have been planted on 5 acres to support future Biodiesel Programme of the University.

- **Plantation:**

    The N.S.S. Unit of the University as well as the Units of affiliated colleges organize tree plantation and ecological awareness programmes every year on the campus. The mass plantation have been undertaken by NSS volunteers with due support by the Garden section, students, teaching and administrative staff of the university.

    The water resources are created in the form of wells and bore wells to satisfy the water requirement of the plantation. The artificial ponds are created to recharge the ground water on the university campus.

- **Hazardous waste management:**

  The staff and research students, while undertaking experimental work in laboratories, take utmost care in minimal generation of hazardous waste. Waste solvents from analysis and synthesis are gathered and purified by distillation for reuse/recycle. The University has prohibited the use of plastics on the campus.

- **e-waste management:**

  The University donates old computers, monitors, printers to the schools of rural Areas/NGO/Public libraries to promote ICT tools among school going children.

- **Any other**

  i. The N.S.S. units of the University and Colleges are encouraged to adopt the *Gramdattak* Yojana and facilitate environment awareness not only amongst the students but also in the villagers.

  ii. Watershed Management Programmes have been undertaken in different villages of the jurisdiction of North Maharashtra University with financial help and students support.

7.5   Whether environmental audit was conducted?   Yes ☐   No ☑

7.6   Any other relevant information the institution wishes to add. (For example SWOT Analysis)

- **Strengths :**

  i.   A legacy of visionary and dynamic leadership.

  ii.   Youthful, motivated and committed teaching and non-teaching staff.

  iii. Sincere, hardworking and diligent students, mostly coming from tribal and rural areas are our assets.

  iv.   Innovative, applied, need based and job oriented academic programmes.

  v.   Wide-ranging and high quality research, enhanced research funding and increased research publications in reputed National/International journals with high impact factor and cumulative h-index of 33 (Web of Science).

  vi.   Total 43 MoUs signed with various National/International organizations.

  vii. Fair and error proof examination system is our credo.

  viii. Digitalized process of efficient online mode of working towards paperless governance.

  ix.   Successful in maintaining the campus and affiliated colleges strife-free, healthy with spirit of interaction and mutuality.

  x.   Vast (660 acres), peaceful and pollution free pleasantly green campus, preservation of our cultural heritage in several buildings. The environment is conducive for academic and research ambiance.

  xi.   Use of ICT tools to bring in efficiency, transparency and credibility in examinations, administration and finance.

- **Weaknesses :**

    i. Shy students with poor communication skills and lack of adequate exposure due to the tribal and rural background is our major weakness.
    ii. Insufficient employability opportunities at the local level.
    iii. Acute shortage of additional permanent faculty and thereby reliance on contract and contributory teachers is our helplessness.

- **Opportunities :**

    i. Promotion of inclusive growth and development being rural location with predominantly tribal population.
    ii. Adoption of new technologies and academic courses to keep pace with changing global trends.
    iii. Focused, motivated and receptive student community, majority first generation graduate learners.
    iv. To address local needs keeping a global perspective.

- **Challenges :**

    i. To break bureaucratic red-tape and traditional mind-set of the stakeholders.
    ii. Elevation of the University at par with global standards of learning.

8. Plans of institution for next year:

    i. Transportation facility from city to University and local transportation
    ii. Open day for PG students to show answer sheet of external examinations to clear the doubts of students by the concern faculty. University is planning to start the project on pilot basis with implementation at one or two schools and then extending the same if successful.
    iii. Question paper generation using question bank on pilot basis.
    iv. Mobile app for the university.
    v. Centralised RO Plant for safe drinking water.
    vi. Capacity building for Students/Teachers/Nonteaching employees.
    vii. Student facilitation centres at remote locations in the jurisdiction of University.
    viii. Establishment of Pt. Dindayal Upadhyay chair under school of thoughts.
    ix. Establishment of State of the art Online Examination Center in campus.
    x. Establishment of Inclusive Education Centre for the person with disabilities.
    xi. Establishment of Women Club and University employees.

(Prof. S.T. Ingle)
Director, IQAC

(Prof. P.P. Patil)
Vice-Chancellor

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