



॥ अंतरी पेटवू ज्ञानज्योत ॥

KBCNMU
JALGAON



Annual Quality Assurance Report (AQAR) 2018-19



Kavayitri Bahinabai Chaudhari
North Maharashtra University, Jalgaon

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

The Annual Quality Assurance Report (AQAR) of the IQAC
(July 1, 2018 to June 30, 2019)

Part – A

Data of the Institution

(Data may be captured from IIQA)

- 1. Name of the Institution** : **Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon**
- Name of the Head of the institution : **Prof. Pradip Premchand Patil**
 - Designation : **Vice-chancellors**
 - Does the institution function from own campus : **Yes**
 - Phone no. /Alternate phone no : **02572258401**
 - Mobile no : **9423185071**
 - Registered Email : **vco@nmu.ac.in**
 - Alternate Email : **iqac@nmu.ac.in**
 - Address : **National Highway 6, Umavi Nagar, Jalgaon – 425 001.**
 - City/Town : **Jalgaon**
 - State/UT : **Maharashtra**
 - Pin Code : **425001**
- 2. Institutional status:**
- University: State /Central/Deemed/Private: **State**
(Tick appropriate)
 - Type of Institution: Co-education/Men/Women : **Co-Education**
 - Location : Rural/Semi-urban/Urban : **Rural**
 - Financial Status: Centrally funded/state Funded/Private (Please specify) : **State funded**
 - Name of the IQAC Co-ordinator/Director : **Prof. S. T. Ingle**
 - Phone no. /Alternate phone no. : **(0257) 2257345**
 - Mobile : **9421566793**
 - IQAC e-mail address : **iqac@nmu.ac.in**
 - Alternate Email address : **sopan.ingle@gmail.com**

3. Website address : www.nmu.ac.in

Web-link of the AQAR: (Previous Academic Year): <http://nmu.ac.in/igac/AQAR-reports>

4. Whether Academic Calendar prepared during the year?

Yes/No, if yes, whether it is uploaded in the Institutional website: **Yes**

Weblink: <http://nmu.ac.in/Student-Corner/Academics/Academic-Calendar>

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	Four Star	-	2001	from:2001 to: 2005
2 nd	B	2.88	2009	from:2009 to: 2014
3 rd	A	3.11	2015	from:2015 to: 2020

6. Date of Establishment of IQAC : DD/MM/YYYY: 09.05.2006

7. Internal Quality Assurance System:

7.1 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
AQAR Revised Guideline Meeting	02/07/2018	06
Regarding MOU Meeting	02/07/2018	04
Regarding MOU Meeting	16/08/2018	04
Regarding MOU Meeting	10/09/2018	02
Regarding workshop on Non Accredited colleges	31/12/2018	06
Regarding Moodle LMS	15/02/2019	04
Regarding Moodle LMS	16/02/2019	04
Regular meeting of IQAC is arranged.	18/02/2019	10
Environmental Green Audit Meeting	16/04/2019	04
Meeting of all Directors and co-ordinator for the preparation of accreditation by NAAC, Bangalore	16/04/2019	25
Timely Submission of Annual Quality Assurance Report (AQAR) to NAAC	27/12/2018	IQAC Team
Academic Administrative Audit (AAA) conducted and its follow up action	2015-16 to 2017-18	All students, faculty members and support staff
Feedback from Students	April/May 2018	1120
Participation in NIRF	07/12/2018(17-18)	Institute

Note: Some Quality Assurance initiatives of the institution are: (Indicative list)

- Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements
- Academic Administrative Audit (AAA) conducted and its follow up action
- Participation in NIRF
- ISO Certification
- NBA etc.
- Any other Quality Audit

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
School of Computer Sciences	UGC SAP DRS-II	UGC New Delhi	2018(2018-23)	57.5 + one Project Fellow
School of Environmental and Earth Sciences	UGC-SAP-DRS, Phase II	UGC New Delhi	2015(2015-2020)	72.5 Lacs
School of Chemical Sciences	UGC-SAP-DRS II	UGC, New Delhi	2015(2015-2020)	Rs. 190 Lacs
School of Life Sciences	DST-FIST (Level 1)	DST, New Delhi	6 th Sept. 2018 (2018-2022)	135 Lacs

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

*upload latest notification of formation of IQAC:

10. No. of IQAC meetings held during the year: 01

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

Yes

<http://nmu.ac.in/iqac>

(Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its

activities during the year? Yes No

If yes, mention the amount:

Year:

12. Significant contributions made by IQAC during the current year (maximum five bullets):

- * IQAC has initialised the process of revising syllabi of the programs as per the UGC CBSC guidelines. All efforts are taken to incorporate the skill-based courses in the syllabi of all programme conducted on the university campus.

- * IQAC organised workshop on NAAC Awareness for the non- accreditation and due for accreditation Institutes / College to make aware regarding the new framework of accreditation.
- * The IQAC has developed mechanism for Student/Parent/Alumni feedback and the individual schools are informed to consider the feedback while revising the syllabi of the programs
- * The Academic Audit of the University Schools is conducted, and the suggestions emerged during the audit are sent to the schools for implementations and to enhance the quality of educations.
- * The IQAC has initialise steps towards conduct of Green Audit/ Energy Audit of the University.

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

Plan of Action	Achievements/Outcomes
The green Vehicle facilities for internal transportation will be expanded	The University has made available the internal transportation to the needy students free of cost by green vehicle
The skill and value based courses will be introduced in the syllabi of academic programs conducted on the campus.	The University has adopted CBCS Pattern from Academic Year 2015-16. As per the new guideline of UGC, the skill based courses are prepared for introduction in each programme conducted on the campus from the academic year 19-20.
The process of placement will be strengthen, and efforts will be made to attract more industries for campus placement.	The CTPC of the University has taken initiative for placement of the students. During the academic year 2018-19 the CTPC has placed 149 students in well reputed organisation.
The feedback from all the stakeholders will be made compulsory for all programs on the Campus	The feedback from the student of was collected by concerned school on the campus
The budgetary Provision for research fellowship and incentive to the faculty members publishing research paper in well reputed journal.	The policies regarding research fellowships and incentive are to the prepared by the University. These policies will be implemented from academic year 2019-20
Establishment of University Incubation Centre for promotion of start up	Grant of Maharashtra has sanctioned Rs 5 Crore for the University Incubation Centre. The University has initiated the process of registration of incubation centre
To establish Wi-Fi facilities of University Campus	Wi-Fi had been set up for campus through RUSA Grant.
Installation of clean Drinking water Plant	The university has established “ Swachha Jal ” Clean drinking water plant with collaboration NCL Pune.

14. Whether the AQAR was placed before statutory body? Yes

Name of the statutory body: Management Council

Date of meeting(s) : **28.10.2020**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?

No

Date

:

Nil

16. Whether institutional data submitted to AISHE: Yes/No: Yes

Year: 2019

Date of Submission: 02/05/2019

17. Does the Institution have Management Information System?

Yes

No

If yes, give a brief description and a list of modules currently operational. (Maximum 500 words)

- 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.
- Various online services are provided partly through in-house IT developments and partly through Third Party Engagements.
- The 1 GBPS connectivity under NMEICT Project of MHRD has been established on the campus.
- E-library services are managed through the Information Scientists working at Central Library.
- The Financial transactions and HR issues of administration department are handled using SAP since last 9 years and Business Intelligence tool is used for effective decision making.
- Affiliation and Research Section is having online affiliation process, approval process and PhD admission process which always helps to take appropriate decisions at university level and government.
- All the students admitted through e-Suvidha portal and registered for eligibility, Examination forms are online generated and submitted. Students get their hall tickets on their login and concern colleges / university departments get various exam reports through e-Suvidha Portal. The results are process using softwares and are declared on official portal of the university.
- The examination department is issuing online appointments to examiners, paper setters, flying squad etc.

Part-B**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	Dates of revision
M.A.-Music (Vocal)	1209	2 July 2019
M.A.-Music (Tabla)	1210	2 July 2019
M.A.-Defence and Strategic Studies	2208	2 July 2019
M.A. MCJ	2217	2 July 2019
M.A.-History	2201	2 July 2019
M.A.-Sociology	2204	2 July 2019
M.A.-Economics	2205	2 July 2019
M.A.-Psychology	2206	2 July 2019
M.B.A	8202	2 July 2019
M.Sc.-Computer Science	3217	2 July 2019
M.Sc.-Information Technology	3224	2 July 2019
M.C.A.	3250	2 July 2019
M.A.-Philosophy	2207	2 July 2019
M.S.W.	2209	2 July 2019
M.A.-Political Science	2215	2 July 2019
M.A.-Dr. Ambedkar Thought	2218	2 July 2019
M.A.-Womens Studies	2221	2 July 2019
M.Ed	9201	2 July 2019
B.M.S.	8105	2 July 2019
M.Sc-Chemistry with Specialization in Polymer Chemistry	3209	2 July 2019
M.Sc-Chemistry with Specialization in Industrial Chemistry	3210	2 July 2019
M.Sc-Chemistry with Specialization in Pesticides & Agrochemicals	3212	2 July 2019
M.Sc-Chemistry with Specialization in Organic Chemistry	3230	2 July 2019
M.Sc-Chemistry with Specialization in Analytical Chemistry	3231	2 July 2019
M.Sc-Chemistry with Specialization in Physical Chemistry	3232	2 July 2019
M.Sc.-Environmental Science	3225	2 July 2019
M.Sc-Applied Geology	3226	2 July 2019
M.Sc. - Applied Geography [Under Science Faculty]	3228	2 July 2019
M.Tech-Environmental Science & Technology	6231	2 July 2019
M.Sc.-Microbiology	3220	2 July 2019
M.Sc-Biotechnology	3221	2 July 2019
M.Sc-Biochemistry	3222	2 July 2019
B.Sc. (Actuarial Science)	3122	2 July 2019
M.Sc-Statistics (with Specialization in Industrial Statistics)	3215	2 July 2019
M.Sc-Mathematics (with Specialization in Computational Mathematics)	3216	2 July 2019
M.Sc-Electronics	3203	2 July 2019
M.Sc-Physics with Specialization in Energy Studies	3204	2 July 2019
M.Sc-Physics with Specialization in Material Science	3205	2 July 2019
M.A.-English	1201	2 July 2019
M.A.-Marathi	1202	2 July 2019
M.A.-Hindi	1203	2 July 2019

1.1.2 Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year:

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
M.Sc. Environmental Science(3225)	1999	Environmental Monitoring for EIA (EES - 302)	2 July 2019
M.Sc. Environmental Science(3225)	1999	Industrial Safety, Hygiene and Toxicology. (EES - 401)	2 July 2019
M. Sc. Applied Geology(3226)	2007	Hydrogeology (GS - 402)	2 July 2019
M. Sc. Applied Geography(3228)	2010	Surveying(GG - 404)	2 July 2019
M. Tech. Environmental Science and Technology	2008	Environmental System Optimization and Modelling (MTE - 102)	2 July 2019
M. Tech. Environmental Science and Technology	2008	Industrial Pollution Control (MTE - 201)	2 July 2019
B.Tech. (Chemical Engg/Plastic Tech. /Oil Tech. /Paint Tech. / Food Tech.) (6109)	1195	Communication Skills(HMC-101)	2 July 2019
B.Sc. (Actuarial Science)	2010	Practicals-II (AS-205)	2 July 2019
B.Sc. (Actuarial Science)	2010	Principles of Macroeconomics (AS-303)	2 July 2019
B.Sc. (Actuarial Science)	2010	Financial Accounting (AS-404)	2 July 2019
B.Sc. (Actuarial Science)	2010	Practicals-IV (AS-405)	2 July 2019
B.Sc. (Actuarial Science)	2010	Survival Models (AS-501)	2 July 2019
B.Sc. (Actuarial Science)	2010	Life Contingencies-II (AS-504)	2 July 2019
B.Sc. (Actuarial Science)	2010	Stochastic Modeling (AS-601)	2 July 2019
B.Sc. (Actuarial Science)	2010	Total Quality Management and Statistical Process Control (AS-602)	2 July 2019
B.Sc. (Actuarial Science)	2010	Credibility Theory & Loss Distributions (AS-603)	2 July 2019
B.Sc. (Actuarial Science)	2010	Financial Economics (AS-604)	2 July 2019
M.Sc. Physics (Energy Studies/Materials Science)	1992	Electronics	2 July 2019
M.Sc. Physics (Energy Studies/Materials Science)	1992	Experimental Techniques And Data Analysis	2 July 2019
M.Sc. Physics (Energy Studies/Materials Science)	1992	Renewable Energy	2 July 2019
M.Sc. Physics (Energy Studies/Materials Science)	1992	Solar Photovoltaic Grid Connected Systems	2 July 2019
M.Sc. Physics (Energy Studies/Materials Science)	1992	Energy Conversion And Management	2 July 2019
M.Sc. (Electronics)	1991	Industrial Automation and Control	2 July 2019
M.Sc. (Electronics)	1991	Java Programming and Web Technology	2 July 2019
M.A. Sociology	2010	Sociology of Development	2 July 2019
M.A. Sociology	2010	Theoretical Perspective In Sociology	2 July 2019
M.A. Sociology	2010	Gender and Society	2 July 2019
M.A. Sociology	2010	Education And Society	2 July 2019
M.A. Sociology	2010	Social Movement in India	2 July 2019
M.A. Sociology	2010	Dissertation	2 July 2019

M.A. Sociology	2010	Theoretical Perspective on Indian Soc.	2 July 2019
M.A. Sociology	2010	Gender and Society	2 July 2019
M.A. Sociology	2010	Sociology of Ageing	2 July 2019
M.A. Sociology	2010	Social Welfare in India	2 July 2019
M.A. Political Sciences	2011	Research Methodology	2 July 2019
M.A. Political Sciences	2011	Comparative Political Process	2 July 2019
M.A. Political Sciences	2011	International Relations	2 July 2019
M.A. Political Sciences	2011	Political Theories and Key Concepts	2 July 2019
M.A. Political Sciences	2011	UN and Regional Organizations	2 July 2019
M.A. Political Sciences	2011	Research Methodology	2 July 2019
M.A. Political Sciences	2011	Comparative Political Process	2 July 2019
M.A. Political Sciences	2011	International Relations	2 July 2019
M.A. Political Sciences	2011	Political Theories and Key Concepts	2 July 2019
M.A. Political Sciences	2011	UN and Regional Organizations	2 July 2019

1.2 Academic Flexibility:

1.2.1 New programmes/courses introduced during the Academic year.

Programme/Course	Programme Specialization	Date of introduction
Theoretical Perspective in Sociology	M.A. Sociology	15 July 2018
Education and Society	M.A. Sociology	15 July 2018
Social Movement in India	M.A. Sociology	15 July 2018
Dissertation	M.A. Sociology	15 July 2018
Theoretical Perspective on Indian Society	M.A. Sociology	15 July 2018
Sociology of Ageing	M.A. Sociology	15 July 2018
Social Welfare in India	M.A. Sociology	15 July 2018
Calculus	B.Sc. Actuarial Science	15 July 2018
Practical's- I	B.Sc. Actuarial Science	15 July 2018
Mathematical Analysis	B.Sc. Actuarial Science	15 July 2018
Environment Studies	B.Sc. Actuarial Science	15 July 2018
Sampling Distributions	B.Sc. Actuarial Science	15 July 2018
R Programming and Numerical Methods	B.Sc. Actuarial Science	15 July 2018
Surveys Sampling & Indian Official Statistics	B.Sc. Actuarial Science	15 July 2018
Total Quality Management and Statistical Process Control	B.Sc. Actuarial Science	15 July 2018
Induction program	B.Tech. Chem. Engg.	15 July 2018
Induction program	B.Tech. Plastics	15 July 2018
Induction program	B.Tech. Paints	15 July 2018
Induction program	B.Tech. Oil, Fats & Waxes	15 July 2018
Induction program	B.Tech. Food	15 July 2018
Indian Constitution	B.Tech. Chem. Engg.	15 July 2018
Indian Constitution	B.Tech. Plastics	15 July 2018
Indian Constitution	B.Tech. Paints	15 July 2018
Indian Constitution	B.Tech. Oil, Fats & Waxes	15 July 2018
Indian Constitution	B.Tech. Food	15 July 2018
Essence of Indian Traditional Knowledge	B.Tech. Chem. Engg.	15 July 2018
Essence of Indian Traditional Knowledge	B.Tech. Plastics	15 July 2018
Essence of Indian Traditional Knowledge	B.Tech. Paints	15 July 2018
Essence of Indian Traditional Knowledge	B.Tech. Oil, Fats & Waxes	15 July 2018
Essence of Indian Traditional Knowledge	B.Tech. Food	15 July 2018

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	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
		M.A.-Instrumental Music (Tabla) M.A.-Music (Vocal) M.A.-Defence and Strategic Studies M.A. MCJ M.A.-English M.A.-Marathi M.A.-Hindi M.A.-History M.A.-Sociology M.A.-Economics M.A.-Psychology M.A.-Philosophy M.S.W. M.A.-Political Science M.A.-Dr. Ambedkar Thought M.A.-Women's Studies M.Ed M.B.A M.Sc.-Chemistry with Specialization in Polymer Chemistry M.Sc.-Chemistry with Specialization in Industrial Chemistry M.Sc.-Chemistry with Specialization in Pesticides & Agrochemicals M.Sc.-Chemistry with Specialization in Organic Chemistry M.Sc.-Chemistry with Specialization in Analytical Chemistry M.Sc.-Chemistry with Specialization in Physical Chemistry M.Sc-Computer Science M.Sc-Information Technology M.C.A.	B.Tech-Chemical Engineering B.Tech-Plastics Technology B.Tech-Paints Technology B.Tech-Oils,Fats & Waxes Technology		M.A.-Instrumental Music(Tabla) M.A.-Music (Vocal) M.A.-Defence and Strategic Studies M.A. MCJ M.A.-English M.A.-Marathi M.A.-Hindi M.A.-History M.A.-Sociology M.A.-Economics M.A.-Psychology M.A.-Philosophy M.S.W. M.A.-Political Science M.A.-Dr. Ambedkar Thought M.A.-Women's Studies M.Ed M.B.A M.Sc-Chemistry with Specialization in Polymer Chemistry M.Sc-Chemistry with Specialization in Industrial Chemistry M.Sc-Chemistry with Specialization in Pesticides & Agrochemicals M.Sc-Chemistry with Specialization in Organic Chemistry M.Sc-Chemistry with Specialization in Analytical Chemistry M.Sc-Chemistry with Specialization in Physical Chemistry M.Sc-Computer Science M.Sc-Information Technology M.C.A. M.Sc. - Applied Geography [Under Science Faculty] M.Sc.-Environmental Science M.Sc-Applied Geology M.Tech-Environmental Science & Technology M.Sc.-Microbiology

	M.Sc. - Applied Geography [Under Science Faculty] M.Sc-Environmental Science M.Sc-Applied Geology M.Tech-Environmental Science & Technology M.Sc-Microbiology M.Sc-Biotechnology M.Sc-Biochemistry M.Sc-Statistics (with Specialization in Industrial Statistics) M.Sc-Mathematics (with Specialization in Computational Mathematics) M.Sc-Electronics M.Sc-Physics with Specialization in Energy Studies M.Sc-Physics with Specialization in Material Science		M.Sc-Biotechnology M.Sc-Biochemistry M.Sc-Statistics (with Specialization in Industrial Statistics) M.Sc-Mathematics (with Specialization in Computational Mathematics) M.Sc-Electronics M.Sc-Physics with Specialization in Energy Studies M.Sc.-Physics with Specialization in Material Science M.Tech-VLSI Technology M.Tech-Chemical Engineering M.Tech-Paints Technology M.Tech-Polymer Technology M.Tech-Nano Science & Technology M.Tech-Food & Fermentation Technology M.A. (Philosophy)
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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
Certificate course in Industrial Safety and Management	2018-19	40
Certificate Course in Cyber Security	23/02/2019 to 17/03/2019	70

1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
MBA	60
BMS/BBM	29
M.Sc. Statistics (with specialization in industrial Statistics)	58
M.Sc.(Environmental Science)	25
M.Sc.(Applied Geology)	19
M.Sc.(Applied Geography)	13
M.Tech. (Environmental Science and Technology)	09
MCA	53
M.Sc.(Computer Science)	54
M.Sc.(Information Technology)	38
M.Ed.	20

1.4 Feedback System:

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	Yes	Yes	Yes

1.4.2 How the feedback obtained is being analysed and utilized for overall development of the institution? (Maximum 500 words)

The Internal Quality Assurance Cell has designed format for feedback from the various stakeholders viz student, teacher, alumni, Employer's and parents. These format were sent to the Directors of the respective schools with appeal to seek the feedback of various stakeholders of their school.

Student Feedback: The format includes the feedback of students on subject knowledge, communication skill, Use of ICT, punctuality and regularity of the teachers. Some item on assessment and attitude of teachers toward the students are also a part this feedback.

Teachers Feedback: The teacher's feedback mainly covers the opinion on the exiting syllabi of the programs that are being conducted on the university campus. The need based, current content, outcome, need of revision of the syllabi is also a part of the format.

Alumina Feedback: This include the feedback on overall functioning of the university in the student's related matter. It includes the opinion of alumina on syllabi, physical infrastructure and activities of T and P cell of the university.

Employers' Feedback: The relevance for employability, development of innovative thinking and skill acquired by the students employed in various organisation is a part of this feedback along with suggestions on recent trends to incorporate in the syllabus.

Parent's Feedback: This includes mainly the satisfaction of parents on quality of teaching, examination system and skill based/ job oriented nature of the curricula and administrative procedures of the university.

The feedback is collected and being analysed by the respective school. The analysis report is collected by the IQAC for further action.

The IQAC has prepared the consolidated report on the feedback analysis of the schools and submitted to Hon'ble Vice chancellor for Necessary action. Accordingly, Hon'ble Vice chancellor has issued orders to the concerns section to fulfil the requirements which are of common interest like safe drinking water and revision of syllabi as per UGC NSQF Guidelines.

CRITERION II -TEACHING-LEARNING AND EVALUATION:**2.1 Student Enrolment and Profile****2.1.1 Demand Ratio during the year**

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
M.A.-Music (Vocal)	25	8	8
M.A.-Defence and Strategic Studies	20	17	17
M.A. MCJ	30	23	16
M.Sc.-Chemistry with Specialization in Polymer Chemistry	15	311	17
M.Sc.-Chemistry with Specialization in Industrial Chemistry	15	249	17
M.Sc.-Chemistry with Specialization in Pesticides & Agrochemicals	15	216	17
M.Sc.-Chemistry with Specialization in Organic Chemistry	23	644	26
M.Sc.-Chemistry with Specialization in Analytical Chemistry	15	408	18
M.Sc.-Chemistry with Specialization in Physical Chemistry	10	146	11
M.Sc.-Computer Science	60	206	60
M.Sc.-Information Technology	45	37	18
M.C.A.	60	DTE*	60
M.Ed.	50	State CET CELL	13
M.Sc.-Environmental Science	25	25	23
M.Sc.-Applied Geology	20	18	16
M.Sc. - Applied Geography [Under Science Faculty]	20	69	20
M.Tech-Environmental Science & Technology	12	5	5
M.A.-English	30	22	22
M.A.-Marathi	30	12	12
M.A.-Hindi	30	8	8
M.Sc.-Microbiology	25	160	25
M.Sc.-Biotechnology	25	88	24
M.Sc.-Biochemistry	25	71	24
M.B.A	60	DTE*	60
M.Sc.-Statistics (with Specialization in Industrial Statistics)	30	108	52
M.Sc.-Mathematics (with Specialization in Computational Mathematics)	40	242	48
M.Sc.-Electronics	30	16	13
M.Sc.-Physics with Specialization in Energy Studies	25	165	24
M.Sc.-Physics with Specialization in Material Science	25	195	28
M.A.-History	20	20	19
M.A.-Sociology	20	22	20
M.A.-Economics	30	27	27
M.A.-Psychology	20	11	10
M.A.-Philosophy	20	5	5
M.S.W.	50	102	49
M.A.-Political Science	20	40	19
M.A.-Dr. Ambedkar Thought	20	9	9
M.A.-Women's Studies	20	8	8
M.Tech-Chemical Engineering	18	9	9

M.Tech-Paints Technology	18	14	14
M.Tech-Polymer Technology	20	2	2
M.Tech-Nano Science & Technology	18	4	4
M.Tech-Food & Fermentation Technology	18	16	16
B.M.S.	60	60	60
B.Tech-Chemical Engineering	60	DTE*	62
B.Tech-Plastics Technology	15		15
B.Tech-Paints Technology	15		16
B.Tech-Oils, Fats & Waxes Technology	15		16
B.Tech-Food Technology	15		16

* The student for this program are admitted through Centralize admission process by DTE, Maharashtra.

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 full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018-19	761	1959	14	69	83

2.3 Teaching - Learning Process:

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

Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
85	83	LMS, Moodle, Swayam, Spoken Tutorial, Google Classroom, LCD Projection Systems, Smart Boards	44	03	E-Books, E-subscription to science direct, Journals, Video Lectures, Use of smartboards.

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

Kavayitri Bahinabai Chaudhari North Maharashtra University is committed to provide the students with mentors who can support them in achieving their personal, academic and career goals. Mentoring is one of the most powerful and efficient tools to help student academic growth. Therefore, the university intend to introduce a unique and innovative Mentor-Mentee Programme from the academic year 2018-2019.

This programme is set up to leverage the experience and expertise of KBCNMU faculty members to address, through one-to-one interaction, the mentorship needs of the students seeking professional and personal development. The faculty mentors would be from a wide range of experience of their respective subjects. Besides this, he also has the tremendous functional, inter-personal, administrative and leadership skills. A face-to-face meeting provides the most effective channel of communication and has a positive influence on the mentoring relationship.

Through this programme students will have the opportunity to enter a collaborative relationship with a mentor who will focus on their overall development. Mentors will offer support, encouragement, motivation and share skills that enable the students to achieve success. In this Programme, students are encouraged for participation in curricular, co-curricular and extra-curricular activities. The Career counselling, Presentations and Small Projects are conducted in the same mechanism.

In Mentor-Mentee Program, mentors focus on overall development of the students personally at Micro-level by conducting various activities to inculcate Teaching, Learning and Evaluation, Technical and Presentation Skills etc.

Aims and Objectives:

1. To promote mentoring relationships among teacher and students.
2. To encourage active participation of the students in academic and co-curricular activities by both parties.
3. To enhance students' educational, social and personal growth through learning from the experience of mentors.
4. To act as a bridge between students and institution.
5. To become instrumental in providing information and help regarding various activities and scholarship/financial assistance scheme to the students.

Constitution of Mentor–Mentee Programme:

1. Only regular faculty would be assigned mentorship with group shall be composed of senior and junior student
2. The School office shall maintain list of mentor-mentees, the records of meeting and action taken report at their end.
3. The consulted report of mentor mentee programme should be submitted at the end of every academic year to IQAC positively.

Mentors' Roles and Responsibilities:

1. Mentors may perform a variety of roles, such as model, advisor, friend, teacher and resource person. The Mentor can bring profound changes to the mentees' social, professional and academic perspectives.
2. Mentors will give feedback of the students on the Mentor-Mentee programme to the school/Institute.
3. Mentors will start working on the programme since starting of the academic year till the mentee pass out their final examination.

Mentees' Roles and Responsibilities:

1. Mentees may perform different roles such as student, trainee, friend, explorer, and supervisee.
2. Mentees can seek advice from mentors about career choice and the necessary preparation for success.
3. Mentee shall report regularly on progress of mentorship and give feedback about the Mentor-Mentee programme to the school/Institute.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
2720	83	1:32

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.
102	85	17	0	77

2.4.2 Honours and recognitions 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	Bendre Ratnamala Subhash	Professor (CAS)	UGC Mid Career Award UGC, New Delhi
2018	Ghayas Ahmad Usmani	Professor (CAS)	Continuous Contribution in Organisation of Govt. Officil Functions, Govt. Of Maharashtra
2018	Joshi Manish Ratnakar	Professor (CAS)	National Award for the outstanding efforts in translation of Popular Science and Technology for the year 2018, Department of Science and Technology of Government of India.
2018	Ingle Sopan Tukaram	Professor	Nominated for Leadership in Academia Programme organizes by IIT Roorkee and Michigan University, USA, MHRD Government of India
2018	Mahajan Ashok Mahadu	Professor (CAS)	“OVERSEAS FAMOUS TEACHER AWARD”, Ministry of Education (ME) and State Administration of Foreign Experts Affairs (SAFEA) , China
2019	Thorat Sanjaykumar Ramchandra	Professor (CAS)	Academics and Research National conclve and awards-2019, Center for Education and Social Development India
2018	Indani Manisha Vinaykumar	Asstt. Professor	Prof. T.R.Sharma Memorial Best Educationist Award-2018 Indian Psychometric and Educational Research Association (IPERA) Patana/ Agra
2018	Naik Jitendra Baliram	Professor	Best Research Paper Publication award Material Research Society of India, Bangalore
2018	Mohd. Talib Mohd. Ibrahim	Asstt. Professor	21th State level Masters Aquatic championship 2018 Gondiya distric masters Aquatic Association
2018	Koshti Rohan Dilip	Asstt. Professor	SAS Best Paper Award in Theory section for presenting research paper at National conference Department of Statistics, Savitribai Phule Pune university, Pune
2019	Bendre Ratnamala Subhash	Professor	UGC Mid career Award

2018	Indani Manisha Vinaykumar	Asstt. Professor	Prof. T.R.Sharma Memorial Best Educationist Award-2018
2019	Thorat Sanjaykumar Ramchandra	Professor (CAS)	Dr. APJ Abdul Kalam Lifetime achievement National Award
2018	Ashok M. Mahajan	Professor (CAS)	“Overseas Famous Teacher Award”
2019	Manish R. Joshi	Professor (CAS)	European Visiting Program at WUST, Wroclaw
2019	R P Bhavsar	Asso. Professor	European Visiting Program at the Technical University, Kosice
2019	V V Gite	Asstt. Professor	European Visiting Program at the Frederic University, Cyprus
2019	Anil Dongare	Professor (CAS)	European Visiting Program at Universidade NOVA de Lisboa, Portugal
2019	B L Chaudhari	Professor (CAS)	Poland - CABGIN - Establishment of Capacity Building Centers as a sustainable solution to raise the standards of teaching staff in Indian HEIs.

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
M.A.-Music (Vocal)	1209	Semester	06/12/2018	05/01/2019
M.A.-Defence and Strategic Studies	2208	Semester	06/12/2018	05/01/2019
M.A. MCJ	2217	Semester	06/12/2018	14/12/2018
M.Sc.-Chemistry with Specialization in Polymer Chemistry	3209	Semester	08/12/2018	04/01/2019
M.Sc.-Chemistry with Specialization in Industrial Chemistry	3210	Semester	08/12/2018	04/01/2019
M.Sc.-Chemistry with Specialization in Pesticides & Agrochemicals	3212	Semester	08/12/2018	02/01/2019
M.Sc.-Chemistry with Specialization in Organic Chemistry	3230	Semester	08/12/2018	02/01/2019
M.Sc.-Chemistry with Specialization in Analytical Chemistry	3231	Semester	08/12/2018	02/01/2019
M.Sc.-Chemistry with Specialization in Physical Chemistry	3232	Semester	08/12/2018	04/01/2019
M.Sc.-Computer Science	3217	Semester	26/11/2018	10/12/2018
M.Sc.-Information Technology	3224	Semester	28/11/2018	10/12/2018
M.C.A.	3250	Semester	28/12/2018	25/01/2019
M.Ed	9201	Semester	10/01/2019	05/02/2019
M.Sc.-Environmental Science	3225	Semester	29/11/2018	11/12/2018

M.Sc.-Applied Geology	3226	Semester	29/11/2018	08/12/2018
M.Sc. - Applied Geography [Under Science Faculty]	3228	Semester	29/11/2018	08/12/2018
M.Tech-Environmental Science & Technology	6231	Semester	22/11/2018	05/12/2018
M.A.-English	1201	Semester	06/12/2018	05/01/2019
M.A.-Marathi	1202	Semester	06/12/2018	05/01/2019
M.A.-Hindi	1203	Semester	06/12/2018	05/01/2019
M.Sc.-Microbiology	3220	Semester	04/12/2018	20/12/2018
M.Sc.-Biotechnology	3221	Semester	04/12/2018	20/12/2018
M.Sc.-Biochemistry	3222	Semester	04/12/2018	20/12/2018
B.M.S.	8105	Semester	20/12/2018	18/01/2019
M.B.A	8202	Semester	13/12/2018	09/01/2019
B.Sc. (Actuarial Science)	3122	Semester	10/12/2018	01/01/2019
M.Sc.-Statistics (with Specialization in Industrial Statistics)	3215	Semester	10/12/2018	03/01/2019
M.Sc.-Mathematics (with Specialization in Computational Mathematics)	3216	Semester	05/12/2018	31/12/2018
M.Sc.-Electronics	3203	Semester	19/11/2018	05/12/2018
M.Sc.-Physics with Specialization in Energy Studies	3204	Semester	29/11/2018	05/12/2018
M.Sc.-Physics with Specialization in Material Science	3205	Semester	29/11/2018	05/12/2018
M.A.-History	2201	Semester	06/12/2018	05/01/2019
M.A.-Sociology	2204	Semester	06/12/2018	05/01/2019
M.A.-Economics	2205	Semester	06/12/2018	05/01/2019
M.A.-Psychology	2206	Semester	06/12/2018	05/01/2019
M.A.-Philosophy	2207	Semester	06/12/2018	05/01/2019
M.S.W.	2209	Semester	06/12/2018	28/12/2018
M.A.-Political Science	2215	Semester	06/12/2018	05/01/2019
M.A.-Dr. Ambedkar Thought	2218	Semester	06/12/2018	05/01/2019
M.A.-Women's Studies	2221	Semester	06/12/2018	05/01/2019
B.Tech-Chemical Engineering	6109	Semester	04/12/2018	17/12/2018
B.Tech-Plastics Technology	6113	Semester	04/12/2018	17/12/2018
B.Tech-Paints Technology	6114	Semester	04/12/2018	17/12/2018
B.Tech-Oils, Fats & Waxes Technology	6115	Semester	04/12/2018	17/12/2018
B.Tech-Food Technology	6116	Semester	04/12/2018	17/12/2018
M.Tech-Chemical Engineering	6209	Semester	31/01/2019	04/02/2019
M.Tech-Paints Technology	6214	Semester	31/01/2019	04/02/2019
M.Tech-Polymer Technology	6229	Semester	31/01/2019	04/02/2019
M.Tech-Nano Science & Technology	6230	Semester	31/01/2019	04/02/2019
M.Tech-Food & Fermentation Technology	6249	Semester	31/01/2019	04/02/2019
M.A.-Music (Vocal)	1209	Semester	09/05/2019	17/05/2019
M.A.-Defence and Strategic Studies	2208	Semester	09/05/2019	07/06/2019
M.A. MCJ	2217	Semester	09/05/2019	22/05/2019

M.Sc.-Chemistry with Specialization in Polymer Chemistry	3209	Semester	15/05/2019	10/06/2019
M.Sc.-Chemistry with Specialization in Industrial Chemistry	3210	Semester	15/05/2019	10/06/2019
M.Sc.-Chemistry with Specialization in Pesticides & Agrochemicals	3212	Semester	15/05/2019	10/06/2019
M.Sc.-Chemistry with Specialization in Organic Chemistry	3230	Semester	15/05/2019	10/06/2019
M.Sc.-Chemistry with Specialization in Analytical Chemistry	3231	Semester	15/05/2019	10/06/2019
M.Sc.-Chemistry with Specialization in Physical Chemistry	3232	Semester	15/05/2019	10/06/2019
M.Sc.-Computer Science	3217	Semester	10/05/2019	03/06/2019
M.Sc.-Information Technology	3224	Semester	13/05/2019	03/06/2019
M.C.A.	3250	Semester	23/05/2019	05/07/2019
M.Ed	9201	Semester	21/05/2019	13/06/2019
M.Sc.-Environmental Science	3225	Semester	11/05/2019	23/05/2019
M.Sc.-Applied Geology	3226	Semester	11/05/2019	23/05/2019
M.Sc. - Applied Geography [Under Science Faculty]	3228	Semester	11/05/2019	23/05/2019
M.Tech-Environmental Science & Technology	6231	Semester	10/05/2019	23/05/2019
M.A.-English	1201	Semester	09/05/2019	07/06/2019
M.A.-Marathi	1202	Semester	09/05/2019	07/06/2019
M.A.-Hindi	1203	Semester	09/05/2019	07/06/2019
M.Sc.-Microbiology	3220	Semester	20/05/2019	04/06/2019
M.Sc.-Biotechnology	3221	Semester	20/05/2019	04/06/2019
M.Sc.-Biochemistry	3222	Semester	20/05/2019	04/06/2019
B.M.S.	8105	Semester	17/05/2019	06/06/2019
M.B.A	8202	Semester	22/05/2019	26/06/2019
B.Sc. (Actuarial Science)	3122	Semester	09/05/2019	01/06/2019
M.Sc.-Statistics (with Specialization in Industrial Statistics)	3215	Semester	09/05/2019	01/06/2019
M.Sc-Mathematics (with Specialization in Computational Mathematics)	3216	Semester	10/05/2019	23/05/2019
M.Sc-Electronics	3203	Semester	03/05/2019	20/05/2019
M.Sc-Physics with Specialization in Energy Studies	3204	Semester	14/05/2019	20/05/2019
M.Sc-Physics with Specialization in Material Science	3205	Semester	14/05/2019	20/05/2019
M.A.-History	2201	Semester	09/05/2019	07/06/2019
M.A.-Sociology	2204	Semester	09/05/2019	07/06/2019
M.A.-Economics	2205	Semester	09/05/2019	07/06/2019
M.A.-Psychology	2206	Semester	09/05/2019	07/06/2019
M.A.-Philosophy	2207	Semester	09/05/2019	07/06/2019
M.S.W.	2209	Semester	09/05/2019	07/06/2019
M.A.-Political Science	2215	Semester	09/05/2019	07/06/2019

M.A.-Dr. Ambedkar Thought	2218	Semester	09/05/2019	04/06/2019
M.A.-Women's Studies	2221	Semester	09/05/2019	04/06/2019
B.Tech-Chemical Engineering	6109	Semester	17/05/2019	24/06/2019
B.Tech-Plastics Technology	6113	Semester	17/05/2019	24/06/2019
B.Tech-Paints Technology	6114	Semester	17/05/2019	24/06/2019
B.Tech-Oils, Fats & Waxes Technology	6115	Semester	17/05/2019	24/06/2019
B.Tech-Food Technology	6116	Semester	17/05/2019	24/06/2019
M.Tech-Chemical Engineering	6209	Semester	15/05/2019	27/06/2019
M.Tech-Paints Technology	6214	Semester	25-07-2019	25-07-2019
M.Tech-Polymer Technology	6229	Semester	25-07-2019	27-07-2019
M.Tech-Nano Science & Technology	6230	Semester	25-07-2019	27-07-2019
M.Tech-Food & Fermentation Technology	6249	Semester	25-07-2019	27-07-2019

2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

**Do not include re-evaluation/ re-totalling*

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	2720	0

2.6 Student Performance and Learning Outcomes:

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

<http://nmu.ac.in/iqac>

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
1209	M.A.-Music (Vocal)	4	4	100
2208	M.A.-Defence and Strategic Studies	26	24	92.31
2217	M.A. MCJ	18	17	94.44
3209	M.Sc.-Chemistry with Specialization in Polymer Chemistry	19	18	94.74
3210	M.Sc.-Chemistry with Specialization in Industrial Chemistry	19	17	89.47
3212	M.Sc.-Chemistry with Specialization in Pesticides & Agrochemicals	16	14	87.50
3230	M.Sc.-Chemistry with Specialization in Organic Chemistry	25	24	96.00
3231	M.Sc.-Chemistry with Specialization in Analytical Chemistry	16	15	93.75
3232	M.Sc.-Chemistry with Specialization in Physical Chemistry	12	10	83.33
3217	M.Sc-Computer Science	60	58	96.67
3224	M.Sc-Information Technology	45	41	91.11

3250	M.C.A.	68	67	98.53
9201	M.Ed	20	16	80.00
3225	M.Sc.-Environmental Science	25	24	96.00
3226	M.Sc.-Applied Geology	19	18	94.74
3228	M.Sc. - Applied Geography [Under Science Faculty]	14	12	85.71
6231	M.Tech-Environmental Science & Tech.	16	15	93.75
1201	M.A.-English	34	19	55.88
1202	M.A.-Marathi	16	09	56.25
1203	M.A.-Hindi	7	5	71.43
3220	M.Sc.-Microbiology	30	27	90.00
3221	M.Sc.-Biotechnology	26	25	96.15
3222	M.Sc.-Biochemistry	28	23	82.14
8105	B.M.S.	-	-	-
8202	M.B.A	68	66	97.06
3122	B.Sc. (Actuarial Science)	18	16	88.89
3215	M.Sc.-Statistics (with Specialization in Industrial Statistics)	74	54	72.97
3216	M.Sc-Mathematics (with Specialization in Computational Mathematics)	68	47	69.12
3203	M.Sc-Electronics	10	08	80.00
3204	M.Sc-Physics with Specialization in Energy Studies	35	19	54.29
3205	M.Sc-Physics with Specialization in Material Science	31	19	61.29
2201	M.A.-History	29	20	68.97
2204	M.A.-Sociology	25	22	88.00
2205	M.A.-Economics	20	15	75.00
2206	M.A.-Psychology	01	00	00
2207	M.A.-Philosophy	02	02	100
2209	M.S.W.	47	42	89.36
2215	M.A.-Political Science	10	09	90.00
2218	M.A.-Dr. Ambedkar Thought	02	02	100
2221	M.A.-Women's Studies	0	0	0
6109	B.Tech0-Chemical Engineering	54	54	100
6113	B.Tech-Plastics Technology	13	11	84.62
6114	B.Tech-Paints Technology	18	14	77.78
6115	B.Tech-Oils, Fats & Waxes Technology	15	09	60.00
6116	B.Tech-Food Technology	14	14	100
6209	M.Tech-Chemical Engineering	13	11	84.62
6214	M.Tech-Paints Technology	14	14	100
6229	M.Tech-Polymer Technology	02	02	100
6230	M.Tech-Nano Science & Technology	01	01	100
6249	M.Tech-Food & Fermentation Technology	12	11	91.67

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)

weblink : <http://nmu.ac.in/iqac>

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**

	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	Prof. Manish R. Joshi	National Award for the outstanding efforts in translation of Popular Science and Technology for the year 2018	24 Sep., 2018	Department of Science and Technology of Government of India.
International	Prof. Sapan Tukaram Ingle	Nominated for Leadership in Academia Programme organizes by IIT Roorkee and Michigan University, USA	7 Dec., 2018	MHRD Government of India
International	Prof. Manish R. Joshi	Ukieri AICTE Study Tour 2 For Technical Education Leadership Development Programme	2019	United Kingdom India Education and Research Initiative (UKIERI)

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 fellowship	Funding agency
(UGC SAP DRS-II)	5 Years	UGC, New Delhi
Project Fellow	21 Months (22/5/18 to 30/11/2019)	ICSSR, New Delhi
Project Fellow	(22/5/18 to 21/11/2018)	ICSSR, New Delhi
DST - INSPIRE	30/01/2018 – 31/12/2023	DST
Project Fellow	24/12/2018 - 24/12/2020	National Academy of Sciences India
Ind. Project Fellow	Jan., 2019 03 Months	Industrial project
GH Rasoni Fellowship	July, 2018 to 01 year	GH Rasoni College, Jalgaon
GH Rasoni Fellowship	July, 2018 to 01 year	GH Rasoni College, Jalgaon
Newton-Bhabha Fellow	(1/04/2019- 31/7/2019) 4 months	DST, New Delhi & British Council
NASI	JRF (06-01-2019 to ongoing)	NASI, Allahabad
RGS&TC	JRF (03-05-2019 to ongoing)	UGC, New Delhi
Post-Doctoral	27.04.2018 to 27.04.2020	DST, New Delhi
Woman Scientist Scheme A	3 Year	DST, New Delhi
DST Inspire Fellow	5 Year	DST, New Delhi
Research Assistantships	13/04/2018 to 04/02/019	TEQIP-III
Research Assistantships(4)	21.05.2018 to 31.03.2020	TEQIP-III
JRF	06.07.2018 to 06.07.2023	UGC

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 (Rs. in lakhs)	Amount received during the year (Rs. in lakhs)
Major projects	01-02-2019 to 31-01-2022	RGSTC, Mumbai	68.20	24.05
Major projects	01-01-2018 To 01-06-2019	Rajya Marathi Vikas Sanstha, Mumbai	06.42	04.90
Major projects	24.11.2018 To 2020	NASI, India	08.34	05.00
Major projects	17-10-2018 to 17-10-2020	National Science Academy India	08.33	04.00
Major projects	25-10-2018 To Ongoing	NASI, Allahabad	08.33	04.16
Major projects	25-03-2019 to 31-03-2024	SERB, DST, New Delhi	155.00	-
Major projects	01-04-2018 to 31-03-2021	Science and Engineering Research Board (SERB), Department of Science and Technology (DST) , Govt	07.64	04.90
Major projects	09-01-2018 to 09-01-2020	RMVS, Mumbai	07.42	07.42
Major projects	01-03-2019 to 01-03-2022	SERB, DST	21.28	07.23
Major projects	25-03-2019 to Till date	ICSSR, New Delhi	10.00	04.00
Major projects	15-06-2018 To till date	DST-SERB, New Delhi	28.60	20.15
Major projects	27-09-2018 to 31-8-2019	UGC, New Delhi	10.00	08.00
Minor Projects	01-08-2018 to 01-12-2018	Quick Heal Foundation, Pune	03.03	03.03
Interdisciplinary Projects	04-01-2017 ongoing	BRNS	26.97	26.97
Industry sponsored Projects	Nil	Nil	Nil	Nil
Projects sponsored by the University	01-01-2019 to 19-04-2019	KBC North Maharashtra University, Jalgaon	01.01	00.80
Students Research Projects (<i>other than compulsory</i>)	Nil	Nil	Nil	Nil
International Projects	Nil	Nil	Nil	Nil
Any other(Specify)	Nil	Nil	Nil	Nil
Total	-	-	370.57	124.61

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(s)
Intellectual Property Right and Patent System in India	School of law and IPR Cell KBCNMU, Jalgaon.	12 th March 2019

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

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
1) Preparation of low cost educational kit for teaching science to high school students	First Prize Smt. Tayade Swati Laxman	Chancellor sponsored Event Avishkar-2018 Maharashtra Govt.	15-18 Jan., 2019	Running Trophy in theme area Social Science, Humanities, Commerce & Law
2) Hearing gadget for divyang people based on vibrations	First Prize Mr. Shubham Sanjiv Patil	Chancellor sponsored Event Avishkar-2018 Maharashtra Govt.	15-18 Jan., 2019	Engineering, PG level
3) Agro-outsourcing centre : A sustainable mechanism for rural development	First Prize Smt. Vibha Rahul Patil	Chancellor sponsored Event Avishkar-2018 Maharashtra Govt.	15-18 Jan., 2019	Commerce & Management, Post PG Level
4) BEDI: Biosafety bottle for women	First Prize Ms. Manisha Sunil Chaudhari	Chancellor sponsored Event Avishkar-2018 Maharashtra Govt.	15-18 Jan., 2019	Social Science & Humanities, UG Level
5) Microbial biosynthesis of calcium phosphate nanoparticles in gut	Second Prize Mohamed ShahRukh Shah Hamid Shah	Chancellor sponsored Event Avishkar-2018 Maharashtra Govt.	15-18 Jan., 2019	Pure Science, PG Level
6) Hearing gadget for divyang people based on vibrations	Second Prize Mr. Shubham Sanjiv Patil	West Zone Anewshan Pacific University, Udaipur	9-10 Jan2019	Engineering, PG Level
7) BEDI: Biosafety bottle for women	First Prize Ms. Manisha Sunil Chaudhari	West Zone Anewshan, Pacific University, Udaipur	9-10 Jan2019	Social Science & Humanities, UG Level
8) Hearing gadget for divyang people based on vibrations	First Prize Mr. Shubham Sanjiv Patil	National Student Research Convention organized by Association of Indian Universities, New Delhi at Ganpat University Mehasana	12-14 March, 2019	Engineering, PG Level
9) BEDI: Biosafety bottle for women	Ms. Manisha Sunil Chaudhari	Chancellor sponsored Event Avishkar-2018 Maharashtra Govt.	15-18 Jan., 2019	Social Science, Humanities, Commerce & Law

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

Incubation Centre	Name	Sponsored by
One	Centre for Innovation, Incubation and Linages, KBCNMU	Maharashtra State Innovation Society, Maharashtra Govt.

Name of the Start-up	Nature of Start-up	Date of commencement
Initially 05 start-ups proposed to incubate in the Incubation Centre	Nil	Nil

3.4 Research Publications and Awards**3.4.1 Ph. Ds awarded during the year**

Name of the Department	No. of Ph. Ds Awarded
School of Chemical Science	15
University Institute of Chemical Technology	07
School of Life Science	09
School of Environmental and Earth Sciences	03
School of Physical Sciences	09
School of Management Studies	03
School of Social Sciences	00
School of Arts and Humanities	01
School of Computer Sciences	02
School of Mathematical Sciences	03
School of Languages and Research Centre	05
School of Education	00

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

	Department	No. of Publication	Average Impact Factor, if any
National	School of Chemical Science	05	0.506
	University Institute of Chemical Technology	07	
	School of Life Science	03	
	School of Environmental and Earth Sci.	20	
	School of Physical Sciences	02	
	School of Management Studies	04	
	School of Social Sciences	03	0.26
	School of Computer Sciences	22	
	School of Mathematical Sciences	11	
	School of Education	03	
	School of Lang. and Research Centre	06	
International	School of Chemical Science	75	1.99
	U.I.C.T.	56	1.20
	School of Life Science	27	1.74
	School of Environmental and Earth Sci.	09	0.32
	School of Physical Sciences	41	1.169
	School of Computer Sciences	19	0.044
	School of Mathematical Sciences	08	0.45

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

Department	No. of publication
School of Chemical Sciences	02
University Institute of Chemical Technology	01
School of Life Sciences	06
School of Environmental and Earth Sciences	-
School of Physical Sciences	01
School of Management Studies	-
School of Social Sciences	01
School of Arts and Humanities	-
School of Computer Sciences	12
School of Mathematical Sciences	-
School of Languages and Research Centre	02
School of Education	01

3.4.4 Patents published/awarded during the year

Patent Details	Patent status Published/Filed	Patent Number	Date of Award
Construction of novel shell materials using renewable source based phenol for encapsulation of bioactive	filed	TEMP/E-2/686/2019-MUM Filing no 201921011393	-
A Method To Select Gamete Donor Selection	Published	App No 201621026217 A	-
Personality Dimension Calculator	Published	Application No.201821043341 A, International classification :G06Q 10/00	-
Construction of novel shell materials using renewable source based phenol for encapsulation of bioactive.	filed	TEMP/E-2/686/2019-MUM Filing no 201921011393	-

3.4.5 Bibliometric 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 the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self-citations
Annexure 1						

3.4.6 h-Index of the Institutional Publications during the year. (based on Scopus/Web of Science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self-citations	Institutional affiliation as mentioned in the publication
Annexure 1						

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

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	-	56	-	-
Presented papers	32	86	09	45
Resource Persons	-	64	-	-

3.5 Consultancy :**3.5.1 Revenue generated from Consultancy during the year**

Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (Rs.)
UICT	Revenue generated through Instrumentation facility (FESEM, XRD, DSC, TGA, etc) against sample testing charges)	Affiliated colleges, other universities and Industries	365840
Chemical Science	Microencapsulation based perfume formulation	Trucapsol LLC, USA	10,00,000
Environmental and Earth Sci.	Environmental Audit	M.J. College, Jalgaon	1000
Environmental and Earth Sci.	Environmental Audit	Ajantha Pharma Ltd. Waluj Aurangabad	2,50,000
Environmental and Earth Sci.	Analytical Services	Local Industries	29,000
Environmental and Earth Sci.	Environmental Audit	KYDSC Trusts Institute of Management and Science, Bhusaval	15,000
Environmental and Earth Sci.	Environmental Audit	KYDSC Trusts College of Pharmacy, Bhusaval	15,000
Environmental and Earth Sci.	Environmental/Green Audit	J.T. Mahajan Collage of Engineering, Faizpur Tal Raver, Dist. Jalgaon	12,300
Environmental and Earth Sci.	Geophysical Survey for Goundwater Prospecting	Mr. A. C. Patil	1,500
Environmental and Earth Sci.	-do-	Mr. Pritam Salunkhe, Jalgaon	1,500
Environmental and Earth Sci.	-do-	Mr. Ketan Toke, Jalgaon	3,000
Environmental and Earth Sci.	-do-	Anil Chordia, Chalisgaon	3,280
Environmental and Earth Sci.	Green/Environmental Audit	Institute of Management & Science and Collage of Pharmacy, Sakegaon	30,000
Environmental and Earth Sci.	Geophysical Survey for Goundwater Prospecting	Chandrasekhar Mahajan	25,000

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

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
Nil	Nil	Nil	Nil	Nil

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/ collaborating agency	Number of teachers coordinated in such activities	Number of students participated in such activities
Industrial Visits-2019	Jain Irrigation Systems Ltd., Jalgaon	02	45
Short Term Training Program - Processing, Testing and quality of Plastic Products	Central Institute of Plastics Engineering and Technology (CIPET), Aurangabad	05	07
Earn and Learn Scheme	Quick Heal Foundation & Students of School of Computer Sciences	05	40
PACE	SOCS, KBCNMU Under UKIERI Leadership and Management Programme	02	69
Impact of Global Warming: Awareness Programme	Department of Student Welfare	07	98
Research Project Presentation Competition	Department of Student Welfare	09	80
34th IIRS Outreach Programme	Indian Institute of Remote Sensing	06	5
35th IIRS Outreach Programme	Indian Institute of Remote Sensing	06	13
36th IIRS Outreach Programme	Indian Institute of Remote Sensing	06	34
37th IIRS Outreach Programme	Indian Institute of Remote Sensing	06	30
38th IIRS Outreach Programme	Indian Institute of Remote Sensing	06	35
39th IIRS Outreach Programme	Indian Institute of Remote Sensing	06	11
40th IIRS Outreach Programme	Indian Institute of Remote Sensing	06	02
Industrial Visits-2019	Jain Irrigation Systems Ltd., Jalgaon	02	45
Short Term Training Program - Processing, Testing and quality of Plastic Products	Central Institute of Plastics Engineering and Technology (CIPET), Aurangabad	03	07
Blood Donation Camp	Blood Bank Civil Hospital, Jalgaon	07	125
Promotion of Mathematics Research and Opportunities	NCSTC, DST, Government of India and RGSTC, Government of Maharashtra	07	180
Quiz Test / PPT/Poster Presentations	NCSTC, DST, Government of India and RGSTC, Government of Maharashtra	04	450
Clean Campus Mission Program	Department of Mathematics, NMU, Jalgaon	04	69
Tree Plantation	Department of Mathematics, NMU, Jalgaon	04	27
Well-come Program (Cultural Activity)	Department of Mathematics, NMU, Jalgaon	04	65
Fare-well Program (Cultural Activity)	Department of Mathematics, NMU, Jalgaon	04	71
Tree-Plantation	UG & PG Unit, NMU, Jalgaon	04	201
Campus Cleaning	UG & PG Unit, NMU, Jalgaon	04	178
Rallye for Help Kerala flood affected People	UG & PG Unit, NMU, Jalgaon	15	450

Nirmalya Sankalan	UG & PG Unit, NMU, Jalgaon	08	64
Winter Camp	UG & PG Unit, NMU, Jalgaon	03	115
Aids Awareness	UG & PG Unit, NMU, Jalgaon	03	29
Tobacco Shapath	UG & PG Unit, NMU, Jalgaon	67	78
Vachan Prerana Din	UG & PG Unit, NMU, Jalgaon	30	147
NSS Day	UG & PG Unit, NMU, Jalgaon	07	141
Women's Day	UG & PG Unit, NMU, Jalgaon		64
Voters Awareness Day	UG & PG Unit, NMU, Jalgaon	03	140
Workshop: Ramanujan and his work	NCSTC, DST, Government of India and RGSTC, Govt. of Maharashtra	04	210
Quiz Test / PPT/Poster Presentations	NCSTC, DST, Government of India and RGSTC, Govt. of Maharashtra	10	587
State Level Workshop on NET/SET Examination	Department of Mathematics, KBCNMU, Jalgaon	04	64
Recent Trends in Mathematics	NCSTC, DST, Government of India and RGSTC, Govt. of Maharashtra	04	250
Quiz Test / PPT/Poster Presentations	NCSTC, DST, Government of India and RGSTC, Govt. of Maharashtra	12	750
Clean Campus Mission Program	Department of Mathematics, NMU, Jalgaon	04	55
Tree Plantation	Department of Mathematics, NMU, Jalgaon	04	36
Well-come Program (Cultural Activity)	Department of Mathematics, NMU, Jalgaon	04	78
Fare-well Program (Cultural Activity)	Department of Mathematics, NMU, Jalgaon	04	69

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	No. of Students benefited
Utkarsh Samajik Sanskrutik Spardha, 2019	Essay Competition (1 st and 3 rd prize)	NSS Maharashtra State Department	02
National Integration Camp- 2019	- Best NSS Volunteer Award - Poster Making (2 nd Prize)	NSS- HRD New Delhi	02

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 coordinated in such activities	Number of students participated in such activities
Tree plantation-2018	School of Chemical Sciences	Tree plantation	03	18
LISH-2019	School of Chemical Sciences	Workshop	06	248
National Science Day - 2019 (NSD-2019)	School of Chemical Sciences	Science Popularization	05	200

World Women's Day Celebration	School of Computer Sciences	Play	01	90
CSR Initiative	Environmental and Earth Science	Cyber Security Awareness	01	02
Fund Collection for Kerala Flood Affected	Environmental and Earth Science	Fund Collection for Kerala Flood Affected	04	29
Voter Awareness	Environmental and Earth Science	Voter Awareness	01	07
Swacha Bharat	School of Physical Sciences	Cleaning School Premises	03	96
Tree Plantation	School of Physical Sciences	Tree Plantation	03	95
Induction Programme	UICT	Swacha Bharat	07	200
Open House and Annual Gathering	UICT	Tree Plantation	09	200

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
Successfully localized User Interface for GIMP	Prof. M. R. Joshi, Dr. S. B. Shirude	Rajya Marathi Vikas Sanstha, Mumbai	2 Year
Published Paper and Book Chapter	Prof. Lingras	-	2 Year
Collaborative Research	Prof. Vijay L Maheshwari Dr. Pankaj K Pawar, Dr. Ashok P Giri	RGSTC, Govt of Maharashtra, Mumbai	3 Years
Delivered lectures on International Negotiation at SOMS, NMU	Visit of Dr. Scott Venezia,	Participants own University	(18/01/2018 & 19/1/2018)
Delivered lectures Doing Business in Mexico at SOMS, NMU	Dean of College of Business and Management, CETYS University, Mexico	Participants own University	(18/01/2018 & 19/1/2018)
Delivered complete Finance module to MBA Students	Guadalupe Sanchez - Dean School Of Business at CETYS University	Participants own University	1/7/18 to 18/8/2018)
Visit to Nova University, Portugal for discussion on capacity building in Higher Education	Prof. Anil Dongre	CABCIN Consortia Project	23/3/19 to 29/3/19
Participated in capacity Building workshop	Dr. Ramesh Sardar Dr. R. R. Chavan Dr. Pavitra Patil	CABCIN Consortia Project	29 & 30/8/18 8 & 9/10/18 17-18/9/2018

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-To)	Participant
Research	Project work on “Magnetic Parameters of Cheyyar Sediments and Geochemistry of Panhala Basalt”	Indian Institute of Geomagnetism, Panvel	4/12/2018 – 16/01/2019	Patil Mayur Sunil
Research	Project work on “Geo-electrical studies over lateritic terrain for deciphering groundwater potential zones around Chiplun-Guhagar, Maharashtra”	Indian Institute of Geomagnetism, Panvel	1 st Dec. 2018 - 31 st Jan. 2019	Patil Ajinkya
Research	Project work on “Delineating Potential Aquifer Zones over Dyke Swarms in Parts of Nandurbar District, Northern Maharashtra Using Geoelectrical Indices”	Indian Institute of Geomagnetism, Panvel	20th May – 28th June, 2019	Mali Manohar Sudam
Research	Project work on “Application of Elemental Geochemistry in Provenance and Paleoclimatic Reconstruction”	Institute of Seismological Research, Gandhinagar	3/12/2018 – 15/01/2019	Patil Vishal Vijay
Research	Project work on “Aquifers in Flood Basalt”	National Geophysical Research Institute, Gandhinagar Hyderabad	11/12/2018 – 10/01/2019	Kishor V. Katange
Academic	Geological cum Structural Mapping	Atomic Minerals Directorate for Exploration and Research, Bengaluru	4/12/2018 – 29/12/2018	Mali Jayesh Satish
Training	Professional Training	Western Coalfields Ltd.	10/01/2019 – 16/01/2019	Aglawe Suchit Bala
Training	Professional Training	Western Coalfields Ltd.	10/01/2019 – 16/01/2019	Jagtap Ajay Nanaji
Consultancy	Industrial project	Truecapsul Solution, USA	Jan., 2019 to Dec. 2019	01
As Consultant	Microbiology Laboratory setup and new product development	UPL Ltd., Mumbai	2018-19	Prof. Bhushan L. Chaudhari
As Consultant	Microbiology Laboratory setup and new product development	UPL Ltd., Mumbai	2019-20	Prof. Bhushan L. Chaudhari

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 and Activities	Number of students/teachers participated under MoUs
TRuCapsol LLC Pune	28/12/2018	<ul style="list-style-type: none"> Teaching research and training in science and technology IPR 	40
Seutche Gesellschaft fur Homa-Therapie (German Association of Homa Therapy)	28-03-2018	<ul style="list-style-type: none"> Identifying areas of environmental hazards. Systematic studies of the effect of Agnihotra and Homa Therapy on our Environment Finding out underlying mechanisms 	60
Indian Institute of Tropical Meteorology Pune	21/05/2018	<ul style="list-style-type: none"> Identifying areas of environmental hazards Teaching research and training in selected and advanced trust areas of S and T, with special reference to earth science. IPR 	115
Quick Heal	16/05/2018 to 31 March 2019	Cyber security awareness in the society, students in the schools and colleges.	51000

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
4693.00 Lakh	1674.01 lakh

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	660 Acres	-
Class rooms	104	-
Laboratories	120	-
Seminar Halls	20	-
Classrooms with LCD facilities	44	-
Classrooms with Wi-Fi/ LAN	104	-
Seminar halls with ICT facilities	20	-
Video Centre	03	-
No. of important equipment's purchased (\geq 1-0 lakh) during the current year.	324	17
Value of the equipment purchased during the year (Rs. in Lakhs)	0	253.42
Others		

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 partially)	Version	Year of automation
SOUL 2.0	Library is automated using Integrated Library Management System (ILMS) SOUL 2.0 (Partially)	2.0	2000

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	78819	986	3116	130 Lakh	82311	1116 lakh
Reference Books	4643	23.04	376	14.17 Lakh	5019	37.75 Lakh
e-Books	-	-	-	-	-	-
Journals	90	5.58	-	-	90	5.58 Lakh
e-Journals	25000+	UGC INBLIBNET	-	-	25000+	UGC INBLIBNET
Digital Database	02	25 Lakh	01	02.26 Lakh	03	27.26 Lakh
CD & Video	850	Received with Book	50	Received with book	900	Received with book
Library automation	-	-	-	-	-	-
Weeding (Hard & Soft)	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

4.2.2 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
Nil	Nil	Nil	Nil

4.3 IT Infrastructure:

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	1802	31	1 Gbps 2 Mbps	09	02	382	1206	1 GBPS	
Added	-	-	-	-	-	-	-	-	
Total	1802	31	1 Gbps 2 Mbps	09	02	382	1206	1 GBPS	

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

1 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
E-Studio	http://nmu.ac.in/iqac

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	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1538.50	410.98	8920.50	2452.79

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)

<http://nmu.ac.in/iqac>

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	Viddharthi Duttak Yojana	77	10,34,000
	Arthik Durbal Yojana	2038	70,84,000
Financial support from other sources			
a) National	All type of scholarship and free ship	1718	1,88,95,776
b) International	Nil	Nil	Nil

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

Name of the capability enhancement scheme	Date of Implementation	Number of students enrolled	Agencies involved
NET and SET coaching	2018-19	64 + Social Science	In collaboration with Department of Education
Career Counselling	2018-19	30	Solace Psychological Testing, Counselling and Career Guidance
Psychology Lab	2018-19	30	Department of Psychology
Personal Counselling	2018-19	30	Department of Psychology
Entrepreneurship Awareness Programme	2016-19	100	Maharashtra Centre of Entrepreneurship Development, Jalgaon Chapter
Yoga Training Program for UICT students	2018-19	120	University Yoga Centre
Yoga demonstration in Yuvarang 2019	2018-19	500	University Yoga Centre
Yoga Training Class for Girls Hostels	2018-19	140	University Yoga Centre
Total Fitness and Yoga for NSS students	2018-19	96	University Yoga Centre
Yoga for summer School Students	2018-19	50	University Yoga Centre
International Yoga Day Celebration	2018-19	400	University Yoga Centre

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 by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2018-19	Coaching Scheme for ST students funded by Tribal Research and Training Institute, Pune. Govt. of Maharashtra	50	50	01	01

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	No. of grievances redressed	Average number of days for grievance redressal
01 Online (ASC College, Bhadgaon)	01 (ASC College Bhadgaon letter on dated 25.01.2019 this grievances hearing and withdraw)	00.1

5.2 Student Progression:

5.2.1 Details of campus placement during the year

On campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
48	210	149	-	-	-

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2018-19	Rahul Dilip Patil	M.Sc.(Environ. Sciences)	Environmental Sciences	K.B.C.N.M.U, Jalgaon	M. Tech. in Environmental Sci. and Technology)
2018-19	Bankar Digambar Bhaskar	B.Sc.(Actuarial Science)	Department of Actuarial Science, K.B.C.N.M.U, Jalgaon	SPPU, Pune	M.Sc. (Statistics)
2018-19	Bhalkar Komal Shravan			K.B.C.N.M.U, Jalgaon	M.Sc. (Statistics)
2018-19	Bhalkare Rohit Popat			SPPU, Pune	M.Sc. (Statistics)
2018-19	Bhave Shruti Narendra			NIIT Centre, Pune	PGDBO (Certificate Course)
2018-19	Chaudhari Jayesh Deepak			Madras University	M.Sc.(Actuarial Science)

2018-19	Chaudhari Yogesh R.			K.B.C.N.M.U, Jalgaon	M.Sc. (Statistics)
2018-19	Gadekar Satyam Pradip			Hyderabad	Data Science (Certificate Course)
2018-19	Kapure Shubham Udayraj			SPPU, Pune	M.Sc. (Statistics)
2018-19	Mamta Patel			Madras University	M.Sc. (Actuarial Science)
2018-19	Moghe Utkarsha Milind			Madras University	M.Sc. (Actuarial Science)
2018-19	More Sayali Tanaji			K.T.H.M College, Nashik	M.Sc. (Statistics)
2018-19	Neve Prasad Madhukar			Madras University	M.Sc. (Actuarial Science)
2018-19	Shirode Bhushan Pravin			K.B.C.N.M.U, Jalgaon	M.Sc. (Statistics)
2018-19	Yadav Atul Ramkailas			Hydrabad	Data Science (Certificate Course)
2018-19	Dr. Kiran Ramesh Marathe	Ph.D.	Department of Biotechnology	UICT,KBCN MU, Jalgaon	DST-N-PDF

**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	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	12	52002802, 46002389, 178005, 46001074, MR1302501206, MR1302500424, 142010, MR1302501352, 535066, 182005391/ 531367, 534274, 181053798
SET/SLET	18	100868, 142010, 141949, 140575, 140535, 140472, 141389, 177107, 141327, 753114, 753147, 753043, 753170, 723555, 19201849/800816, 800965, 800915,142181
GATE	03	ST19S42043151, ST19S42043061, ST19S42043105
GMAT	-	-
CAT	-	-
GRE	-	-
TOFEL	-	-
Civil Services	-	-
State Government Services	-	-
Any Other	-	-

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

Activity	Level	Participants
Mahatma Phule and Dr.Babasaheb Ambedkar Sanyukt Jayanti Celebrate Department and University	University Level	361
Sport week – 11th– 13th Jan, 2019	University Level	150
National Science Day Quiz Competition – 18th March 2019	University Level	350
Principal and students development officer workshop	University Level	101
Inter University Poet Redding Competition	University Level	26
Disaster Management and Treading Wrokshop	University Level	139
Adventure Workshop	University Level	136
Inter University Essay Competition	University Level	16
Kai. Bhaisaheb Y.S. Mahajan Girls Elocation Comp.	University Level	31
Anchoring Workshop	University Level	250
Yearly Magazine Editor Workshop	University Level	49
Powada Singing Skill Workshop	University Level	30
Late G. V. Abhanykar Marathi Natyageet and Late Shantabai Abhyankar Marathi Bhavgeet Singing Competition	University Level	20
P. G. Alexzander Elocution	University Level	12
Sardar Vallabhbhai Patel Rashtri Ekata Daud	University Level	200
Govt of Maharashtra Mahawalkathon	University Level	900
Magazine Competition	University Level	49
Maitri Workshop	University Level	80
Voter Awareness Campaign	University Level	2350
Voter Awareness Campaign and Competition(Poster, Elocution and Rangoli)	University Level	220
Kavi Kushumgraj Marathi Bhasha Gaurav Din	University Level	800
Inter College Youth Festival Yuvarang- Erandol Division	University Level	900
Inter College Youth Festival Yuvarang - Jalgaon	University Level	1200
Inter College Youth Festival Yuvarang - Dhule	University Level	1050
Inter College Youth Festival Yuvarang - Nandurbar	University Level	950
University Level Youth Festival Yuvarang	University Level	1350
University Level Memory Techniques	University Level	200
Student Development Central Audit Program	University Level	64

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/ Internat- ional	Sports	Cul- tural	Student ID number	Name of the student
2018-19	Silver Medal	National	Malkhamb (Men)	-	2018015400025115	Chavan Guruprasad Kantilal
2018-19	Silver Medal	National	Malkhamb (Men)	-	2013015400173491	Jawale Arvind Bhimrao
2018-19	Silver Medal	National	Malkhamb (Men)	-	2016015400092896	Yeshirao Jaywant Anil
2018-19	Silver Medal	National	Malkhamb (Men)	-	2018015400236026	Gawali Rohit Arjun

2018-19	Silver Medal	National	Malkhamb (Men)	-	2018015400121977	Panaskar Abhishek Shivaji
2018-19	Gold Medal	National	Weight Lifting 55 Kg	-	2018015400404015	Koli Prashant Suresh
2018-19	Silver Medal	National	Weight Lifting 61 Kg	-	2018015400282666	Mahajan Govinda Sunil
2018-19	Gold Medal	National	Softball (Men)	-	2013015400459993	Talvelkar Sumedh Pradip
2018-19	Gold Medal	National	Softball (Men)	-	2014015400247677	Kolhe Kalpesh Jayprakash
2018-19	Gold Medal	National	Softball (Men)	-	2015015400277395	Patil Pritish Ramesh
2018-19	Gold Medal	National	Softball (Men)	-	2015015400095321	Patil Sagar Rajendra
2018-19	Gold Medal	National	Softball (Men)	-	2017105400152576	Chaudhari Gaurav Kiran
2018-19	Gold Medal	National	Softball (Men)	-	201801540039271	Chavan Shriram Ramesh
2018-19	Gold Medal	National	Softball (Men)	-	2017015400332493	Sonawane Abhijit Kiran
2018-19	Gold Medal	National	Softball (Men)	-	2015015400149943	Jadhav Kalpesh Ishwar
2018-19	Gold Medal	National	Softball (Men)	-	8152000197	Wani Dhirajkumar Shaligram
2018-19	Gold Medal	National	Softball (Men)	-	2018015400104503	Ausekar Mayuresh Devidas
2018-19	Gold Medal	National	Softball (Men)	-	2018015400104573	Patil Mohit Shyam
2018-19	Gold Medal	National	Softball (Men)	-	2016015400433805	Patil Chandradeep Nanaji
2018-19	Gold Medal	National	Softball (Men)	-	2017015400223067	Sonawane Dhiraj Anil
2018-19	Gold Medal	National	Softball (Men)	-	2017015400321696	Gadilohar Sachin Bhagwat
2018-19	Gold Medal	National	Softball (Men)	-	2018015400221352	Jaware Amol Satish
2018-19	Gold Medal	National	Softball (Men)	-	2014015400369933	Girase Amarsing Dhansing
2018-19	Gold Medal	National	Softball (Men)	-	2018015400151117	Chavan Harshdeep Nitin
2018-19	Gold Medal	National	Softball (Men)	-	2015015400095433	Mahajan Akash Ashok
2018-19	Bronze Medal	National	Floorball (Women)	-	2018015400401856	Shende Ankita Namdeo
2018-19	Bronze Medal	National	Floorball (Women)	-	2017015400349603	Sonawane Dipika Chandrakant
2018-19	Bronze Medal	National	Floorball (Women)	-	2017015400349611	Mali Pratiksha Ravindra
2018-19	Bronze Medal	National	Floorball (Women)	-	2017015400349642	Marathe Rupali Rajendra
2018-19	Bronze Medal	National	Floorball (Women)	-	2018015400310943	Patil Prajakta Bharatsing
2018-19	Bronze Medal	National	Floorball (Women)	-	201501540077903	Moharkar Pooja Sanjay
2018-19	Bronze Medal	National	Floorball (Women)	-	2015015400077911	Sonawane Komal Manoj
2018-19	Bronze Medal	National	Floorball (Women)	-	2017015400005485	Kale Ojaswini Rajendra
2018-19	Bronze Medal	National	Floorball (Women)	-	2015015400075893	Suryawanshi Archana Vasant
2018-19	Bronze Medal	National	Floorball (Women)	-	2018015400168642	Thakare Madhavi Ashok

2018-19	Bronze Medal	National	Floorball (Women)	-	2018015400296055	Thakare Mansi Bhalchandra
2018-19	Bronze Medal	National	Floorball (Women)	-	2018015400279061	Bhoi Manisha Shankar
2018-19	Bronze Medal	National	Floorball (Women)	-	2016015400457765	Sonawane Varsha Bhagwan
2018-19	Bronze Medal	National	Floorball (Women)	-	2014015400184532	Shewale Nutan Vijay
2018-19	Bronze Medal	National	Floorball (Women)	-	2017015400360222	Shinde Prerna Vilas
2018-19	Bronze Medal	National	Mini Golf (Men) Stroke	-	2018015400222912	Shinde Sushikant Godilal
2018-19	Bronze Medal	National	Mini Golf (Men) Stroke	-	2017015400216791	Kasar Prasad Sanjay
2018-19	Bronze Medal	National	Mini Golf (Men) Stroke	-	201701540042	Sapkale Mayur Kailas
2018-19	Bronze Medal	National	Mini Golf (Men) Stroke	-	606371775420 31001	More Aditya Yashwantrao
2018-19	Bronze Medal	National	Mini Golf (Men) Stroke	-	2018015400221046	Thakur Manish Kundansingh
2018-19	Bronze Medal	National	Mini Golf (Men) Stroke	-	2013015400240893	Sapkale Raju Bhaskar
2018-19	Bronze Medal	National	Mini Golf (Men) Stroke	-	2018015400529160	Shirsale Gaurav Bhanudas
2018-19	Bronze Medal	National	Mini Golf (Men) Stroke	-	2018015400265343	Chaudhari Chetan Subhash
2018-19	Bronze Medal	National	Mini Golf (Men) Stroke	-	2014015400246024	Badgujar Vaibhav Pradip
2018-19	Silver Medal	National	Mini Golf (Men) Stroke	-	875950735042	Sonawane Shekhar Satish
2018-19	Bronze Medal	National	Mini Golf (Women) Stroke	-	2017015400034361	Bagul Minakshi Rajendra
2018-19	Bronze Medal	National	Mini Golf (Women) Stroke	-	2017015400037154	Thakare Manali Rajesh
2018-19	Bronze Medal	National	Mini Golf (Women) Stroke	-	2017015400034384	Bhalerao Suchita Raosaheb
2018-19	Bronze Medal	National	Mini Golf (Women) Stroke	-	2017015400036986	Chaudhari Dipmala Kailas
2018-19	Bronze Medal	National	Mini Golf (Women) Stroke	-	2018015400057465	Mali Nayan Santosh
2018-19	Bronze Medal	National	Mini Golf (Women) Stroke	-	2017015400350301	Bharambe Manasi Shrikant
2018-19	Bronze Medal	National	Mini Golf (Women) Stroke	-	2015015400127375	Tayade Shital Amrut
2018-19	Bronze Medal	National	Mini Golf (Women) Stroke	-	2015015400073801	Gavit Priti Gopal

2018-19	Bronze Medal	National	Mini Golf (Women) Stroke	-	2015015400424643	Patil Vaishnavi Rohidas
2018-19	Bronze Medal	National	Mini Golf (Women) Stroke	-	2018015400333242	Drakshe Pornima Sanjay
2018-19	Bronze Medal	National	Mini Golf (Women) Fairway	-	2017015400037034	Gaikwad Komal Ravindra
2018-19	Bronze Medal	National	Mini Golf (Women) Fairway	-	2017015400034384	Bhalerao Suchita Raosaheb
2018-19	Bronze Medal	National	Mini Golf (Women) Fairway	-	2017015400349603	Sonawane Dipika Chandrakant
2018-19	Bronze Medal	National	Mini Golf (Women) Fairway	-	2017015400351857	Joshi Shreya Sanjay
2018-19	Bronze Medal	National	Mini Golf (Women) Fairway	-	2015015400073801	Gavit Priti Gopal
2018-19	Bronze Medal	National	Mini Golf (Women) Fairway	-	2017015400304945	Pawara Hatari Rulya
2018-19	Bronze Medal	National	Mini Golf (Women) Fairway	-	2016015400297547	Gavit Nita Joma
2018-19	Bronze Medal	National	Mini Golf (Women) Fairway	-	2015015400424643	Patil Vaishnavi Rohidas
2018-19	Inter University National Youth Festival Spot Painting and Poster Making Appreciation	National	-	Cultural		Piyush Prashant Badgujar
2018-19	South Ashiyan Intenational University Festival (SAUFEST) Poster Making Appreciation	International	-	Cultural		Piyush Prashant Badgujar

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

With the objective of inculcating the qualities of leadership, organization, and responsibility in the students, an active Student Council is in place along with a strong representation of students in the academic and administrative bodies/committees. Students have active representation on academic and administrative bodies and committees of the university.

University Departments Students' Council:

The University has University Departments Students' Council as specified under section 99 A. of the Maharashtra Public Universities Act, 2016. Student council contain one student from each University Department who has shown academic merit at preceding degree examination and is engaged in full time studies in the University Institutions or Departments or conducted college nominated by the Hon'ble Vice-Chancellor. In addition to these two girls are students are also nominated by the Pro-Vice-Chancellor.

Students' Council for each Institution and affiliated colleges:

There is a Students' Council for each Institution and affiliated colleges consists of student members, One student from each of the following activities, who has shown outstanding performance in Sports, National Service Scheme and Adult Education, National Cadet Crops, Cultural Activities and two girl students are nominated by the Principal.

The members of both these councils elect the Secretary/University Representative as per Maharashtra Public Universities Act, 2016.

National Service Scheme Advisory Committee:

National Service Scheme Advisory Committee consists of one or two NSS Students Representatives. The operational aims of university NSS programme is to integrate variety of learning experiences which will develop a sense of participation, service and achievement among the volunteers.

Academic Committee:

Every School/Department of the University has an Academic Committee with representation of top ranker(s) of the final year undergraduate/post graduate examinations of previous year of concerned as invitee members for discussions on framing or revision of syllabus of that subject and other academic planning.

Students' Grievance Committee:

Each School/Institute of the University has Students' Grievance Committee with representation of two Students (One Male & One Female) members which is a first redressal point for grievance of the students in a school.

Anti-Ragging Committee:

Every School/Institute of the University has an Anti-Ragging Committee with two Students (One Male & One Female) representatives to redress the issues pertaining to ragging.

Training and Placement Committee:

Every School/Institute of the University has a Training and Placement Committee with two or three student representatives. This committee works in coordination with Central Training and Placement Cell (CTPC) of the university.

Knowledge Resource Centre Committee:

In each school two or three students of the school are members of this committee which advise and facilitate purchase of books/periodicals and journals in the Knowledge Resource Centre (Central Library) as well as in the School Library along with monitoring of regular work of the departmental library.

Organization of Special Events:

Students organize, and celebrate National Science Day, on 28 February every year by honoring teachers, organizing quizzes, competitions, cultural programme and sports competitions. The other National celebrations that include, Independence Day, Foundation Day, Republic Day, Engineers Day, Open House and various NSS and social service activities.

5.4 Alumni Engagement:

5.4.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words): Yes

The Alumni Association is established with formal registration under specific title: Alumni Association of Kavayitri Bahinabai Chaudhari North Maharashtra University bearing registration No. MAH/17480/Jalgaon. Dated 04/09/2014 of 1999 during December, 2001. Several students are enrolled in Alumni Association and contributed Rs. 1000/- per head, while freshly enrolled students pay Rs. 250/per head towards fees every year.

Moreover, every School/Institute has its own Alumni Association to maintain a close liaison with alumni on regular basis under the aegis of NMUPSA. The Alumni meets are regularly organized every year to increase interactions between the past and present students and offer guidance to present students on regular basis.

- i. The School of Management Studies has also registered its Alumni Association vide registration No. MAH/100082 in the year 2008 and since then, the school organizes Alumni meets on regular basis.
- ii. The students of our university have reached top notch positions in various industries and academia through hard work and dedication. The Central Training and Placement Cell (CTPC) receives the information at periodic interval and seeks the supports from alumni in facilitating placement of present students.
- iii. The lifetime and senior placement assistance is provided to the alumni of the University by the CTPC for maintaining a strong bond of affection between the University and alumni.
- iv. Every School/Institute has an active Alumni Association under the aegis of NMUPSA to provide information about job opportunities and self-entrepreneurship development programmes provided by past students.

Alumni Association is in the process of preparation of alumni database and planned to explore enrolment drive from affiliated colleges too. In this process, plans are afoot for arranging alumni visits to the University, motivational talks by them to students based on their experiences and seeking their contributions for strengthening teaching-learning/for infrastructure development.

5.4.2 No. of registered Alumni: 600

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

5.4.4 Meetings/activities organized by Alumni Association : 05

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)

Decentralization and participative management are the credo of the University governance which reinforce the idea of autonomy and accountability through : Senate, Management Council, Academic Council, Board of Examinations and Evaluation, Board of Sports, Board of Studies, Finance and Accounts Committee, Purchase Committee, Building and Works Committee, etc. in accordance with the Maharashtra Public Universities Act, 2016. The University practices the said approach in all activities, initiatives and decision making by involving Deans, Directors of the schools, faculty members at all levels so as to ensure that every member is a part of the decisions taken thereof regarding academic, administrative, examinations, finance and students related matters. For syllabus, each school has academic flexibility and the academic committee prepares the syllabus of particular programme for approval by Academic Council.

The Vice Chancellor of University monitors the administration of the academic programmes and general administration of the university to ensure efficiency and performance of the University as per section 14 of Maharashtra Public Universities Act, 2016. The academic and administrative activities are supported by various statutory bodies and ensures proper implementation of policies of State, Central Government and apex bodies of higher education and research.

The University authorities prepare short-term and long-term plans to upgrade existing infrastructure, extend existing buildings, construct new buildings, enhance the facilities in the laboratories, strengthen computer and Internet connectivity, purchase of books/e-books/periodicals/Journals/e-journals/ health/sports equipment, etc. with physical and financial support systems.

PRACTICE - 1:

Academic Flexibility : In view of granting Academic Flexibility to University Schools/Departments, the Management Council in its meeting held on 30.01.2009 vide its resolution no 2/2009 resolved that all University Schools/Departments are given academic flexibility from the academic year 2009-2010. In this regard committee constituted under chairmanship of Director, B.C.U.D. has prepared rules & regulation for implementing academic flexibility in Schools/Departments as well as Credit-Grade based Performance and Assessment (GCPA) system.

In tuned with the concept & suggestion of UGC, New Delhi & NAAC, Bangalore, technological advancement and social needs to make teaching effective and meaningful, all Schools/Departments have accepted to adopt Credit-Grade based Performance and Assessment (CGPA) system form academic year 2009-2010 for all courses being run in the Schools/Departments.

PRACTICE - 2:

Decentralization of Examination:

Examinations and Evaluations are meant to assess the progress of students and their achievements so that firstly they know of their achievements and secondly feedback may be provided for further enhancements.

Therefore, continuous and comprehensive assessment should be included that assess not only the theoretical knowledge but the practical application of the knowledge, creativity, performance levels, qualities like punctuality, sense of responsibility, etc.

The university has adopted the decentralization of powers to the affiliated colleges for conducting examination of undergraduate courses. The first year UG examination is conducted by the affiliated colleges as per the time table published by the University. The Central Assessment Program for respective examinations are conducted by the affiliated colleges and the results are declared and submitted to University.

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

Yes/No/Partial: **Yes**

- 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.
- Various online services are provided partly through in-house IT developments and partly through Third Party Engagements.
- The 1 GBPS connectivity under NMEICT Project of MHRD has been established on the campus.
- E-library services are managed through the Information Scientists working at Central Library.
- The Financial transactions and HR issues of administration department are handled using SAP since last 10 years and Business Intelligence tool is used for effective decision making.
- Affiliation and Research Section is having online affiliation process, approval process and PhD admission process which always helps to take appropriate decisions at university level and government.
- The examination department is issuing online appointments to examiners, paper setters, flying squad etc.

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):

❖ 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 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 is incorporated in the syllabus.

❖ Teaching and Learning:

To assure the better utilization of human resources and the infrastructural resources, the university has adopted concept of schools.

- Digitally equipped classrooms are available in all Schools/Institute with high quality LCD projector, LCD TV, digital podium, interactive pad and other accessories.

- Computer laboratories with high-speed Internet connectivity are available to the students in all Schools/Institute.
- Communication skills, group discussion practices, and phonetics/accent improvement is carried out through language laboratories.
- The faculty members were sent to various Pedagogical programmes/workshops based on Training Needs Analysis (TNA). The Academic Council, Faculty, Board of Deans and Board of Studies are the authorities to take review of teaching and learning process. These bodies review the teaching, learning process of Schools/Institute/affiliated colleges in their meetings and suggest improvements which are communicated 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 implanted from 1st March 2017.

❖ **Examination and Evaluation:**

- **End to End use of ICT for reforms in examination are implemented module wise**
(Examination forms, Hall ticket, Appointment orders, Result declaration etc.)
- **Cashless transaction in the University for ICT based module:**
Examination form, Redressal / Verification / Transcript / Degree verification and Convocation form fill up through online payment gateway.
- **Secure Delivery of Examination Papers:**
Online question papers are delivered for all university examination. For March 2019 examinations 2306 questions papers were delivered online through secure delivery of Question papers.
- **Digital Scanning and Onscreen evaluation was implemented from winter examination 2018 for all Faculties:**
For March 2019 examinations, 5, 62,465 Answer books were scan and Onscreen evaluation was done successfully.
- **Declaration of Results of Various examinations:**
 - As per provision, Section 89 of Maharashtra Public Universities Act, 2016 the result of summer 2019 examinations is declared within the prescribed time.
 - Out of Total no. of examinations 995, result of 966 (97.09%) examinations are declared within 30 days and result of 29(2.91%) examination declared within 30-45 days.
- **Grievances Redressal Mechanism/Accountability:**
 - Redressal/Verification procedure as per Ordinance O.134 and O.147.
 - Procedure of Redressal (Re-valuation) were completed within one week for the March 2019 examinations, so that students have got the opportunity for next year admission.
- **Preparation of Question Banks and Question Paper Setting:**
Taking into consideration of recommendations of Agrawal Committee, the University under the initiative of Vice-Chancellor has started new programme of preparation of Question Banks and Question Paper Setting in the Schools on the university campus. Under this programme, a question bank is prepared having 700 to 1000 questions per subject. These question banks were prepared considering the NET/SET examinations pattern. The Examination Section generate the question papers randomly selecting the questions with the help of computer.

- **Open Day Programme:**

The University has started an innovative 'Open Day Programme' since academic year 2017-18. On this day, the students have been given their final examination answer books evaluated by the teachers for self-assessment. The teacher of concerned subject solves the queries/grievances regarding evaluation of the answer books on the spot under this programme. The KBC North Maharashtra University, Jalgaon is first amongst the Universities of Maharashtra to implement such type of innovative project.

- ❖ **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.
- Encouraged faculty members to write research proposals for the submission of various funding agencies. The faculty members of the University 12 Major and 01 Minor research projects to the tune of Rs. 74.62 Lakhs and Rs. 03.03 Lakhs, respectively were sanctioned/ ongoing by various Government funding agencies during the year.
- Encouraged faculty members to file patents with financial support. As a result, 02 patents have been filed and 02 patents have been Published during the year.
- Encouraging faculty members to attend and/or organize seminars/ conferences/workshops as well as to present research papers in National/ International conferences.
- Research and Development Awards were given every year on the University Foundation Day to the faculty members and initiation of awards for best publication and patent acceptance from this year.
- As a result of these measures, there has been an increase in the quality and quantity of publications of individual teachers.

- ❖ **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.

- Virtual Classroom facility through A-view software in the Central Library of the University.
- Free access to e-journals, e-books, databases, lecture videos and other online resources through INFLIBNET UGC-Infonet Digital Library Consortium.
- 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 UGCInfonet Digital Library Consortium to help research scholars and faculty members to keep pace with the latest developments in their field of research.

- ❖ **Human Resource Management:**

The University contributes to human resource development through:

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

❖ **Industry Interaction / Collaboration:**

- i. Established a University-Industry Interaction Cell (Lab to Industry) for the collaboration and interaction with various industries in nearby areas in terms of transfer of laboratory research, innovative ideas, scale up processes, technology up-gradation etc.
- ii. Established CTPC for on-job training and campus placement of students in industries.
- iii. Signed MoUs and EoI with Local/National industries for the interactions with the experts and eminent personalities of various industries.

❖ **Admission of Students :**

Process of admission:

- i. The students are admitted to MCA, MBA, and 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.
- ii. 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.
- iii. 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.
- iv. A total of 3344 online applications were received for 51 courses in University Campus and affiliated colleges. Total 2044 students admitted to these courses in CAP rounds in academic year 2018-19.

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

- ❖ Planning and Development
Online affiliation and approval system
- ❖ Administration
Online E-sevarth system

- ❖ Finance and Accounts
SAP ERP
- ❖ Student Admission and Support
E-Suvidha under MKCL
- ❖ Examination
Online paper delivery, On Screen evaluation, exam form and hall ticket using online system and result processing using software.

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 (Rs.)
2018	Dr Nita V Patil	4th International Conference on Next Generation Computing Technologies (NGCT 2018)	-	17597 /-
2019	Ms. Manisha S. Deshmukh	International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM-2019)	-	7327/-
2019	Dr Ajay U. Surwade	International Conference on Current Trends in Advanced Computing (ICCTAC-2019) organized by Kristu Jayanti College (Autonomous), Bengaluru on March 12 & 13, 2019.	-	9949 /-
2019	Dr. Harshali B. Patil	4th International Conference in Computing and Engineering Technology (ICCET), 9-11 January 2019, held at Deogiri Institute of Engineering and Management Studies Aurangabad, India	-	7620/-
2019	Dr. Harshali B. Patil	Ph.D. Symposium MIND 3-4 March 2019, NIT Kurukshetra, India.	-	4380/-
2018	Dr. Prashant Vishnu Sonwane	National Colloquium on Ageing and Aged in India March 14-16, 2018	-	17,000/-
2018-19	Dr. V. V. Gite	National Conference on Recent Advances in Material Sciences, Dept. of Chemistry, MS University, Baroda, Gujrat, 23 & 24th Nov., 2018	-	TA/DA
2019	1) Prof. D. S. Patil 2) Dr. D. J. Shirale 3) Dr. J. P. Bange 4) Mr. M. S. Netkar	Workshop on "Introduction to Robotics"	-	TA/DA From University
2018	Dr. Sanjay Ghosh	International Conference on Electrical and Related Properties of Organic Solids (ERPOS) – 2017	-	32,016/-

2019	Dr. V. P. Shinde	First Indian Materials Concave and 30th Annual General Meeting of Material Research Society of India (MRSI AGM-2019), 12-15 February, 2019	-	13,266/-
2019	Dr. V. P. Shinde	5th International Conference on Nanoscience and Nanotechnology (ICONN-2019), January 28-30, 2019,	-	6,410/-
2019	Ajaygir K Goswami	International Conference on advance trend in Engg, Science & Management ICATEM- 2019 at Nashik	-	15224/-
2019	Ajaygir K Goswami	International Conference on sustainable Computing in Science Technology & Management SUSCOM- 2019 at AMITY University Rajasthan	-	27763/-
2019	Dr. H.V.Patil	Industry- Institute Partnership, Accreditation, Sponsored Research, Entrepreneurship & IPR During Jan. 09-13, 2019.at Guwahati.	-	6346/-
2019	Prajakta Nandkumar Mulay	Industry- Institute Partnership, Accreditation, Sponsored Research, Entrepreneurship & IPR During Jan. 09-13, 2019.at Guwahati.	-	6291/-
2019	Prajakta Nandkumar Mulay	Industry- Institute Partnership, Accreditation, Sponsored Research, Entrepreneurship & IPR During Jan. 09-13, 2019.at Guwahati.	-	6291/-
2019	Komal S Patil	Accommodation for attending Plexpo India Exhibition at Goregaon Mumbai During January 17-21, 2019.	-	4179/-
2018	Dr. G. A. Usmani	Communication & Personality development workshop under twining activity at UPTTI Kanpur during October 1-3, 2018.	-	5170/-
2018	Dr. R.P.Gore	One day Sensitization workshop on Environment safeguard at Indore dated on January 1, 2019.	-	2000/-
2018	Dr. P.D.Meshram	international conference on “Advance and challenges for sustainable ecosystem” (ICACSE 2018), NIT, Trichy. During December 6 to 8, 2018.	-	20929/-
2018	Dr. V.R.Parate	Reimburse Registration Fees of International Conference on global Trends in Science, Technology, Humanities, Commerce and Management. During January 18 to 20, 2019	-	2000 /-
2018	Dr. M.I.Talib	Reimburse Registration Fees of International Conference on global Trends in Science, Technology, Humanities, Commerce and Management. During January 18 to 20, 2019	-	2000/-

2018	Dr. A.K.Goswami	Workshop on Youth Technologist Startup Conclave 2019 under Start-up at UICT KBCNMU Jointly organized on January 22, 2019.	-	38744/-
2018	Dr. G.A.Bathe	Reimburse Registration Fees of International Conference on global Trends in Science, Technology, Humanities, Commerce and Mgmt. During January 18 to 20, 2019 at SSBT Bambhori.	-	1000/-

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	Dates (from-to)	No. of participants (Teaching Staff)	No. of participants (Non-teaching staff)
2018	Two days Faculty Development Programme on C/C++ ((Quick Heal and KBCNMU))	-	12-07-2018 to 13-07-2018	52	-
2018	Faculty Development Program	-	17-12-2018 to 22-12-2018	80	-
2018	Interdisciplinary refresher course in Recent Trends in Teaching-Learning Technology	-	December 10, 2018 December 30, 2018	52	-
2019	-	Microsoft Office and Internet	November 11, 2019	-	50

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	Date and Duration (from – to)
Two days Faculty Development Programme on C/C++ (Quick Heal and KBCNMU)	52	12-07-2018 to 13-07-2018
Faculty Development Program	80	17-12-2018 to 22-12-2018
Interdisciplinary refresher course in Recent Trends in Teaching-Learning Technology	52	December 10, 2018 December 30, 2018

6.3.4 Faculty and Staff recruitment (No. for permanent/fulltime recruitment):

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime
0	0	0	0

6.3.5 Welfare schemes for

Teaching	Yes
Non-teaching	Yes
Students	Yes

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 continued the practice of appointing qualified Internal Auditor for concurrent and continuous audit of the University accounts, for F.Y 2018-19, The University has appointed M/s. Bandukwala & Bafna, Chartered Accountants, Jalgaon a renowned audit firm to carry out its concurrent audit and periodic / vigilance review of all financial records. Reports of Internal Auditor are reviewed by the Statutory Auditors and the authorities of University (Finance and Accounts Committee and Management Council, Constituted and empowered as per the Maharashtra Uni. Act 2016 in their meetings from time to time.

Similarly, as per the Maharashtra Public Universities Act, 2016, Section 135 (2), The University appointed M/s. A.I Kothari & Associates, Jalgaon, another renowned CA firm as statutory auditors for the financial year 2017-18 and 2018-19. The Audit of University Accounts is completed upto the financial year 2017-18 and the same is approved by University Authorities (the Financial Account Committee /Management Council /Senate) as per the provisions of the Maharashtra University Act.2016.

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/ Grants received in Rs.	Purpose
Nil	Nil	Nil

6.4.2 Total corpus fund generated : Rs. 2,33,55,388/-

6.5 Internal Quality Assurance System:**6.5.1 Whether Academic and Administrative Audit (AAA) has been done?**

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	-	Yes	University Constitution Committee
Administrative	No	-	No	-

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

The university has encouraged colleges to take autonomous status. Total 02 colleges have been granted autonomous status so far.

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

Feedback regularly

City Bus Service

Internal Transport

6.5.4 Development programmes for support staff (at least three)

- Women Motivation
- Capacity Building
- 3. Health Check up

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

- Formation of IQAC committee of the Institute
- Implementation of CBCS as per UGC norms for the programs conducted by the university school.
- Syllabus revision with outcome based technique
- Definition of course outcomes, program educational outcomes and program outcomes of all the programs of the institute.
- Use of MIS academic and administrative functions.
- Lecture recording system.
- Wifi connectivity of all classrooms.
- Academic and Administrative Audit of the Institute.

6.5.6

- a. Submission of Data for AISHE portal : Yes
- b. Participation in NIRF : Yes
- c. ISO Certification : No
- d. NBA or any other quality audit : No

6.5.7 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-----)	Number of participants
2019	NAAC Awareness Programme (NAP) Workshop	January 17-18	17 Jan 2019 to 18 Jan 2019	170
2019	SAWAYAM: MOOCs and e-Content Development	21 May 2019	21-05-2019 to 21-05-2019	71
2019	CGPA and New exam rules	03/09/2018	03/09/2018 to 03/09/2018	17

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-to)	Participants	
		Female	Male
Personality Development	1 day (8-03-19)	70	0
Self defense training for girl students	8 days (1-02-19 to 8-02-19)	60	0
Dr. Babasaheb Ambedkar and Emancipation of women	1 day (12-02-19)	130	146

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.

- Promoting awareness against wastage of Water & Electricity.
- Installation of ample number of Power Saving LED lights in both Campus.
- Green Drive (Planting of trees) mass plantation on the university campus.
- Implementation of solar based street light in the campus (12W/24W) Green Initiative project of MEDA.
- Use of battery-operated vehicle (14 Capacity): Charging through 5KVA solar plant: CADP project.
- Replacement of conventional tubes by LED fixture in various building and street lights of campus: Energy Saving Initiative.
- Installation of solar water heaters in Hostel/ Girl Hostel / Building in KBCNMU Campus.
- Implementation of solid, liquid and E-waste Practices.

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	12
Provision for lift	Yes	12
Ramp/ Rails	Yes	12
Braille Software/facilities	Yes	20
Rest Rooms	No	-
Scribes for examination	Yes	06
Special skill development for differently abled students	Yes	06
Any other similar facility	-	-

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2019	1	4	16/02/2019 (1 day)	Specialty Checkup for employees and their relatives in association with Red Swastik, Jalgaon	A lecture on 'Importance of exercise, meditation, yoga to improve circulation' by Dr Mohnish Bhajiwale (Neurosurgeon, Mumbai)	160
			2/07/2018	Providing health services to the villages of nearby region at University health centre	OPD is made open these villagers, X-ray, Pathology & ECG are provided at Govt Hospital rates	981
			10-03-19 (1 day)	KBC NMU health centre has involved itself in National Pulse Polio drive undertaken every year	Children <5 Y in the campus as well as near villages were immunized by University staff	44
			02-07-2018	Medical checkup of Kendriya Vidhyalaya students	It is carried out on yearly basis at health Centre in which involves general and systemic examination	772

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

Title	Date of Publication	Follow up (maximum 100 words each)
-	-	-

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants
National Science Day was celebrated at various Schools by organizing guest lectures, competitions, poster presentation, quizzes, etc.	28-02-19	450
Guest lecture on 'Biography of Shivaji and his thoughts' by Prof. S.B. Patil on the occasion of Shivaji Jayanti	1 day (19 th Feb, 2019)	230
A voting awareness camp was organized by School of Management Studies and Election Commission of India, Jalgaon	2 days (23-01-19 to 24-01-19)	102
Guest lecture by Prof. Prahlad Lulekar, Aurangabad on 'Mahatma Phule' under celebration of Phule-Ambedkar jayanti	1 day (11 th April, 2018)	200
Geet gayan on 'Phule-Ambedkar' under celebration of Phule-Ambedkar jayanti	1 day (12 th April, 2018)	200
Guest lecture on 'Views of Dr. B.R. Ambedkar on internal and external defense of India' by Prof. H.N. Sonkamble, Aurangabad	1 day (14-04-18)	65
Guest lecture on 'Experiences and biography of a third gender person' by Ms. Disha Khan and Prof. A.G. Khan	1 day (5-07-18)	60
Teachers Day was celebrated at various Schools by organizing guest lectures.	5-09-18	144
Guest lecture on 'Challenges to Indian Defense and Terrorism beyond the Indian border' by Major General Dr. J.D. Bakshi	1 day (11-09-18)	233
Lecture series under Faculty Exchange Program on 'Cross-cultural values and CSR activity in Financial Firm' by G. Sanchez, CETYS Univ, Mexico	1 day (20-09-18)	09
Gandhi Bhajans at Gandhi Tekdi	1 day (2-10-18)	70
Guest lecture on 'Gandhi thoughts: Past, Present and Future' by Dr. Phula Bagul, Shirpur	1 day (3-10-18)	150
Workshop on Gandhi thoughts at Pratap Philosophy Centre, Amalner	1 day (5-10-18)	40
Elocution completion on 'Today's Nationalism and Gandhi thoughts' at Gandhi Jayanti saptah for campus students	1 day (8-10-18)	30
Vachan Prerana Din celebration on the occasion of Dr. APJ Abdul Kalam's jayanti	3 days (15-10-18 to 17-10-18)	250
Guest lecture at Kav. Bahinabai Chaudhari's smriti din by Prof. Indrajeet Bhalerao, Parbhani	1 day (3-12-18)	110
Guest lecture at Mahaparinirwan din by Prof. Datta Bhagat, Aurangabad	1 day (6-12-18)	130

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Tree plantation is carried out on campus every year to increase the greenery.
- Minimum use of paper and plastic within office and campus.
- Installation of ample number of Power Saving LED lights in Campus.
- Rain water harvesting.
- Implementation of Solar Based Street Light in the campus (12W/24W).
- Installation of solar water heaters in Boys Hostel/Girl Hostel/ Buildings in the KBCNMU Campus.
- Energy Audit of the university is conducted on regular basis.
- Electric vehicle for transport in the campus

Make the campus free of e-waste and plastic waste:

- University covers 650 acres land on the campus. It is the honest feeling of each and every individual on the campus to keep it most clean especially free of plastic- and e-waste. In the line of this objective this year collection of e-waste was made at a central place and the collected waste has been given to. Its 'Recycling Centre' for proper disposal. The University has established a procedure on collection of e-waste and plastic waste at source

7.2 Best Practices:

Describe at least two institutional best practices: Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link.

i) Best Practice: Blood donation:

- a) **Title of the Best Practice:** Incentives for voluntary Blood donation
- b) **Objective of the Practice:** To promote the practice of voluntary Blood donation amongst the students. This will facilitate supply of blood to the needy and can potentially save a life.

Blood donation has been considered as most vital kind of donation, which not only inculcates the values towards caring others but also provides substantial support to humankind otherwise not possible with any wealthy contributions.

- c) **The context:** It is generally observed that the major cause of death during a road accident is excessive bleeding. If blood to the person can be supplied in time, the life can be saved. It is the delay in shifting the person to the hospital and limitation of blood for transfusion that very often result in mortality. Availability of blood in the blood banks is always limited. In order to motivate the young students enrolled in the higher education system, the voluntary blood donation by them has been duly recognised by the university by incentivising it. The KBCNMU probably is one of the few state universities to have initiated such a novel practice for a national cause.
- (d) **The practice:** The activity was initiated in the year 2014 with formal resolution passed by Management Council of the University. In this year activity was gracefully with voluntary participation of student-teacher community. The benefit of 2 additional marks can be given for the purpose of passing, getting exemption or simply can be added to the total individual in the campuses of colleges affiliated to the university.

Blood donation camps (Year 2018-19):

Sr. No	Blood donation camp	Date	Participants	Blood collection
1	Phule-Ambedkar Jayanti Mahotsav	13-04-18	128	100
2	Gandhi Jayanti Saptah	04-10-18		

Faculty-wise beneficiaries of the practice (Year 2018-19):

Sr. No	Faculty	Exam	Beneficiary students
1	Engineering	April, 2019	17
2	Arts and Fine Arts	April, 2019	4
3	Commerce and Management	April, 2019	7
4	Science	April, 2019	35
5	Medical (Pharmacy)	April, 2019	3
6	Mental and Moral Sciences	April, 2019	1
Total			67

Marks secured by the candidates.

- (v) **Evidence of success:** In the year 2018-19 as many as 128 students and teachers contributed this venture. In total 100 bottles blood was collected and handed over to blood bank in the Jalgaon city. As many as 67 students have been given benefits under this Ordinance.
- (vi) **Problems encountered and resources required:** There is still a lot of hesitation and resistance on part of student community. A rigorous campaign will be started highlighting the benefit of periodic blood donation by a healthy individual in the campuses of colleges affiliated to the university.

ii) Best Practice: Lab to land:**a) Title of the practice: Lab to Land****b) Objectives:**

- To provide technical know-how related to sustainable agriculture to the farmers holding marginal land under the University jurisdiction.
- To promote and aware the farmers regarding benefits of organic farming.

c) Context: Though appreciable research work is conducted in university related to sustainable development of agricultural sector, very few innovations are reaching to the farmers. the Agro-Bio technologies and biological based pesticides as an alternative for Chemical pesticides are developed by School of Life Sciences and School of Chemical Sciences of the university respectively. This know-how in simple form is being given to the farmers through this initiatives of the university.

d) The practice: The KBC North Maharashtra University since its inception has been actively involved in serving to the region. Students from different strata of the region have been getting opportunity to make their career and uplift the families as well as region. University is engaging various research and taken lead in developing technologies related the agriculture needs of the region. However, the gap has been maintained between the end users and researchers. In order to reach the end user and dissipate the knowledge gained out of research a program called 'Lab to Land' has been started. Through this program workshops have been arranged for farmers to make them feel about the science in the agriculture. The program focused especially on the agri-biotechnologies such as use of biofertilizers and bio inoculants in the field to sustain the soil productivity.

e) Evidence of success : The programs conducted under Lab to Land Program:

Lab to land camps (Year 2018-19):

Sr. No	Title and Place of Camp	Date	Participants	Special emphasis
1.	Sustainable Agriculture, Pimpalkhota, Tal- Erondal	15 Aug 2018	46	Awareness of local monsoon pattern
2.	How to get Agriculture information, Dongoan, Tal Dharangaon	4 -5 Aug 2018	37	Marketing information on agricultural products
3.	Domestic Animal cultivation for Agriculture, Tahakali Tal: Dharangoan	2 Oct 2018	28	Livestock management for agriculture
4.	Sustainable Agro Practices, Marwad Tal Amalner	4-5 April 2019	35	Agricultural inputs and their optimum use
5.	Sustainable Agro Practices, Dhār-Kalam sare	6-7 June 2019	55	Agricultural inputs and their optimum use
Total			201	

f) Problems encountered and resources required: Less response from the farmers to adopt this technology.

7.3 Institutional Distinctiveness:

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust.

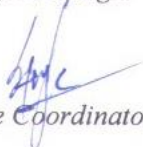
Provide the weblink of the institution in not more than 500 words

HoDs. However, for finance, examination and administration purpose, the school remains a single academic unit. This concept not only ensured optimal use of meagre resource, but also the University has at its disposal, it accrued a number of other intangible benefits e.g. every school being the single academic unit, it became eligible for recognition under UGC-SAP and DIST-FIST as per the faculty requirement norms. As a result, as many as 05 schools and 01 institution on the campus have got these recognition as early as 2003-04 (mere 13 years of existence). These grants helped the schools to augment their academic and research infrastructure, which in turn, helped the faculty and research scholars to pursue quality research. Another intangible benefit of this concern has been sharing of expertise and quality interdisciplinary research. Looking at the success of this model, couple of other Universities in the state have emulated this.

8. Future Plans of action for next academic year (500 words):

- i) Extension of Academic Building for School of Management and School of Computer Sciences
- ii) Development module based learning Management System for university faculty and students.
- iii) Sensitization about use of Google Classroom to university students.
- iv) Submission of Cillage Based Area Development “(CADP) Program for upliftment of tribal Village to RGSTC, Mumbai.
- v) Implementation of Choice based credit system as per NSQF (UGC) guideline.
- vi) Effective implementation of mentor-mentee and advance-slow learner for university schools.
- vii) Introduction of POs PSOs and COs in the revised curricular and their mapping and attainment.

Name: Prof. S.T. Ingle



Signature of the Coordinator, IQAC

Name : Prof. P.P. Patil



Signature of the Chairperson, IQAC



Annexure – I

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Controlled release study of phenol formaldehyde based microcapsules containing various loading percentage of core cypermethrin at different agitation rates	P.S. Karandikar, J.D. Rajput, S.D. Bagul, V.V. Gite, R.S. Bendre	Polymer Bulletin	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
β -Cyclodextrin: A green and efficient supramolecular catalyst for organic transformations	Dipak S. Dalal, Dipak R. Patil, Yogesh A. Tayade	The Chemical Record	2018	2	3	NMU, Jalgaon or KBCNMU, Jalgaon
Hen egg white lysozyme catalyzed efficient synthesis of 3-indolyl-3-hydroxy oxindole in aqueous ethanol	Kiran S. Dalal, Yogesh B. Wagh, Yogesh A. Tayade, Dipak S. Dalal, Bhushan L. Chaudhari*	Catalysis Letters	2018	3	3	NMU, Jalgaon or KBCNMU, Jalgaon
Clean synthesis of coumarin-3-carboxylic acids using water extract of rice straw husk	Manohar Patil, Suresh Bagul, Jamatsingh Rajput, Ratnamala Bendre,	Green Materials	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Synthesis of biobased polyols using algae oil for multifunctional polyurethane coatings	C. K. Patil, H. D. Jirimali, P. K. Alagi, S. C. Hong, V. V. Gite*	Green Materials	2018	3	1	NMU, Jalgaon or KBCNMU, Jalgaon
Lipase from Porcine Pancreas: An Efficient Biocatalyst for the Synthesis of ortho-Aminocarbonitriles	Kiran S. Dalal, Swapnil A. Padvi, Yogesh B. Wagh, Dipak S. Dalal*,	ChemistrySelect	2018	2	3	NMU, Jalgaon or KBCNMU, Jalgaon
Highly selective nicotinohydrazide based 'turn-on' chemosensor for the detection of bioactive zinc(II): Its biocompatibility and bioimaging application in cancer cells	Patil M, Bothra S, Sahoo SK, Rather HA, Bendre R	Sensors and Actuators B: Chemical	2018	17	4	NMU, Jalgaon or KBCNMU, Jalgaon
A Biomimetic Supramolecular Approach for Charge Transfer between Donor and Acceptor Chromophores with Aggregation-Induced Emission	Jing-Yu Chen, Gajanan Kadam, Akhil Gupta, Anuradha, Sheshanath V. Bhosale, Fei Zheng, Chun-Hua Zhou, Bao-Hua Jia, Dipak S. Dalal, Jing-Liang Li	Chemistry: A European Journal	2018	3	2	NMU, Jalgaon or KBCNMU, Jalgaon
Monoterpenoid derivative based ratiometric fluorescent chemosensor for bioimaging and intracellular detection of Zn ²⁺ and Mg ²⁺ ions	Mr Manohar Patil, Mr Karunesh Keshav, Mr Mukesh Kumar Kumawat, Professor Ratnamala Bendre, Dr. Shilpa Bothra,	Journal of Photochemistry and Photobiology A: Chemistry	2018	7	4	NMU, Jalgaon or KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Simple and Highly Efficient Synthesis of Thioamide Derivatives Using β -Cyclodextrin as Supramolecular Catalyst in Water	Yogesh A. Tayade, Asha D. Jangale, Dipak S. Dalal*	ChemistrySelect	2018	5	7	NMU, Jalgaon or KBCNMU, Jalgaon
Controlled Hydroxyl Functionality of Soybean Oil-Based Polyols for Polyurethane Coatings with Improved Anticorrosion Properties	P. Alagi,, R. GhorpadeC. Patil,, V. GiteSC Hong	Macromolecular Research	2018	4	6	NMU, Jalgaon or KBCNMU, Jalgaon
Insect growth regulatory activity of carvacrol-based 1,3,4-thiadiazoles and 1,3,4-oxadiazoles	Bagul SD, Rajput JD, Srivastava C, Bendre RS ,	Molecular diversity	2018	3	8	NMU, Jalgaon or KBCNMU, Jalgaon
Waste Eggshell-Derived Calcium Oxide and Nanohydroxyapatite Biomaterials for the Preparation of LLDPE Polymer Nanocomposite and Their Thermomechanical Study	HD Jirimali, BC Chaudhari, JC Khanderay, AM Patil, V V Gite	PolymerPlastics Technology and Engineering	2018	4	2	NMU, Jalgaon or KBCNMU, Jalgaon
Utilisation of sebacic acid and nanohydroxyapatite in polyurethane nanocomposite coating	A.Anand, V. V. Gite	Green Materials	2018	0	2	NMU, Jalgaon or KBCNMU, Jalgaon
Effect of maleated polypropylene as a compatibilizer and hyperbranched polyester as a processing aid on polypropylene-wood flour biocomposites	M. R. NevareP. D. TatiyaP. P. MahulikarV. V. Gite*,	Journal of Vinyl and Additive Technology	2018	4	0	NMU, Jalgaon or KBCNMU, Jalgaon
Preparation of Gallic Acid – Anhydride Conjugate and Evaluation of Prodrug Release Through Pva-Based Hydrogel	Rahul R Mahire, Deepika S. Agrawal, Devanand K. Patil, Dhananjay H. More, NIL	Pharmaceutical Chemistry Journal (Springer)	2018	0	2	NMU, Jalgaon or KBCNMU, Jalgaon
Functional soybean oil-based polyols as sustainable feedstocks for polyurethane coatings	P AlagiC PatilH JirimaliV GiteS.C Hong	Industrial crops and products	2018	13	3	NMU, Jalgaon or KBCNMU, Jalgaon
Synthesis, Antimicrobial and Antioxidant Activity of Pyrazole Based Sulfonamide Derivatives	Jagdish R. Badgujar, Dhananjay H. More, Jyotsna S. Meshram, NIL, NIL	Indian Journal & Microbiology	2018	5	12	NMU, Jalgaon or KBCNMU, Jalgaon
Synthesis, crystal structures and biological activities of transition metal complexes of a salen-type ligand	Ratnamala S. Bendre, Samina K. Tadavi, Manohar M. Patil	Transition Metal Chemistry	2018	4	0	NMU, Jalgaon or KBCNMU, Jalgaon
Perspectives on medicinal properties of natural phenolic monoterpenoids and their hybrids	Rajput, J. D, Bagul, S. D, Pete, U. D, Zade, C. M.Bendre, R. S.	Molecular diversity	2018	11	7	NMU, Jalgaon or KBCNMU, Jalgaon
Synthesis and characterization of a novel schiff base of 1,2-diaminopropane with substituted salicylaldehyde and its transition	Samina K. Tadavi, Abhijit A. Yadav, Ratnamala S. Bendre	Journal of Molecular Structure	2018	15	10	NMU, Jalgaon or KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
metal complexes: Single crystal structures and biological activities						
Synthesis and characterization of bio-based polyester and polyamide from citric acid and mannitol	Amardip M.Patil	Oriental Journal Of Chemistry	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Fabrication of renewable myristic acid based polyurethane nano zinc phosphate hybrid coatings to mitigate corrosion of mild steel	S. D. Rajput C. K. Patil V. V. Gite*	Pigment & Resin Technology	2018	2	0	NMU, Jalgaon or KBCNMU, Jalgaon
Facile syntheses and molecular-docking of novel substituted 3,4-dimethyl-1H-pyrrole-2-carboxamide/ carbohydrazide Analogues with antimicrobial and antifungal properties	Bhosale JD, Dabur R, Jadhav GP, Bendre RS ,	Molecules	2018	2	0	NMU, Jalgaon or KBCNMU, Jalgaon
Design, Synthesis And Antioxidant Activity Of N, N' Diacylhydrazines Containing 2(2Isopropyl5Methyl Phenoxy) Moieties, A Solvent Free Green Synthetic Approach.	Ratnamala S. Bendre, Pradnya S. Sathe, Suresh D.Bagul.	Asian Journal of Research in Chemistry and Pharmaceutical Sciences	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Synthesis, Characterization and Antioxidant Potency of Naturally Occurring Phenolic Monoterpenoids Based Hydrazone Motifs	Manohar Patil, Dr. Ratnamala Bendre	Medicinal Chemistry	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Synthesis, Characterization and Investigation of AntiOxidant Activity of Hydrazone-hydrazone Derivatives of 2(2Isopropyl5methyl phenoxy) Acetohydrazone.	Pradnya S. Sathe, Umesh D. Pete, Ratnamala S. Bendre	Asian J. Research Chem.:	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Synthesis, Characterization and In Vitro Antidiabetic Studies of Vanadium Complexes derived from N2O2 donor Ligands.	Pawar, Shashikant P, Tryambakrao J. Patil Ratnamala S. Bendre	Asian Journal of Research in Chemistry	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Synthesis, Characterizations and application of BisphenolA based highly branched polyol in polyurethanes Coatings	Amardip M.Patil	Asian J. Research Chem.	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Studies of thermally assisted interactions of polysulphide polymer with ionic liquids	Shirsath, N.B., Gupta, G.R., Gite, V.V., Meshram, J.S.	Bulletin of Materials Science	2018	2	0	NMU, Jalgaon or KBCNMU, Jalgaon
Synthesis of poly(N-isopropylacrylamide-b-N-vinylcarbazole) copolymers via RAFT polymerization and its stimuli responsive morphology in aqueous media	Pawar, K., Kutcherlapati, S.N.R., Yeole, N., Jana, T., Hundiwale, D.	Journal of Polymer Research	2018	3	2	NMU, Jalgaon or KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Vesicular and micellar self-assembly of stimuli-responsive poly(N-isopropyl acrylamide-b-9-anthracene methyl methacrylate) amphiphilic diblock copolymers	Pawar, K., Kutcherlapati, S.N.R., Yeole, N., Hundiwale, D., Jana, T.	Journal of Applied Polymer Science	2018	1	0	NMU, Jalgaon or KBCNMU, Jalgaon
Studies of Viscosity Coefficient and Density Properties of Imidazolium Based Ionic Liquids in Aqueous Solutions at Different Temperatures	Patil, P.P., Shaikh, V.R., Gupta, G.R., Patil, P.D., Borse, A.U., Patil, K.J.	ChemistrySelect	2018	2	0	NMU, Jalgaon or KBCNMU, Jalgaon
Volumetric Properties of Local Anesthetical Drug Lidocaine Hydrochloride in Aqueous and in Aqueous NaCl Solutions at Different Temperatures	Shaikh, V.R., Salunke, V.R., Behare, K.P., Patil, S.E., Borse, A.U., Patil, K.J.	Journal of Chemical and Engineering Data	2018	3	0	NMU, Jalgaon or KBCNMU, Jalgaon
Volumetric, isentropic compressibility and viscosity coefficient studies of binary solutions involving amides as a solute in aqueous and CCl ₄ solvent systems at 298.15 K	Patil, P.P., Shaikh, V.R., Patil, P.D., Borse, A.U., Patil, K.J.	Journal of Molecular Liquids	2018	1	0	NMU, Jalgaon or KBCNMU, Jalgaon
Analytical estimation of water contents, specific heat capacity and thermal profiles associated with enzymatic model compound β -cyclodextrin	Gupta, G.R., Patil, P.D., Shaikh, V.R., Kolhapurkar, R.R., Dagade, D.H., Patil, K.J.	Current Science	2018	1	6	NMU, Jalgaon or KBCNMU, Jalgaon
Tetraalkylammonium bromide-water mixtures revisited: Isothermal compressibility and internal pressure variation in limiting concentration range at 298.15 K	Tomar, P.A., Shaikh, V.R., Patil, K.J.	Journal of Chemical Thermodynamics	2018	3	3	NMU, Jalgaon or KBCNMU, Jalgaon
Benzimidazole-Based Imine-Linked Copper Complexes in Food Safety: Selective Detection of Cyproheptadine and Thiabendazole	Kaur, M., Raj, P., Singh, N., Kuwar, A., Kaur, N.	ACS Sustainable Chemistry and Engineering	2018	10	6	NMU, Jalgaon or KBCNMU, Jalgaon
Chemosensors for biogenic amines and biothiols	Kaur, N., Chopra, S., Singh, G., Raj, P., Bhasin, A., Sahoo, S.K., Kuwar, A., Singh, N.	Journal of Materials Chemistry B	2018	19	0	NMU, Jalgaon or KBCNMU, Jalgaon
Cu ²⁺ -driven metallo-supramolecular self-assembly and its application in sensing of hydroxyl ion	Kuwar, A., Tayade, K., Keshav, K., Sahoo, S.K., Mayank, Singh, N.	Supramolecular Chemistry	2018	1	11	NMU, Jalgaon or KBCNMU, Jalgaon
Fe(III) conjugated fluorescent organic nanoparticles for ratiometric detection of tyramine in aqueous medium: A novel method to determine food quality	Kaur, N., Kaur, M., Chopra, S., Singh, J., Kuwar, A., Singh, N.	Food Chemistry	2018	11	4	NMU, Jalgaon or KBCNMU, Jalgaon
3D Architected polyazomethine gel synthesis: Its self-assembled	Raghuvanshi, D.S., Shirsath, N.B.,	Bulletin of Materials Science	2018	0	1	NMU, Jalgaon or

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
intercalating complexation with nitro aromatic acceptor	Mahulikar, P.P., Meshram, J.S.					KBCNMU, Jalgaon
Preparation and Characterization of Microcapsules Containing Soybean Oil and Their Application in Self-Healing Anticorrosive Coatings	Shisode, P.S., Patil, C.B., Mahulikar, P.P.	Polymer - Plastics Technology and Engineering	2018	3	0	NMU, Jalgaon or KBCNMU, Jalgaon
Synthesis and biological evaluation of new 2-aryl-4-((4-aryl-1H-1,2,3-triazol-1-yl)methyl)thiazole derivatives	Shinde, V., Mahulikar, P., Mhaske, P.C., Nawale, L., Sarkar, D.	Research on Chemical Intermediates	2018	7	3	NMU, Jalgaon or KBCNMU, Jalgaon
TiO ₂ /polystyrene core-shell nanoparticles as fillers for LLDPE/PLA blend: development, and morphological, thermal and mechanical properties	Bhirud, JD; Mahulikar, PP; Narkhede, HP	INDIAN JOURNAL OF CHEMISTRY SECTION B-ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Detoxification of toxic dyes using biosynthesized iron nanoparticles by photo-Fenton processes	Garole, V.J., Choudhary, B.C., Tetgure, S.R., Garole, D.J., Borse, A.U.	International Journal of Environmental Science and Technology	2018	8	3	NMU, Jalgaon or KBCNMU, Jalgaon
Ionic liquid: Green solvent for the synthesis of cellulose/guar gum/PVA biocomposite	Patil, C.M., Borse, A.U., Meshram, J.S.	Green Materials	2018	4	0	NMU, Jalgaon or KBCNMU, Jalgaon
Sorption and recovery of platinum from simulated spent catalyst solution and refinery wastewater using chemically modified biomass as a novel sorbent	Garole, D.J., Choudhary, B.C., Paul, D., Borse, A.U.	Environmental Science and Pollution Research	2018	3	2	NMU, Jalgaon or KBCNMU, Jalgaon
Surface functionalized biomass for adsorption and recovery of gold from electronic scrap and refinery wastewater	Choudhary, B.C., Paul, D., Borse, A.U., Garole, D.J.	Separation and Purification Technology	2018	29	0	NMU, Jalgaon or KBCNMU, Jalgaon
Viscosity, density and ultrasonic velocity studies of binary aqueous solutions containing amides	Patil, P.P., Patil, R.S., Patil, S.R., Borse, A.U.	Rasayan Journal of Chemistry	2018	0	5	NMU, Jalgaon or KBCNMU, Jalgaon
Chitosan-cu-salen/carbon nano-composite based electrode for the enzyme-less electrochemical sensing of hydrogen peroxide	Jirimali, H.D., Saravanakumar, D., Shin, W.	Journal of Electrochemical Science and Technology	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Ferrocene Tethered Polyvinyl Alcohol/Silica Film Electrode for Electrocatalytic Sulfite Sensing	Jirimali, H.D., Nagarale, R.K., Saravanakumar, D., Shin, W.	Electroanalysis	2018	0	7	NMU, Jalgaon or KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Biocomposite formation using β -cyclodextrin as a biomaterial in poly(acrylamide-co-acrylic acid): preparation, characterization, and salinity profile	Shirsath, N., Raghuvanshi, D., Patil, C., Gite, V., Meshram, J.	Iranian Polymer Journal (English Edition)	2018	2	1	NMU, Jalgaon or KBCNMU, Jalgaon
Generating a three-dimensional non-fullerene electron acceptor by combining inexpensive spiro[fluorene-9,90-xanthene] and cyanopyridone functionalities	Kadam, G., Anuradha, Agarwal, A., Puyad, A., La, D.D., Evans, R.A., Li, J., Gupta, A., Bhosale, S.V.	Materials Chemistry Frontiers	2018	11	13	NMU, Jalgaon or KBCNMU, Jalgaon
QFD for sustainability and improved product (spring) design	Patil, C.K., Husain, M., Halegowda, N.V.	AIP Conference Proceedings	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
A Hybrid Text Line Segmentation Approach for the Ancient Handwritten Unconstrained Freestyle Modi Script Documents	Manisha S. Deshmukh, Manoj P. Patil, Satish R. Kolhe	The Imaging Science Journal, Taylor & Francis	2018	0	2	NMU, Jalgaon or KBCNMU, Jalgaon
Effective Email Spam Filtering Using Origin based Information	P. P. Ghogrey, A. U. Surwade, M. P. Patil	International Journal of Computer Sciences and Engineering	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Empirical Evaluation for Hindi texttoscene generation system	Priyanka Jain, R. P. Bhavsar, B. V. Pawar, Hemant Darbari,	International Journal of Creative Research Thoughts (IJCRT)	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Feature Extraction of Colon and Rectum Cancer from MRI Images	R. Srivaramangai, Nita V. Patil, Ajay S. Patil	International Journal of Advanced Research in Computer Science	2018			NMU, Jalgaon or KBCNMU, Jalgaon
VRML for automatic generation of 3D Scene	Priyanka Jain, R. P. Bhavsar, B. V. Pawar, Hemant Darbari,	International Journal of Computer Application	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Multimodal of Face and Iris based on Local Binary Pattern and GaborZernike Moments	Akram Alsubari, R. J. Ramteke	International Journal of Advanced Research in Computer Science (IJARCS)	2018			NMU, Jalgaon or KBCNMU, Jalgaon
POS Tagging for Marathi Language using Hidden Markov Model	Nita V. Patil	International Journal of Computer Sciences and Engineering	2018			NMU, Jalgaon or KBCNMU, Jalgaon

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Removing NonRelevant Links From Top Search Results Using Feature Score Computation	Swati P. Patil, B.V. Pawar	Bulletin of Pure and Applied Sciences	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Skew detection, skew correction, and shirorekha extraction of line segmented offline handwritten historical marathi documents written in modi script	Parag Anil Tamhankar, Satish Ramesh Kolhe	International Journal Of Latest Trends In Engineering and Technology	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Tree Adjoining Grammar Based Parser for a Hindi Text-to-Scene Conversion System	Jain, P., Bhavsar, R., Kumar, A., Pawar, B.V., Darbari, H., Bhavsar, V.C.	2018 3rd International Conference for Convergence in Technology, I2CT 2018	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Design and development of a dictionary based stemmer for marathi language	Patil, H.B., Mhaske, N.T., Patil, A.S.	Communication s in Computer and Information Science	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Automatic Sub Classification of Benign Breast Tumor	Bhale, A., Joshi, M.	Lecture Notes in Networks and Systems	2018	0	1	NMU, Jalgaon or KBCNMU, Jalgaon
Clustering to enhance network traffic forecasting	Aldhyani, T.H.H., Joshi, M.R.	Lecture Notes in Networks and Systems	2018	2	0	NMU, Jalgaon or KBCNMU, Jalgaon
Study of dimensionality reduction techniques for effective investment portfolio data management	Gadre-Patwardhan, S., Katdare, V., Joshi, M.	Smart Innovation, Systems and Technologies	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Use of Learning Style Based Approach in Instructional Delivery	Vaidya, R., Joshi, M.	Lecture Notes in Networks and Systems	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Agent-based architecture for developing recommender system in libraries	Shirude, S.B., Kolhe, S.R.	Knowledge Computing and its Applications: Knowledge Computing in Specific Domains	2018	1	0	NMU, Jalgaon or KBCNMU, Jalgaon
Classification of Library Resources in Recommender System Using Machine Learning Techniques	Shirude, S.B., Kolhe, S.R.	Communication s in Computer and Information Science	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Term co-occurrence based feature selection for sentiment classification	Sonawane, S.S., Kolhe, S.R.	Communication s in Computer and Information Science	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Designing and Evaluating Online Self Learning Material for English Grammar	Dr. Manisha Vinay Indani	PsychoLingua Publication, Agra	2018			NMU, Jalgaon or KBCNMU, Jalgaon

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Evaluation of agricultural soil quality in Khandesh region of Maharashtra, India	S.T. Ingle, S.N.Patil, P.M.Kolhe, N.P.Marathe, N.R.kachate	Nature Environment and Pollution Technology	2018	2	0	NMU, Jalgaon or KBCNMU, Jalgaon
Analyzing rainfall seasonality and trends in the North Maharashtra region	S. T. Ingle, S. N. Patil, N.K Mahale, Y. J. Mahajan,	Environmental Earth Sciences	2018	0	3	NMU, Jalgaon or KBCNMU, Jalgaon
A Geographical Analysis of Organic Fertilizers Application in Shirpur Tehsil of Maharashtra (MS), India	Y.J.Mahajan, B.D. Patil, S. N. Patil	International Journal of Engineering, Science and Mathematics	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Impact of Irrigation with Sewage Water on Heavy Metal Content in Soil and Crops of Raver Area in Khandesh Region of Maharashtra, India	Harshad R. Kakade, Abhijit S. Thorat, S. R. Thorat	Asian J. Appl. Res.	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Morphometric Study of Amb Watershed from Nagpur District, Using GIS based Quantitative Spatial Analysis.	Kuldip P. Upasani, Rokade, V. M., Sujit S. Shimpi	Journal of Indian Geological Congress	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Water Quality Status of Jalna District of Marathwada Region, Maharashtra State: A Review	Kailas P. Dandge, Satish S. Patil	International Journal of Research in Advent Technology,	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Estimation of DarZarrouk parameters for groundwater exploration in parts of Chopda Taluka, Jalgaon district, Maharashtra (India)	S.N.Patil, N.R.Kachate, S.T. Ingle	Journal of Indian Geophysical Union	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Experimental investigation on phosphate adsorption, mechanism and desorption properties of Mn-Zn-Ti oxide trimetal alloy nanocomposite	Milind Kondalkar, Umesh Fegade, Sanjay Attarde, Sopan Ingle,	Journal of Dispersion Science and Technology, Taylor & Francis	2018	3	0	NMU, Jalgaon or KBCNMU, Jalgaon
Geochemical Investigation for Groundwater Quality and its Suitability for Drinking and Agricultural use of Shirpur Taluka in Dhule District, Maharashtra State, India	S.N.Patil, N.P.Marathe, S.T.Ingle	International Journal of Current Engineering and Scientific Research	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Geospatial Technology for Mapping Spatial Variations of Ground Water Quality Index in Erandol Area of Jalgaon District, Maharashtra State, India	Kailas P. Dandge, Ganpat B. More, Nitin S. Ghope	International Journal of Recent Scientific Research	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Macrocycl Adsorbed Hybrid Nanoparticles for Preconcentration and Atomic Absorption Spectrophotometric Estimation of Zinc from Acid Leached Rodenticide	Kundan C. Tayade, Sopan T. Ingle, Sanjay B. attarde	Journal Applicable Chemistry	2018			NMU, Jalgaon or KBCNMU, Jalgaon

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The status of sed. And heavy metal pollution in wagur river of jalgaon	Chavan T. B, Karshad R. Kakde, Abhijit thorat, S.R. Thorat,	Int. journal on Env. Sci	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Effect of copper on probiotic properties of Lactobacillus helveticus CD6	Paradeshi, J.S., Patil, S.N., Koli, S.H., Chaudhari, B.L.	International Journal of Dairy Technology	2018	3	4	NMU, Jalgaon or KBCNMU, Jalgaon
Atmcharitra: Manus honaychi va januan ghyenyachi prakriya	Dr. ASHUTOH PATIL	Nav Anushtubh	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Samkalin Manavi Jagnyachya Mulyatm Rahsparvache Bhedak Kavyatm Bhan	Dr. ASHUTOH PATIL	Mukta Shabdh	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Value Vs. Value: An Axiological Study of Sudha Murty's Dollar bahuEnglish language, literature and criticism	Mukta Jagannath Mahajan	Litrary Endeavour	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Subjective Information Extraction from Marathi Text	Neelima Mhaske, Ajay S. Patil, Nita V. Patil	International Journal of Information Systems	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Quercetin and silver nitrate modulate organogenesis in Carissa carandas (L.)	Bhusan S Bhadane, V. L. Maheshwari, R. H. Patil	In Vitro Cellular & Developmental Biology – Plant	2018	0	4	NMU, Jalgaon or KBCNMU, Jalgaon
Unveiling an unexpected potential of beetroot waste in green synthesis of single crystalline gold nanoplates: A mechanistic study	Girish K. Deokar, Arun G. Ingale	Arabian Journal of Chemistry	2018	2	0	NMU, Jalgaon or KBCNMU, Jalgaon
Ethnopharmacology, phytochemistry, and biotechnological advances of family Apocynaceae: A review	Bhusan S Bhadane, M P Patil, V. L. Maheshwari, R H Patil,	Phytotherapy Research (Wiley)	2018	8	0	NMU, Jalgaon or KBCNMU, Jalgaon
Phytosynthesized Gold Nanoparticles-Bacillus thuringiensis (Bt-GNP) Formulation: A Novel Photo Stable Preparation Against Mosquito Larvae	SV Patil, CD Patil, CP Narkhede, BV Mohite, SH Koli	Journal of Cluster Science (April 2018).	2018	1	0	NMU, Jalgaon or KBCNMU, Jalgaon
Extracellular red Monascus pigment-mediated rapid one-step synthesis of silver nanoparticles and its application in biomedical and environment	Koli, S. H.Suryawanshi, R. K, Patil, C. D.SV Patil,	Bioprocess Biosyst Eng.	2018	3	5	NMU, Jalgaon or KBCNMU, Jalgaon
Micropropagation and Agrobacterium rhizogenes mediated transformation studies in Mucuna pruriens (L.) DC	K S Vishwakarma, S I Mohammad, A R Chaudhari, N S Salunkhe, V. L. Maheshwari	Ind J Natural Products Resources	2018	4	17	NMU, Jalgaon or KBCNMU, Jalgaon
Assessment of InVivo Antioxidant, AntiInflammatory activities and GCMS analysis of callus extract of Cyclea peltata'	K.S.Patil, S.R.Bhalsing.	Contemporary Research in India	2018			NMU, Jalgaon or KBCNMU, Jalgaon

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Fabrication of Paper Sensor for Rapid Screening of Nanomaterial Synthesizing Potential of Plants	Patil, S.V., Borase, H.P., Patil, C.D., Suryawanshi, R.K., Koli, S.H., Patil, V.S., Mohite, B.V.	Journal of Cluster Science	2018	2	0	NMU, Jalgaon or KBCNMU, Jalgaon
A prospectus of microbial metabolites as ingredients in commercial sunscreens	Suryawanshi, R.K., Koli, S.H., Marathe, V., Mohite, B.V., Patil, V., Patil, S.V.	Sunscreens: Source, Formulations, Efficacy and Recommendations	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Heavy Metal Stress and Its Consequences on Exopolysaccharide (EPS)-Producing <i>Pantoea agglomerans</i>	Mohite, B.V., Koli, S.H., Patil, S.V.	Applied Biochemistry and Biotechnology	2018	10	0	NMU, Jalgaon or KBCNMU, Jalgaon
Operative utility of salt-stable proteases of halophilic and halotolerant bacteria in the biotechnology sector	Mokashe, N., Chaudhari, B., Patil, U.	International Journal of Biological Macromolecules	2018	4	0	NMU, Jalgaon or KBCNMU, Jalgaon
Zero-inflated models and estimation in zero-inflated Poisson distribution	Wagh Y.S., Kamalja K.K	Communications in Statistics Simulation and Computation	2018	6	0	NMU, Jalgaon or KBCNMU, Jalgaon
Estimation in zeroinflated Generalized Poisson distribution	Kamalja K.K, Wagh Y.S.	Journal of Data Science	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Basic results on nonlinear implicit fractional differential equation via successive approximations and integral inequality	H. L. Tidke , R. P. Mahajan	International Review of Pure and Applied Mathematics	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Energy, Wiener index and Line Graph of Prime graph of a Ring	S. S. Joshi, K. F. Pawar	Int. J. Mathematical Combinatorics	2018			NMU, Jalgaon or KBCNMU, Jalgaon
On Prime bikideals of a Ternary Semiring	Swapnil Wani, Kishor Pawar	Sohag Journal of Mathematics	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Reliability and Reliability Importance of Weighted-r-Within-Consecutive-k-outof- n : F System	Kamalja K.K, Amrutkar K.P.	IEEE Transactions on Reliability	2018	2	0	NMU, Jalgaon or KBCNMU, Jalgaon
Some results on Aradicals	Manohar Bhagirath, Kishor Pawar, Rajendra Deore	Adv. & Appl. in Math. Sci.	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Markov chain modeling of stochastic process defined on daily minimum temperature and its applications in weather based crop insurance scheme for banana	Shinde, R.L., Chavhan, R.N.	Mausam	2018	0	2	NMU, Jalgaon or KBCNMU, Jalgaon
Critical review of Pradhan Mantri Mudra yojana towards SC entrepreneurs	Sardar, R.J	International Journal of	2018			NMU, Jalgaon or

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		Management and Economics				KBCNMU, Jalgaon
Digital learning platforms and technologies in Higher education	Sardar, R.J	University News	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Enhancing employability among the youth engaged in Higher educational Institutions in India.	Sardar, R.J	University News	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Study of saving pattern, investment awareness and preference: A case study of jalgaon district investors	Seema Joshi	International Journal of Emerging Technologies and Innovative Research(IJETIR)	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Anodic stripping voltammetry studies of electrochemically engineered silver nanoparticles over single polypyrrole nanowire device for tracing of arsenic(III): an environmental perspective	Salunke, Rahul S., Padmakar G. Chavan, Dhammanand J. Shirale.	Nanotechnology for Environmental Engineering	2018	0	1	NMU, Jalgaon or KBCNMU, Jalgaon
Enhanced field emission properties of V2O5/MWCNTs nanocomposite	Chandradip D. Jadhav, Bidhan Pandit, Swapnil S. Karade,, Babasaheb R. Sankapal, Padmakar G. Chavan,,	Appl. Phys. A	2018	5	0	NMU, Jalgaon or KBCNMU, Jalgaon
Sulfonated chitosan-encapsulated HAp@Fe3O4: an efficient and recyclable magnetic nanocatalyst for rapid eco-friendly synthesis of 2-amino-4-substituted-1,4-dihydrobenzo[4, 5]imidazo[1,2-a]pyrimidine-3-carbonitriles	Vilas Mahire, Girish P. Patil, Amol B. Deore, harishchandra Jirimali , Padmakar G. Chavan, Pramod Mahulikar, ,,	Res. on Chem Inter	2018	5	15	NMU, Jalgaon or KBCNMU, Jalgaon
SILAR controlled CdSe nanoparticles sensitized ZnO nanorods photoanode for solar cell application: Electrolyte effect	Pratibha R.Nikama, Prashant K.Baviskar, SutriptoMajumder, Jaydeep V.Sali, Babasaheb R.Sankapal	Journal of Colloid and Interface Science	2018	8	1	NMU, Jalgaon or KBCNMU, Jalgaon
Effect of film thickness on structural and optical properties of sol-gel spin coated aluminum doped zinc oxide (Al:ZnO) thin films	R K Pandey, Koushik Ghosh, Swati Mishra, Jaspal P Bange, P K Bajpai	Materials Research Express	2018	9	3	NMU, Jalgaon or KBCNMU, Jalgaon
Spectroscopic study of La2O3 thin films deposited by indigenously developed plasma-enhanced atomic layer deposition system	Barhate Viral, Agrawal Khushabu, Patil Vilas, Patil Sumit , Mahajan Ashok	International Journal of Modern Physics B	2018	0	7	NMU, Jalgaon or KBCNMU, Jalgaon

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Atomic Layer Deposited HfO ₂ Ultra-thin Films on Different Crystallographic Orientation Ge for CMOS Applications	Agrawal Khushabu, Patil Vilas, Mahajan Ashok	Thin Solid Film	2018	1	3	NMU, Jalgaon or KBCNMU, Jalgaon
2D porous ZnO nanosheets: One pot synthesis with low turn-on field	Prashant K. Baviskar, Girish P. Patil, Vivekanand S Bagal, Babasaheb R. Sankapal, Padmakar G. Chavan	J.of Nanostru	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Amorphization of SiO ₂ Thin Films by Using 200 MeV Ag ¹⁵⁺ Ions	Anil S. Gaikwad, Ashok M. Mahajan, Yogesh S. Mhaisagar, Swati A. Gupta, Bhavana N. Joshi, Kandasami Asokan	Silicon (Springer)	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Field electron extraction from surface modified Cd(OH) ₂ nanowires	Bagal, V.S., Patil, G.P., Jadhav, C., Sharma, M., Shivhare, S., Chavan, P.G.	AIP Conference Proceedings	2018	0	11	NMU, Jalgaon or KBCNMU, Jalgaon
Analytical Study of Effect of Channel Doping on Threshold Voltage of Metal Gate High-k SiGe MOSFET	Mahajan, R., Gautam, D.K.	Silicon	2018	1	0	NMU, Jalgaon or KBCNMU, Jalgaon
Avalanche effect based vertical handoff system for wireless communication	Mali, G.U., Gautam, D.K.	Advances in Intelligent Systems and Computing	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Shortest Path Evaluation in Wireless Network Using Fuzzy Logic	Mali, G.U., Gautam, D.K.	Wireless Personal Communications	2018	7	1	NMU, Jalgaon or KBCNMU, Jalgaon
Statistical Modeling of Combinational Circuits Using Path Based Delay Analysis	Patil, S.R., Gautam, D.K.	Silicon	2018	0	2	NMU, Jalgaon or KBCNMU, Jalgaon
Study of water transport characteristics of poly(o-ethylaniline) coatings: corrosion mechanism	Shinde, V.P.	Ionics	2018	3	4	NMU, Jalgaon or KBCNMU, Jalgaon
X-Ray Diffraction and Mössbauer Studies of the Structural Features of BiFe _{1-x} Zn _x O ₃ Multiferroics	Amirov, A.A., Guseynov, M.M., Yusupov, D.M., Abdulkadirova, N.Z., Chaudhary, Y.A., Bendre, S.T.	Journal of Surface Investigation	2018	0	1	NMU, Jalgaon or KBCNMU, Jalgaon
Phase transitions and magnetoelectric coupling in BiFe _{1-x} Zn _x O ₃ multiferroics	Amirov, A.A., Chaudhari, Y.A., Bendre, S.T., Chichay, K.A., Rodionova, V.V., Yusupov, D.M., Omarov, Z.M.	European Physical Journal B	2018	3	3	NMU, Jalgaon or KBCNMU, Jalgaon

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Magnetocaloric Effect in BiFe _{1-x} Zn _x O ₃ Multiferroics	Amirov, A.A., Makoed, I.I., Chaudhari, Y.A., Bendre, S.T., Yusupov, D.M., Asvarov, A.S., Liedienov, N.A., Pashchenko, A.V.	Journal of Superconductivity and Novel Magnetism	2018	3	3	NMU, Jalgaon or KBCNMU, Jalgaon
Physical properties of poly[(thiophene-2,5-diyl)-co-para-chloro benzylidene] doped with cobalt sulphate: synthesis and characterization	Mahashabde, J.P., Patel, S.N., Baviskar, P.K.	Polymer Bulletin	2018	3	1	NMU, Jalgaon or KBCNMU, Jalgaon
Morphological and optical study of Ag ₂ Se quantum dots	Chand, S., Sharma, D., Sharma, V., Sharma, P.	AIP Conference Proceedings	2018	0	6	NMU, Jalgaon or KBCNMU, Jalgaon
Reservation in Researvation and Mehtar Cast's Condition	Mr. Umesh Ashok Gogadia	Printing Aria	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Preparation and characterization of miglitol-loaded Poly (d, l-lactide-co-glycolide) microparticles using high pressure homogenization-solvent evaporation method	Mrunal Waghulde, Rahul Rajput, Arun Mujumdar, Jitendra Naik,	International Journal of Polymeric Materials and Polymeric Biomaterials	2018	2	2	NMU, Jalgaon or KBCNMU, Jalgaon
Food fortification of soy protein isolate for human health	Parate Vishal. R., S. Sonawane Shiram, S. Munje Shyam	Research Journal of Chemistry and Environment	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Development of vildagliptin loaded Eudragit® microspheres by screening design: in vitro evaluation	MR Waghulde, Jitendra Naik	Journal of Pharmaceutical Investigation	2018	5	0	NMU, Jalgaon or KBCNMU, Jalgaon
Biodiesel Production in Tubular Microreactor: Optimization by Response Surface Methodology	Preena Shrimal, Himanshu Sanklecha, Pritam Patil, Arun Mujumdar, Jitendra Naik	Arabian Journal for Science and Engineering	2018	0	2	NMU, Jalgaon or KBCNMU, Jalgaon
Effect of multilayered nanostructures on the physico-mechanical properties of ethylene vinyl acetate-based hybrid nanocomposites	Prashant S. Khobragade, D. P. Hansora, Jitendra B. Naik, James Njuguna, Satyendra Mishra	Polymer Composites	2018	5	5	NMU, Jalgaon or KBCNMU, Jalgaon
Synthesis and evaluation of gas sensing properties of PANI, PANI/SnO ₂ and PANI/SnO ₂ /rGO nanocomposites at room temperature	S Kulkarni, P Patil, A Mujumdar, J Naik,	Inorganic Chemistry Communications	2018	4	5	NMU, Jalgaon or KBCNMU, Jalgaon
Development of Soy Protein Isolate Fortified Cookies Variety Biscuits	Parate Vishal R. , Sonawane Shiram S.	Research Journal of Chemistry and Environment	2018	0	3	NMU, Jalgaon or KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Self-assembled 3D zinc borate florets via surfactant assisted synthesis under moderate pressures: Process temperature dependent morphology study	Dhiraj S Mahajan, Tushar Deshpande, Mahendra L Bari, UjwalDPatil, Jitendra S Narkhede	Material Reasearch Express	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Synthesis of nano CaCO ₃ /acrylic co-polymer latex composites for interior decorative paints	Virendra J. Patil, Ujwal D. Patil, Ravindra D. Kulkarni, Nippon Ghosh,	Polymer Copmposites	2018	2	2	NMU, Jalgaon or KBCNMU, Jalgaon
Production of aceclofenac-loaded sustained release micro/nanoparticles using pressure homogenization and spray drying	R Deshmukh, A Mujumdar, J Naik	Drying Technology	2018	7	5	NMU, Jalgaon or KBCNMU, Jalgaon
Segmented microfluidics for synthesis of BaSO ₄ nanoparticles	Nirvik SenV Koli, KK Singh, L Panicker, R Sirsam	Chemical Engineering and ProcessingProce ss Intensification	2018	5	5	NMU, Jalgaon or KBCNMU, Jalgaon
Preparation and Characterization of Glipizide Loaded Eudragit Microparticles	Rutuja Deshmukha, S. Mishra , Jitendra Naik	Micro and Nanosystems	2018	1	3	NMU, Jalgaon or KBCNMU, Jalgaon
Solution spray synthesis and surface modification of SiO ₂ nanoparticle for development of UV curable concrete coatings	Hatkar, V. M, V. J. Patil, Y. E. Bhoge, J. S. Narkhede, U. D. Patil	Vacuum	2018	1	1	NMU, Jalgaon or KBCNMU, Jalgaon
Preparation and characterization of artemether loaded solid lipid nanoparticles: a 32 factorial design approach	Jayesh Patil, Rahul Rajput, Rupali Nemade, Jitendra Naik,	Materials Technology	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Value Added Bakery Products from Low Cost Raw Materials by using Chemical Interesterification	Subodh Ghule, G. A. Usmani	International Journal of Creative Research Thoughts (IJCRT)	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Carrier Based Oral Nano Drug Delivery Framework: A Review	JS Patil, JB Naik	Current Nanomaterials	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Development of Biodegradable Glimepiride Loaded Chitosan Nano Particles: A Factorial Design Approach	Umakant Verma, Jitendra B Naik, Rutuja Deshmukh, Satyendra Mishra,	Current Environmental Engineering	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Development of Heat Processed Tomato Salsa and its ShelfLife Extension Using HDPE and Retort Packaging	Ravina V. Solunke, Vinay Oswal , Pavankumar R. More, Vishal R. Parate, M.I. Talib	Intl. J. Food. Ferment. Technol	2018			NMU, Jalgaon or KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Monoethanolamide Based Nonionic Gemini Surfactant from Renewable Sources: Synthesis, Characterization and Anticorrosion Study	Ishwar T. Gawali, G. A. Usmani	International Educational Journal of Science and Engineering (IEJSE)	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Studies on effects of different processing methods on nutritional qualities of hydrolyzed starch resistant from rice industry Byproduct (Paddy straw)	V.M Nirwal, VR Parate, MI Talib	International Journal of Chemical Studies	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Thermodynamics of adsorption of C. I. Basic Violet 3 by Cordia myxa	Fakir Akhtar Sattar Shah, G. A. Usmani	Journal of Research and Development	2018			NMU, Jalgaon or KBCNMU, Jalgaon
Green synthesis of nanocapsules for self-healing anticorrosion coating using ultrasound-assisted approach	Bagale, U.D., Sonawane, S.H., Bhanvase, B.A., Kulkarni, R.D., Gogate, P.R.	Green Processing and Synthesis	2018	3	26	NMU, Jalgaon or KBCNMU, Jalgaon
Development of antimicrobial LDPE/Cu nanocomposite food packaging film for extended shelf life of peda	Lomate, G.B., Dandi, B., Mishra, S.	Food Packaging and Shelf Life	2018	14	1	NMU, Jalgaon or KBCNMU, Jalgaon
Comparative Investigation of Dynamic Foam Behavior of Air-Water and CO ₂ -Water Systems	Bathe, G.A., Bhagat, M.S., Chaudhari, B.L.	Journal of Surfactants and Detergents	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Development and characterization of Fast Dissolving Film of Chitosan embedded Famotidine Using 32 Full Factorial Design Approach	Verma, U., Rajput, R., Naik, J.B.	Materials Today: Proceedings	2018	2	0	NMU, Jalgaon or KBCNMU, Jalgaon
Development and validation of analytical method for vildagliptin encapsulated poly-ε-caprolactone microparticles	Waghulde, M., Naik, J.	Materials Today: Proceedings	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Biodegradation of Isotactic Polypropylene (iPP)/Poly(lactic acid) (PLA) and iPP/PLA/Nano Calcium Carbonates Using Phanerochaete chrysosporium	Shimpi, N., Borane, M., Mishra, S., Kadam, M., Sonawane, S.S.	Advances in Polymer Technology	2018	1	3	NMU, Jalgaon or KBCNMU, Jalgaon
High-performance polyimide film based hybrid nanostructures: Synthesis, characterization, and properties investigation	Shimpi, N., Hansora, D.P., Mishra, S.	Polymer Composites	2018	0	0	NMU, Jalgaon or KBCNMU, Jalgaon
Ilmenite phase nickel titanate nanowhiskers as highly sensitive LPG sensor at room temperature	Chaudhari, P., Mishra, S.	Journal of Materials Science: Materials in Electronics	2018	1	0	NMU, Jalgaon or KBCNMU, Jalgaon
Polyaniline/zinc oxide nanocomposite as room-temperature sensing layer for methane	Sen, T., Mishra, S., Sonawane, S.S., Shimpi, N.G.	Polymer Engineering and Science	2018	4	0	NMU, Jalgaon or KBCNMU, Jalgaon

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Preparation and analysis of polypropylene composites with maleated tea dust particles	Lanjewar, S.R., Bari, P.S., Hansora, D.P., Mishra, S.	IEEE Journal of Selected Topics in Quantum Electronics	2018	4	2	NMU, Jalgaon or KBCNMU, Jalgaon
RGO–MWCNT–ZnO based polypyrrole nanocomposite for ammonia gas sensing	Mahajan, C., Chaudhari, P., Mishra, S.	Journal of Materials Science: Materials in Electronics	2018	7	0	NMU, Jalgaon or KBCNMU, Jalgaon
Fortification of wheat flour with ragi flour: Effect on physical, nutritional, antioxidant and sensory profile of noodles	Kudake, D.C., Bhalerao, P.P., Chaudhari, N.S., Muley, A.B., Talib, M.I., Parate, V.R.	Current Research in Nutrition and Food Science	2018	4	0	NMU, Jalgaon or KBCNMU, Jalgaon
Fully biobased polyester polyols derived from renewable resources toward preparation of polyurethane and their application for coatings	J. C. Khanderao V V Gite*	Journal of Applied Polymer Science	2019	3	0	KBCNMU, Jalgaon
Biginelli Reaction: Polymer Supported Catalytic Approaches	Rajendra Patil, Jagdish Chavan, Dipak S. Dalal, Vaishali S. Shinde, Anil Beldar	ACS Combinatorial Science	2019	5	0	KBCNMU, Jalgaon
Functional antimicrobial and anticorrosive polyurethane composite coatings from algae oil and silver doped egg shell hydroxyapatite for sustainable development	C K Patil H D Jirimali,, J S Paradeshi,, B L Chaudhari V V Gite *	Progress in Organic Coatings	2019	2	2	KBCNMU, Jalgaon
Highly Efficient, Combinatorial and Catalyst-Free Approach for the Synthesis of 2-Benzylidenehydrazono-3-phenyl-4-thiazolidinone-5-acetates in Ethanol	Asha D. Jangale, Dipak S. Dalal*	ChemistrySelect	2019	1	0	KBCNMU, Jalgaon
Synthesis, photophysical, solvatochromic and DFT studies of (Z)-2-(2-Phenyl-4H-benzo[4,5]thiazolo[3,2-a]pyrimidin-4-ylidene)acetonitrile derivatives	Patil, R.S., Patil, A.S., Patil, V.S., Jirimali, H.D., Mahulikar, P.P.	Journal of Luminescence	2019	1	1	KBCNMU, Jalgaon
Unprecedented exploration of ionic liquids as additives which astonishes the thermal stability of PVC formulations	Gupta, G.R., Nevare, M.R., Patil, A.M., Gite, V.V.	Bulletin of Materials Science	2019	0	0	KBCNMU, Jalgaon
Waste Eggshells for the Decoration of Carbon Nanotubes and Graphene Nanosheets with Hydroxyapatite for Preparation of LLDPE Nanocomposites	Chaudhari, B.C., Khanderao, J., Patil, C., Patil, A.M., Joshi, S.A., Singh, V., Palodkar, K.K., Sesha Sainath, A.V., Gite, V.V., Jirimali, H.D.	Journal of Polymers and the Environment	2019	0	0	KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Exploration of highly selective fluorogenic 'on-off' chemosensor for H ₂ PO ₄ ⁻ ions: ICT-based sensing and ATPase activity profiling	Wagh, Y.B., Tayade, K.C., Kuwar, A., Sahoo, S.K., Mayank, Singh, N., Dalal, D.S.	Luminescence	2019	0	0	KBCNMU, Jalgaon
CsF promoted rapid synthesis of spirooxindole-pyran annulated heterocycles at room temperature in ethanol	Wagh, Y.B., Padvi, S.A., Mahulikar, P.P., Dalal, D.S.	Journal of Heterocyclic Chemistry	2019	0	0	KBCNMU, Jalgaon
Studies of Volumetric and Viscosity Properties in Aqueous Solutions of Imidazolium Based Ionic Liquids at Different Temperatures and at Ambient Pressure	Patil, P.D., Shaikh, V.R., Gupta, G.R., Hundiwale, D.G., Patil, K.J.	Journal of Solution Chemistry	2019	1	0	KBCNMU, Jalgaon
Studies of the Effect of Urea on PEG-4000 Polymer-Water Interactions at 298.15 K	Kushare, S.K., Shaikh, V.R., Dagade, D.H., Patil, K.J.	Journal of Chemical and Engineering Data	2019	0	2	KBCNMU, Jalgaon
Thermodynamic studies of aqueous solutions of ammonium based nitrate protic ionic liquids at different temperatures (288.15 K to 303.15 K) and 101.325 kPa: A volumetric approach	Patil, K.R., Shaikh, V.R., Patil, S.K., Dagade, D.H., Patil, K.J.	Journal of Molecular Liquids	2019	0	0	KBCNMU, Jalgaon
Eco-friendly waterborne coating from bio-based polyester amide resin	Gaikwad, M.S., Kusumkar, V.V., Yemul, O.S., Hundiwale, D.G., Mahulikar, P.P.	Polymer Bulletin	2019	4	1	KBCNMU, Jalgaon
Colorimetric sensor for detection of trace level Al(III) in aqueous medium based on organic-inorganic nanohybrid	Kaur, R., Kaur, N., Kuwar, A., Singh, N.	Chemical Physics Letters	2019	2	0	KBCNMU, Jalgaon
High Performance Fluorescent Turn-On Probe for Amitriptyline Based on Hybrid Nanoassembly of Organic-Inorganic Nanoparticles	Saini, A., Kaur, R., Singh, N., Kuwar, A., Kaur, N.	ACS Applied Bio Materials	2019	1	2	KBCNMU, Jalgaon
Rhodamine based NIR and ratiometric fluorescent sensor for selective identification of potassium ion: application in biological sample	Kaur, R., Sahoo, S.K., Kuwar, A., Kaur, N., Singh, N.	Supramolecular Chemistry	2019	0	1	KBCNMU, Jalgaon
Electrochemical investigations of thymine and thymidine in 1-butyl-3-methyl imidazolium tetrafluoroborate ionic liquids at room temperature	Tayade, S., Patil, K., Sharma, G., Patil, P., Mane, R.M., Mahulikar, P., Sharma, K.K.K.	Chemical Papers	2019	0	0	KBCNMU, Jalgaon
Impact of synergism of LDH with PNCC on the thermal and mechanical properties of polyester nanocomposites	Patil, A.A., Patil, C.B., Mahulikar, P.P.	Polymer-Plastics Technology and Materials	2019	0	0	KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Recent Advances in Safe Synthesis of Energetic Materials: An Overview	Badgajar, D.M., Talawar, M.B., Zarko, V.E., Mahulikar, P.P.	Combustion, Explosion and Shock Waves	2019	0	0	KBCNMU, Jalgaon
Synthesis and antimycobacterial evaluation of new 5-(1-benzyl-1H-1,2,3-triazol-4-yl)-4-methyl-2-arylthiazole derivatives	Shinde, V., Mahulikar, P., Mhaske, P.C., Chakraborty, S., Choudhari, A., Phalle, S., Choudhari, P., Sarkar, D.	Medicinal Chemistry Research	2019	1	3	KBCNMU, Jalgaon
Synthesis and biological evaluation of new 4-(4-(1-benzyl-1H-1,2,3-triazol-4-yl)phenyl)-2-phenylthiazole derivatives	Shinde, V., Mhaske, P.C., Singh, A., Sarkar, D., Mahulikar, P.	Journal of Heterocyclic Chemistry	2019	0	0	KBCNMU, Jalgaon
Column and batch sorption investigations of nickel(II) on extractant-impregnated resin	Tetgure, S.R., Choudhary, B.C., Borse, A.U., Garole, D.J.	Environmental Science and Pollution Research	2019	0	0	KBCNMU, Jalgaon
Green reduction of graphene oxide and its applications in band gap calculation and antioxidant activity	Tayade, U.S., Borse, A.U., Meshram, J.S.	Green Materials	2019	0	0	KBCNMU, Jalgaon
Palladium nanocatalyst: green synthesis, characterization, and catalytic application	Garole, V.J., Choudhary, B.C., Tetgure, S.R., Garole, D.J., Borse, A.U.	International Journal of Environmental Science and Technology	2019	2	0	KBCNMU, Jalgaon
Synthesis, characterization, and antioxidant activity of thymol-based paracetamol analogues	Sathe, P.S., Rajput, J.D., Gunaga, S.S., Patel, H.M., Bendre, R.S.	Research on Chemical Intermediates	2019	0	0	KBCNMU, Jalgaon
Improved Hybrid Approach of Filtering using Classified Library Resources in Recommender System	Shirude S. B., Satish Kolhe	Intelligent Computing Paradigms: Recent Trends, Studies in Computational Intelligence Series	2019	0	0	KBCNMU, Jalgaon
Automatic Speech Recognition (ASR) System for Isolated Marathi Words: using HTK	Sunil Patil, Nita Patil, Ajay Patil	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	0	KBCNMU, Jalgaon
Feature Optimization in Sentiment Analysis by Term Co-occurrence Fitness Evolution (TCFE)	Sudarshan S. Sonawane, Satish Kolhe	International Journal of Information Technology and Web Engineering (IJITWE)	2019	0	0	KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
A Conceptual Framework of Expert Finding System for Academic Events and Committees	Shirude Snehalata B., Satish Kolhe	International Journal of Computer Sciences and Engineering	2019			KBCNMU, Jalgaon
An Efficient Camera Identification Technique using Krawtchouk Moment Invariants	Megha Borole, Satish Kolhe	Journal of Mechanics of Continua and Mathematical Sciences	2019			KBCNMU, Jalgaon
Automatic Marathi Text Classification	Rupali P. Patil, R. P. Bhasvar, B. V. Pawar	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019			KBCNMU, Jalgaon
Composite Feature Extraction and Classification for Fusion of PalmPrint and Iris Biometric Traits	Akram Alsubari, Shaikh Abdul Hannan, M. Alzahrani, R. J. Ramteke,	Engineering, Technology & Applied Science Research	2019			KBCNMU, Jalgaon
Conceptual Architecture of Automatic Medicinal Plants Identification System for Manudevi Region	S. B. Shirude	International Journal of Advanced Research In Science, Engineering and Technology (IJARSET)	2019			KBCNMU, Jalgaon
Development of Isolated Malvani Spoken Word ASR System based on Hidden Markov Model	Sunil Patil, Nita Patil , Ajay Patil	International Journal of Computer Research & Technology (IJCRT)	2019			KBCNMU, Jalgaon
Effectiveness of Use of Spoken Tutorial Implementing ICT based Learning for Computer Science Students	S. B. Shirude	International Journal of Advanced Research In Science, Engineering and Technology (IJARSET)	2019			KBCNMU, Jalgaon
Implementation of Basic and Fuzzy CAN Communication in Context with Automotive Application(s)	Umesh B. Pawar, Sunil G. Bhirud, Satish R. Kolhe	International Journal of Control and Automation	2019			KBCNMU, Jalgaon
TCSD: Term Co-occurrence Based Sarcasm Detection from Twitter Trends	Sudarshan S. Sonawane, Satish R. Kolhe	Procedia Computer Science	2019			KBCNMU, Jalgaon
The Future of Farming Through the IoT Perspective	Chetan N Kulkarni , Dr. Ajay U Surwade	International Research Journal of	2019			KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
		Engineering and Technology				
Use of Web Page Tag Information for Efficient Information Retrieval	S. S. Bhamare	International Journal of Research in Advent Technology (IJRAT) UGC Approved	2019			KBCNMU, Jalgaon
Near Duplicate Web Page Detection for Efficient Web Crawling: A Survey	S. S. Bhamare	International Journal of Advanced Scientific Research and Management	2019			KBCNMU, Jalgaon
Phishing e-mail is an increasing menace	Dr. Ajay U Surwade, NA, NA, NA, NA	International Journal of Information Technology	2019			KBCNMU, Jalgaon
Comparison with Evaluation of Intra Ocular Pressure Using Different Segmentation Techniques for Glaucoma Diagnosis	Patil, D.D., Manza, R.R., Ramteke, R.J., Rajput, Y., Harke, S.	Communications in Computer and Information Science	2019	0	1	KBCNMU, Jalgaon
Fuzzy-Based Classification for Fusion of Palmprint and Iris Biometric Traits	Alsubari, A., Lonkhande, P., Ramteke, R.J.	Advances in Intelligent Systems and Computing	2019	0	0	KBCNMU, Jalgaon
Reader System for Transliterate Handwritten Bilingual Documents	Zinjore, R.S., Ramteke, R.J.	Communications in Computer and Information Science	2019	0	0	KBCNMU, Jalgaon
Clustering with polar coordinates system: Exploring possibilities	Patil, Y.S., Joshi, M.R.	Smart Innovation, Systems and Technologies	2019	0	0	KBCNMU, Jalgaon
Relevance feedback mechanism for resolving transcription ambiguity in SMS based literature information system	Pathak, V.M., Joshi, M.R.	Smart Innovation, Systems and Technologies	2019	0	0	KBCNMU, Jalgaon
Material Classification Using Color and Texture Features	Sapkale, S.S., Patil, M.P.	Communications in Computer and Information Science	2019	0	0	KBCNMU, Jalgaon
Challenges Of teachers in Multicultural Society	Dr. Manisha Vinay Indani, NIL, NIL, NIL, NIL	Review of research	2019			KBCNMU, Jalgaon
बहुसांस्कृतिक सोसाइटी में शिक्षा: भारतीय शिक्षक के सामने एक चुनौती	Dr. Manisha Vinay Indani	Review of Research International Online Multidisciplinary Journal	2019			KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Phosphate removal, mechanism, and adsorption properties of Fe-Mn-Zn oxide trimetal alloy nanocomposite fabricated via coprecipitation method	Milind Kondalkar, Umesh Fegade, Sanjay Attarde, Sopan Ingle,	Separation Science & Technology (Taylor & Francis)	2019	1	0	KBCNMU, Jalgaon
Exploration of the adsorption capability by doping Pb@ZnFe ₂ O ₄ nanocomposites (NCs) for decontamination of dye from textile wastewater	Ganesh Jethave, Umesh Fegade, Sanjay Attarde, Sopan Ingle, Meharorang Ghaedi	Heliyon	2019	0	0	KBCNMU, Jalgaon
Application Of Remote Sensing And GIS For Groundwater Potential Zonation: A Case Study Of Girna Watershed, Maharashtra, India.	Rokade, V. M.,	Journal of Geosciences Research	2019			KBCNMU, Jalgaon
Comparative Drainage Morphometric Evaluation Of Lithologically Varied Sub-Watersheds Of Bori-Chikli Watershed, Jalgaon District, Maharashtra.	Rokade, V. M., Shimpi S. S., -	Journal of Indian Water Works Association.	2019			KBCNMU, Jalgaon
Comparison of MBBR and ASP for Treatment of Cardiovascular and AntiEpileptic Bulk Drugs Industry Wastewater	Mahesh S. Pathak, P. R Patil	Journal of Applicable Chemistry	2019			KBCNMU, Jalgaon
The adsorption of hexavalent chromium from wastewater synthesized by aloe vera plant extract via solvothermal route.	Gayatri Joshi, Nilesh Mahale, Sopan Ingle, Sanjay Attarde,	Pollution Research	2019			KBCNMU, Jalgaon
Decontamination study of Organic Pollutants from wastewater for Sustainable Clean Environment	Ganesh Jethave, Umesh Fegade, Sanjay Attarde, Sopan Ingle,	Journal of Water and Environmental Nanotechnology	2019			KBCNMU, Jalgaon
Development of a novel submerged membrane Bioreactor (SMBR) for treatment of textile waste water	Ganpat B. More, Shridhar K Jadhav, S. R. Thorat	International journal of research in advanced technology	2019			KBCNMU, Jalgaon
Evaluation of Ground Water Quality Index of Piedmont Plain of Jalgaon District Using Geo-Informatics Technology	Nitin S. Ghope, Kailas P. Dandge, M. B. Chavan, S. T. Ingle,	International Journal of Research in Advanced Technology	2019			KBCNMU, Jalgaon
GIS Application for Assessment and Mapping of Irrigation Water Quality in Piedmont Plain of Jalgaon District, Maharashtra, India	Nitin S. Ghope, Kailas P. Dandge, Sopan T. Ingle, Vishaishwar M. Rokade,	International Journal of Advanced Remote Sensing and GIS	2019			KBCNMU, Jalgaon
Molasses Based spentwash decolorization by coagulation and flocculation	Hrushikesh Mendole, Prashant Jolhe, Sanjaykumar Patil, Nilesh Wagh, Sopan Ingle	International Research Journal of Engineering and Technology	2019			KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Pre-treatment techniques in Reverse Osmosis Membrane system for well water to improve performance and reduce scale formation	Pratapsinh S Jadhav, Kailas P Dandge, Sanjay Gade	International Journal of Research in Advent Technology	2019			KBCNMU, Jalgaon
Spatial Distribution Analysis of Surface Water Quality Index Using Remote Sensing and GIS : A Case Study of Erandol (Maharashtra , India)	Ganpat B. More, Dandge, K. P., S. R. Thorat	International Journal of Advanced Remote Sensing and GIS	2019			KBCNMU, Jalgaon
Spatial Distribution of Groundwater Qualitative Parameters in lithologically diversified Amb Watershed, Nagpur District, Maharashtra.	Upasani, K. P., Rokade, V. M.	Journal of Geosciences Research	2019			KBCNMU, Jalgaon
Statistical analysis for establishing of Decadaltain all data and variation in GW Level: A case study of PTW1 watershed, Buldhana Distrct of M.S	Rokade, V. M., Naitam S.S	Journal of Research in Advent Techology	2019			KBCNMU, Jalgaon
Treatment Tech. in RO member system for well watch to imprater performance and zedus scale formance	pratap s Jadhav, Kailas P. Dandge, sanjay gade	journal of research in advent Technology	2019			KBCNMU, Jalgaon
‘गांधीवाद आणि मराठी कविता’	Dr. Ashutosh Patil,	Pratishthan	2019			KBCNMU, Jalgaon
भारतीय स्त्रीजीवनाचा चिकित्सक अभ्यास	Prof. M. S. Pagare,	Research Journal	2019			KBCNMU, Jalgaon
The Life & Mission of Mahatma Phule,	PROF.DR.M.S.PA GARE	U ni Researech	2019			KBCNMU, Jalgaon
Process-intensified extraction of phycocyanin followed by β -carotene from Spirulina platensis using ultrasound-assisted extraction	MB Bachchhav, Mohan V. Kulkarni, Arun G. Ingale	Separation Science and Technology	2019	0	0	KBCNMU, Jalgaon
Functional anti-corrosive and anti-bacterial surface coatings based on mercaptosuccinic and thiodipropionic acids and algae oil as renewable feedstock	Patil CK, Jirimali HD, Paradeshi JS, Chaudhari BL, Gite* VV	Reactive and Functional Polymers	2019	1	1	KBCNMU, Jalgaon
Steroidal fraction of Carissa carandas L. inhibits microbial hyaluronidase activity by mixed inhibition mechanism	Patil Sandip, Bhadane Bhushan, Shirsath Leena, Patil Ravindra , Chaudhari* Bhushan	Preparative Biochemistry & Biotechnology	2019	0	0	KBCNMU, Jalgaon
Finding out potent probiotic cultures from ayurvedic formulation Takrarishta through in-vitro probiotic characterization and principal component analysis	Chopade Lalit R, Paradeshi Jayasinh S, Amrutkar Kalpesh P	LWT	2019	1	0	KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Bioprocess optimization of laccase production through solid substrate fermentation using <i>Perenniporia tephropora</i> -L168 and its application in bioremediation of triaryl-methane dye	Patil, N. D, Chopade, L. R, Narkhede*, K. P, Chaudhari, B. L., Mahajan, R. T	Biotechnology Progress	2019	0	0	KBCNMU, Jalgaon
Application of ICTs in Life science courses: Issues and Challenges from Students Perception	Navin Dandi, Bhushan Chaudhari, NA, NA, NA	Slovakian journal from TUKE	2019			KBCNMU, Jalgaon
Inclusion of α amylase inhibitor in processing improves the quality of potato chips.	Sainath S. Kasar, A P Giri, P K Pawar, V. L. Maheshwari,	Food and Bioprocess Technology (Springer)	2019			KBCNMU, Jalgaon
A novel screening method for potential naringinase-producing microorganisms	Patil, S.V., Koli, S.H., Mohite, B.V., Patil, R.P., Patil, R.R., Borase, H.P., Patil, V.S.	Biotechnology and Applied Biochemistry	2019	0	2	KBCNMU, Jalgaon
Production and characterization of multifacet exopolysaccharide from an agricultural isolate, <i>Bacillus subtilis</i>	Mohite, B.V., Koli, S.H., Rajput, J.D., Patil, V.S., Agarwal, T., Patil, S.V.	Biotechnology and Applied Biochemistry	2019	0	0	KBCNMU, Jalgaon
<i>Moina macrocopa</i> as a non-target aquatic organism for assessment of ecotoxicity of silver nanoparticles: Effect of size	Borase, H.P., Patil, S.V., Singhal, R.S.	Chemosphere	2019	0	0	KBCNMU, Jalgaon
Nano-eco toxicity study of gold nanoparticles on aquatic organism <i>Moina macrocopa</i> : As new versatile ecotoxicity testing model	Borase, H.P., Muley, A.B., Patil, S.V., Singhal, R.S.	Environmental Toxicology and Pharmacology	2019	1	1	KBCNMU, Jalgaon
Synthesis of 2-methyl-5-(5-phenyl substituted-1,3,4 oxadiazole-2-yl) quinazolin-4-one fluorescent brightening agent: Computational and experimental comparison of photophysical structure	Patil, V., Padalkar, V.S., Sekar, N., Patil, S.V., Rajput, J.	Journal of Molecular Structure	2019	1	0	KBCNMU, Jalgaon
A Protein α -Amylase Inhibitor from <i>Withania Somnifera</i> and its Role in Overall Quality and Nutritional Value Improvement of Potato Chips during Processing	Kasar, S.S., Giri, A.P., Pawar, P.K., Maheshwari, V.L.	Food and Bioprocess Technology	2019	1	1	KBCNMU, Jalgaon
Protease Inhibitors and Their Applications: An Overview	Marathe, K.R., Patil, R.H., Vishwakarma, K.S., Chaudhari, A.B., Maheshwari, V.L.	Studies in Natural Products Chemistry	2019	0	1	KBCNMU, Jalgaon
Effect of Dietary Probiotic <i>Lactobacillus helveticus</i> on Growth Performance, Antioxidant Levels, and Absorption of Essential Trace Elements in Goldfish (<i>Carassius auratus</i>)	Ahire, J.J., Mokashe, N.U., Chaudhari, B.L.	Probiotics and Antimicrobial Proteins	2019	1	0	KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Pyrrolnitrin from Rhizospheric <i>Serratia marcescens</i> NCIM 5696: Optimization of Process Parameters Using Statistical Tools and Seed-Applied Bioprotectants for <i>Vigna radiata</i> (L.) Against <i>Fusarium oxysporum</i> MTCC 9913	Pawar, S., Chaudhari, A.	Applied Biochemistry and Biotechnology	2019	0	0	KBCNMU, Jalgaon
Microbial pyrrolnitrin: Natural metabolite with immense practical utility	Pawar, S., Chaudhari, A., Prabha, R., Shukla, R., Singh, D.P.	Biomolecules	2019	1	0	KBCNMU, Jalgaon
Zero Divisor Graph of a Lattice and Its Unique Ideal	Deore, R., Tayade, P.	Journal of Mathematics	2019	0	0	KBCNMU, Jalgaon
Sustainable Drug Delivery of Famotidine Using Chitosan-Functionalized Graphene Oxide as Nanocarrier	Koli, SH; Suryawanshi, RK; Mohite, BV; Patil, SV	NATURAL PRODUCT COMMUNICATIONS	2019	0	0	KBCNMU, Jalgaon
Study of Prime Graph of a Ring	Kishor F. Pawar, Sandip S. Joshi,	Thai Journal of Mathematics	2019	0	2	KBCNMU, Jalgaon
A study of fixed points of mappings satisfying E.A like property on dislocated quasi b-metric spaces	P. G. Golhare, C. T. Aage	Applied Mathematics ENotes,	2019	0	0	KBCNMU, Jalgaon
On Characterizations of The Fully Rational Fuzzy Choice Functions	S. S. Desai, S. R. Chaudhari	Iranian Journal of Fuzzy Systems	2019	0	0	KBCNMU, Jalgaon
Dislocated quasi rectangular b-metric spaces and related fixed-point theorems	P. G. Golhare, C. T. Aage	Electronic Journal of Mathematical Analysis and Applications	2019			KBCNMU, Jalgaon
Fixed point theorems satisfy property P in metric spaces	D. R. Nhavi, C. T. Aage	Electronic Journal of Mathematical Analysis and Applications	2019			KBCNMU, Jalgaon
On Radicals for Ternary Semirings	Swapnil P. Wani, Kishor F. Pawar,	International J. Math. Combin	2019			KBCNMU, Jalgaon
Some fixedpoint theorems on dislocated bmetric and dislocated quasi bmetric spaces	P. G. Golhare, C. T. Aage	International Journal of Advances in Mathematics	2019			KBCNMU, Jalgaon
The Prime Graph of a Ring	Kishor Pawar, Sandip Joshi,	International J. Math. Combin	2019			KBCNMU, Jalgaon
Estimation of scale parameter of Morgenstern type Bivariate Generalized uniform distribution by ranked set sampling	Kamalja K.K., Koshti R.D.	Journal of Data Science	2019			KBCNMU, Jalgaon
On regular Γ -semihyperring and idempotent Γ -semihyperring	Kishor F. Pawar, Jitendra J. Patil, Bijan Davvaz	Kyungpook Mathematical Journal	2019	0	2	KBCNMU, Jalgaon
Some results on certain Volterra integral and integrodifferential	H. L. Tidke	International Journal of	2019			KBCNMU, Jalgaon

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functional equations with finite delay		Mathematical Sciences				
Anchoring of gold nanoparticles into aligned TiO ₂ nanotube: Improved supercapacitive performance	Girish P Patil, Shrikant S.Raut, Babasaheb R. Sankapal, Padmakar G Chavan	Nano-Structures & Nano-Objects	2019	0	1	KBCNMU, Jalgaon
Reduced turn-on field through solution processed MoS ₂ nanoflakes anchored MWCNTs	Chandradip D.Jadhav, Swapnil S.Karade, Babasaheb R. Sankapal, Girish P Patil, Padmakar G Chavan	Chemical Physics Letters	2019	1	0	KBCNMU, Jalgaon
A new approach for preparation of ternary bulk-heterojunction using dual-feed ultrasonic spray for organic solar cells	Swapnil Tak, Hemant Tarkas, Gauri Bisen, Sanjay Ghosh, Jaydeep V. Sali	Optical Materials	2019	0	0	KBCNMU, Jalgaon
Role of polyaniline thickness in polymer-zinc oxide based solid state solar cell	Faisal MA Almontaser,, Prashant K BaviskarSutripto Majumder, Babasaheb R Sankapal, Hemant S Tarkas,, Jaydeep V Sali,	Materials Science and Engineering: B	2019	0	0	KBCNMU, Jalgaon
Structural, optical and electrical properties of post annealed K-doped ZnO films for optoelectronics applications	L.M. Mahajan, D.S.Patil	Materials Research Express	2019	0	1	KBCNMU, Jalgaon
XPS study of homemade plasma enhanced atomic layer deposited La ₂ O ₃ /ZrO ₂ bilayer thin films	Patil Vilas,Agrawal Khushabu,Barhate Viral,Patil Sumit ,Mahajan Ashok	Semiconductor science and Technology	2019	0	0	KBCNMU, Jalgaon
Investigation of optical and electrical properties of lithium doped ZnO nano films	L.M. Mahajan, C.K.Kasar, D.S. Patil	Materials Research Express	2019	2	0	KBCNMU, Jalgaon
Influence of Process Variables on Morphology and Field Emission Properties of Aligned 2D Cd(OH) ₂ Nanosheets	Vivekanand S Bagal , Girish P. Patil, Padmakar G. Chavan	J.Nanoele Optoele	2019	0	0	KBCNMU, Jalgaon
Ultra Low Turn-On and Photo-Sensitive Field Emission from CdSe Nanotubes	Girish P Patil, Baviskar, Prashant K, Chavan, Padmakar G., ,	Journal of Nanoelectronics and Optoelectronics,	2019	0	4	KBCNMU, Jalgaon
Reduced turn-on voltage field emission through solution processed MoS ₂ nanoflakes anchored MWCNTs,	Chandradip D. Jadhav, Swapnil S. Karade,, Babasaheb R. Sankapal, Girish P. Patil, Padmakar G. Chavan,,,	Chem. Phys. Letts.	2019			KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Effect of thermal annealing and cooling rate on CBD grown CdS thin films	Raees A. Gani Shaikh, Sagar A. More, Gauri G. Bisen, Sandesh R. Jadkar, Jaydeep V. Sali	Journal of Materials Science: Materials in Electronics	2019			KBCNMU, Jalgaon
Development of atmospheric pressure glow discharge plasma assisted CVD system for the deposition of SiO _x coatings	Pardeshi, H., Patil, P.P., Bange, J.	Journal of Instrumentation	2019	0	0	KBCNMU, Jalgaon
Effect of thermal annealing and cooling rate on CBD grown CdS thin films	Shaikh, R.A.G., More, S.A., Bisen, G.G., Jadkar, S.R., Sali, J.V., Ghosh, S.S.	Journal of Materials Science: Materials in Electronics	2019	0	0	KBCNMU, Jalgaon
Analysis of Encoder and Decoder by using Multiple Valued (MV) Hybrid SETMOS	Chaudhari, J.R., Gautam, D.K.	Silicon	2019	1	0	KBCNMU, Jalgaon
Analysis of Hybrid SETMOS T-Gate using Quaternary Multiple Valued (MV) Logic	Chaudhari, J.R., Gautam, D.K.	Silicon	2019	0	0	KBCNMU, Jalgaon
Cu(OH) ₂ @Cd(OH) ₂ core-shell nanostructure: Synthesis to supercapacitor application	Patil, S.L., Raut, S.S., Sankapal, B.R.	Thin Solid Films	2019	0	0	KBCNMU, Jalgaon
Sensitization of TiO ₂ by chemically deposited Cu ₂ S for solar cell: Effect of deposition time on photoelectrochemical performance	Baviskar, V., Salunkhe, D., Tarkas, H., Wagh, R., Baviskar, P., Patil, R.	Optik	2019	0	0	KBCNMU, Jalgaon
A remarkable enhancement in photocatalytic activity of facilely synthesized Terbium@Zinc oxide nanoparticles by flash combustion route for optoelectronic applications	Shkir, M., Chandekar, K.V., Alshehri, B.M., Khan, A., AlFaify, S., Hamdy, M.S.	Applied Nanoscience (Switzerland)	2019	1	0	KBCNMU, Jalgaon
Acetaldehyde sensing properties using ultrafine CuO nanoparticles	Patil, P., Nakate, U.T., Nakate, Y.T., Ambare, R.C.	Materials Science in Semiconductor Processing	2019	4	0	KBCNMU, Jalgaon
Room temperature LPG sensing properties using spray pyrolysis deposited nano-crystalline CdO thin films	Nakate, U.T., Patil, P., Ghule, B., Nakate, Y.T., Ekar, S., Ambare, R.C., Mane, R.S.	Surfaces and Interfaces	2019	1	1	KBCNMU, Jalgaon
Synthesis, experimental and computational spectroscopic investigations of third-order nonlinear optical material (E)-N'-(benzo[d][1,3]dioxol-5-ylmethylene)benzohydrazide	Uthayakumar, M., Jeyakumari, A.P., Dhandapani, A., Shinde, V., Arivanandhan, M.	Journal of Physics D: Applied Physics	2019	0	2	KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Quantum chemical studies on synthesis, characterization and third order nonlinear optical properties of (E)-2-(benzo[d][1,3]dioxol-5-ylmethylene) hydrazine carboxamide single crystal	Uthaya Kumar, M., Pricilla Jeyakumari, A., Anbalagan, G., Shinde, V., Sriram, S.	Journal of Materials Science: Materials in Electronics	2019	0	0	KBCNMU, Jalgaon
Multi-Objective Optimization of Solid State Fermentation Process	Bagal, VS; Patil, GP; Sharma, M; Chavan, PG	JOURNAL OF NANO ELECTRONICS AND OPTOELECTRONICS	2019	0	0	KBCNMU, Jalgaon
A Study of america iran Relation and its impact on india	Dr. Umesh Ashok Gogadiya	Aayushi International Interdisciplinary Reaserch Journal	2019			KBCNMU, Jalgaon
Changing Trends And Issues Before Indian Politics:Language Conflicts Another Option To Discriminate	Dr. Umesh Ashok Gogadiya	Aayushi International Interdisciplinary Reaserch Journal	2019			KBCNMU, Jalgaon
Generation of sustained release chitosan nanoparticles for delivery of ketorolac tromethamine: a tubular microreactor approach	Jayesh Patil, Rahul Rajput, Pritam Patil, Arun Mujumdar, Jitendra Naik	International Journal of Polymeric Materials and Polymeric Biomaterials	2019	0	7	KBCNMU, Jalgaon
Synthesis, surface active properties and applications of cationic gemini surfactants from triethylenetetramine	Ishwar T. Gawali, G. A. Usmani	Journals of Dispersion Science and Technology	2019	0	0	KBCNMU, Jalgaon
Preparation and characterization of ketorolac tromethamine-loaded ethyl cellulose micro-/nanospheres using different techniques	Pankaj Wagh, Arun Mujumdar, Jitendra Naik	Particulate Science and Technology	2019	5	6	KBCNMU, Jalgaon
Preparation of Efavirenz resinate by spray drying using response surface methodology and its physicochemical characterization for taste masking	Umakant Verma, Arun Mujumdar, Jitendra Naik	Drying Technology	2019	1	1	KBCNMU, Jalgaon
Development of Enriched Yoghurt With Cabbage (Brassica oleraceae L.var capitato) Powder and Its Antimicrobial Property	Ashwini B.Bangar, M.I.Talib, Vishal R.Parate	International Journal of Management, Technology and Engineering	2019			KBCNMU, Jalgaon
Development of Fibre Rich Biscuits from Corn Bran	Vishal Parate, Snehal Kale, M.I. Talib	International Journal of Management, Technology and Engineering	2019			KBCNMU, Jalgaon
Development of Mushroom Cake By Incorporation of Button Mushroom (Agricus Bisporus) Powder	Mohammed I. Talib, Chaitanya S. Rathod, Vishal R. Parate	International Journal of Management, Technology and Engineering	2019			KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Development of the Process for Banana Beer by Innovative Approach with Process Optimization	Vaishali N. Ingale, Vishal R. Parate, Mohammed I. Talib,	International Journal of Management, Technology and Engineering	2019			KBCNMU, Jalgaon
Multi Enzyme Assisted Retention of Vitamins in Fruit Juice Clarification with Indirect Heating	Swapnil V. Deshmukh, Asaram M. Darade, Akshay B. Thange, Amesh V. Pawar, Vishal R. Parate,	International Journal of Management, Technology and Engineering	2019			KBCNMU, Jalgaon
Surface Active Performance & Biological Properties of Monoethanolamine based NonIonic Gemini Surfactants	Ishwar T. Gawali, G. A. Usmani	International Education Journal of Scienvce & Engineering (IEJSE)	2019			KBCNMU, Jalgaon
Isotherm, kinetics and trickling flow studies for removal of chromium from synthetic effluent by using mixed fruit peels (MFP)	Kulkarni, S.J., Goswami, A.K.	International Journal of Innovative Technology and Exploring Engineering	2019	0	5	KBCNMU, Jalgaon
Thermal, mechanical and morphological study of carbon nanotubes-graphene oxide and silver nanoparticles based polyurethane composites	Gedam, S.S., Chaudhary, A.K., Vijayakumar, R.P., Goswami, A.K., Bajad, G.S., Pal, D.	Materials Research Express	2019	0	0	KBCNMU, Jalgaon
Dynamic adsorption of Cd ²⁺ from aqueous solution using biochar of pine-fruit residue	Meshram, P.D., Bhagwat, S.S.	Indian Chemical Engineer	2019	0	0	KBCNMU, Jalgaon
Inclusion of Aceclofenac in Mesoporous Silica Nanoparticles: Drug Release Study and Statistical Optimization of Encapsulation Efficiency by Response Surface Methodology	Patil, L.D., Verma, U., Patil, U.D., Naik, J.B., Narkhede, J.S.	Materials Technology	2019	0	0	KBCNMU, Jalgaon
Optimization of roller burnishing process parameters on surface roughness using response surface methodology	Ulhe, P.N., Patil, U.D., Patil, C.R.	Materials Today: Proceedings	2019	0	0	KBCNMU, Jalgaon
Development of nateglinide loaded graphene oxide-chitosan nanocomposites: Optimization by box behnken design	Deshmukh, R.V., Paraskar, P., Mishra, S., Naik, J.	Micro and Nanosystems	2019	0	0	KBCNMU, Jalgaon
Continuous microchannel precipitation to enhance the solubility of telmisartan with poloxamer 407 using Box-Behnken design approach	Shrimal, P., Jadeja, G., Naik, J., Patel, S.	Journal of Drug Delivery Science and Technology	2019	2	0	KBCNMU, Jalgaon
Development of nanoparticulate sustained release oral drug delivery system for the antihyperglycemic with antihypertensive drug	Khairnar, G., Mokale, V., Mujumdar, A., Naik, J.	Materials Technology	2019	0	0	KBCNMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Production and evaluation of vildagliptin-loaded poly(dl-lactide) and poly(dl-lactide-glycolide) micro-/nanoparticles: Response surface methodology approach	Waghulde, M., Rajput, R., Mujumdar, A., Naik, J.	Drying Technology	2019	1	0	KBCNMMU, Jalgaon
Effect of functionalized multi-walled carbon nanotubes on physico-mechanical properties of silicone rubber nanocomposites	Tamore, M.S., Ratna, D., Mishra, S., Shimpi, N.G.	Journal of Composite Materials	2019	2	2	KBCNMMU, Jalgaon
Enriched mechanical, UV shielding and flame retarding properties of cotton fabric coated with graphite nano platelets filled polyaniline-gum arabic nanocomposites	Bharadiya, P., Mahajan, C., Sharma, A.K., Mishra, S.	Cellulose	2019	0	2	KBCNMMU, Jalgaon
Functionalization, Uptake and Release Studies of Active Molecules Using Halloysite Nanocontainers	Ghodke, S.A., Sonawane, S.H., Bhanvase, B.A., Mishra, S., Joshi, K.S., Potoroko, I.	Journal of The Institution of Engineers (India): Series E	2019	0	1	KBCNMMU, Jalgaon
Graphene oxide-wrapped polyaniline nanorods for supercapacitor applications	Bharadiya, P., Jain, R., Chaudhari, V., Mishra, S.	Polymer Composites	2019	4	0	KBCNMMU, Jalgaon
High-Performance Supercapacitor Electrode of HNO ₃ Doped Polyaniline/Reduced Graphene Oxide Nanocomposites	Jain, R., Sharma, D.K., Mishra, S.	Journal of Electronic Materials	2019	0	0	KBCNMMU, Jalgaon
Influence of Graphene Oxide on Mechanical and Hydrophilic Properties of Epoxy/Banana Fiber Composites	Bharadiya, P.S., Singh, M.K., Mishra, S.	JOM	2019	1	3	KBCNMMU, Jalgaon
Influence of Reduced Graphene Oxide on Epoxy/Carbon Fiber-Reinforced Hybrid Composite: Flexural and Shear Properties under Varying Temperature Conditions	Jenkins, P., Siddique, S., Khan, S., Usman, A., Starost, K., MacPherson, A., Bari, P., Mishra, S., Njuguna, J.	Advanced Engineering Materials	2019	1	0	KBCNMMU, Jalgaon
Investigation of thermal and mechanical properties of styrene-butadiene rubber nanocomposites filled with SiO ₂ -polystyrene core-shell nanoparticles	Khan, M., Mishra, S., Ratna, D., Sonawane, S., Shimpi, N.G.	Journal of Composite Materials	2019	0	0	KBCNMMU, Jalgaon
Synthesis of B doped graphene/polyaniline hybrids for high-performance supercapacitor application	Jain, R., Mehrotra, R., Mishra, S.	Journal of Materials Science: Materials in Electronics	2019	4	0	KBCNMMU, Jalgaon
Direct precipitation of uranium from loaded organic in a microreactor	Sen, N., Ekhande, S., Thakur, P., Singh, K.K., Mukhopadhyay, S., Sirsam, R., Patil, N., Shenoy, K.T.	Separation Science and Technology (Philadelphia)	2019	0	0	KBCNMMU, Jalgaon

Title of the Paper	Name of the author	Title of the journal	Year of Publication	Number of citations in Scopus	Number of citation in web of Science	Institutional affiliation as mentioned in the publication
Synthesis of 4-(2-(sub stituted phenyl) diazenyl)-1-phenylpyrazolidine-3,5-dione catalyzed by L-proline and their biological activity	Mahajan, CR; Joshi, LB; Varma, U; Naik, JB; Chaudhari, VR; Mishra, S	GLOBAL CHALLENGES	2019	0	0	KBCNMU, Jalgaon
