

॥ अंतरी पेटवू ज्ञानज्योत ॥



## Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

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**Perspective Plan  
(2019 - 2024)**



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## Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

Umavinagar, Jalgaon - 425 001 (Maharashtra) INDIA

(formerly North Maharashtra University, Jalgaon)

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**VICE-CHANCELLOR**

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## Five Years Perspective Plan (2019-2024)

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## 1. Executive Summary

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, established on 15th August, 1990 and started academic and administrative functioning from the academic year 1991-92. The jurisdiction of the University is extended over three districts Jalgaon, Dhule and Nandurbar, with 16.04%, 34.88% and 73.06% tribal population, respectively in the Khandesh region.

Out of 215 affiliated colleges and institutes, **01** college is recognized as **College of Excellence**, **05** colleges have been identified as **College with Potential for Excellence** and **01** college has been granted autonomous status by the UGC, New Delhi and Government of Maharashtra. On the university campus, **13** Schools and **01** Institute are imparting education programmes. The University has re-accredited by NAAC with 'A' grade in 3<sup>rd</sup> cycle in 2015.

The Perspective Plan of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon has been developed taking into consideration its geographic location, local resources and needs, and the feedback of the stakeholders. During the period 2019-2024, **74** new colleges will be established, and major attention is given to tribal areas. Also, **04** Night colleges, **05** Women colleges, **32** Skill Development colleges, **08** Social work colleges, **08** Arts & Fine Arts colleges, **02** special B.Ed. colleges, **02** B.Sc. (Fashion Designing) colleges, **02** B.Sc. (Hotel/Hospitality Management) colleges, and **01** Law college are proposed in next five years.

University has planned to establish **01** conducted college at Molagi (Nandurbar). Furthermore, establishment of **01** Model college at Tokartalao (Nandurbar) under RUSA, Government of Maharashtra, is envisioned.

With these initiatives, the university envisages increase in overall GER from **20.86** to **25.67** by 2024. Total 32 new colleges for skill development courses will be introduced with the total number of 35 skill courses in the university. It is also envisaged that, by 2024 every UG, PG program will have at least 01 skill-based component to be introduced through CBCS mechanism. The university will establish tribal research centres, entrepreneurship and incubation centre, and at least 10 incubate will run start-ups by 2024. Furthermore, the university will establish two special centres, namely, Bahinabai Study & Research Centre and Tribal Museum & Research Centre.

The university will enhance its research activities by increasing its publications, citations, Ph.D.s, and in this process the university hopes to be in 50-100 band of NIRF ranking by 2024. The university will generate revenue from analytical services, consultancy and industrial collaborations to the tune of Rs. 25 Lakhs by 2024.

Students welfare activities will be enhanced by increasing Counselling Cells, Training and Placement Cells, Earn and learn Schemes, Competitive Examination Centres etc. University propose to increase courses for mandatory internships/in-plant trainings, for fetching more placements opportunities to students. The university is proposing to increase courses for liberal, fine and performing arts, tourism and hospitality also to broaden the opportunities for rural and tribal students.



## 2. Objectives

### 2.1 Improvement in GER in a given region

Name of district	Current GER in district	Increment targeted by 2024
Jalgaon	24.72	+05
Dhule	19.68	+05
Nandurbar	10.80	+05

### 2.2 Improvement in inclusivity and equity

#### GER (General)

Name of most backward area	Current GER in area	Increment targeted by 2024
Akrani	05	+05
Dharangaon	08	+05

#### GER (Females)

Name of most backward area	Current GER (females)	Increment targeted by 2024
Akrani	05	+05
Akkalkuwa	05	+05

#### GER (SC)

Name of most backward area	Current GER of SC	Increment targeted by 2024
Raver	08	+05
Bhadgaon	09	+05

#### GER (ST)

Name of most backward area	Current GER of ST	Increment targeted by 2024
Akrani	05	+05
Shindkheda	06	+05

#### GER (NT)

Name of most backward area	Current GER of NT	Increment targeted by 2024
Sakri	02	+04
Jamner	03	+04

#### Equity

Initiatives	Current Status	Envisaged by 2024
Number of Equal opportunity cells	54	126
How many departments and colleges have facilities for physically challenged students	180 (only ramps)	215
Number of schemes for special needs of tribal and disadvantaged groups	17	20
Number of students benefitting from scholarships/schemes for economically and socially challenged students	5000	15000
Schemes for special needs of transgender	0	03

## 2.3 Improving quality and delivery of education

### Number of colleges with NAAC accreditation

Number of affiliated colleges	Currently NAAC accredited	NAAC accredited colleges proposed by 2024
215	92	120

### Number of colleges accredited with NAAC 'A' grade

Number of affiliated colleges	Colleges with A grade currently	Proposed by 2024
215	16	40

### Number of technical programmes with NBA accreditation

Number of technical programmes across all affiliated colleges	Current Status	Envisaged by 2024
119	01	10

### Number of technical programmes accredited with Tier I (WA) under NBA

Number of technical programmes across all affiliated colleges	Current Status	Envisaged by 2024
119	00	04

### Academic audit

	Current Status	Envisaged by 2024
University departments/ School	00	13
Affiliated colleges	215	215 +

### Decentralization of university administration

	Current Status	Envisaged by 2024
Satellite Centres	00	03
Sub-campuses	01	04
Autonomous Departments	09	13
Autonomous Colleges	01	03

### Timely declaration of results

	2015	2016	2017	2018	Target for 2024
Non-professional courses	32 days	30 days	30 days	30 days	25 days
Professional courses	30 days	30 days	30 days	27days	25 days

## 2.4 Developing R&D partnership with industry

### Number and type of industries engaged with

Type of Industry	Current Status	Envisaged by 2024
Manufacturing	10	45
Services	01	08
Agro based	06	12
Other	00	07
<b>Total</b>	<b>17</b>	<b>72</b>

### Details of engagement with industry

Type of engagement	Current Status	Envisaged by 2024
Industrial Consultancy	9	34
Technology Transfer	6	8
MoUs/Collaborations	10	22
Number of faculty working on industrial projects	17	24
Number of students working on industrial projects	12	50

### Number of patents/IPRs

IPR	Current Status	Envisaged by 2024
Patents granted	14	10
Patent published	41	21
Copy right	00	05
<b>Total</b>	<b>55</b>	<b>36</b>

## 2.5 Engagement with regional economic development and aspirations

Details of engagement of university with local bodies (Zilla Parishads, Gram Panchayats, etc.) and social programmes in the form of consultancy, third party assessments/M&E of Jalyukt Shivar works, RWS schemes, Unnat Bharat Abhiyan, Unnat Maharashtra Abhiyan, Swachh Bharat, other government schemes, GPDP preparation.

Details	Current Status	Envisaged by 2024
Number of engagements	06	38
Number of faculty involved in	10	112
Number of students involved in	110	7665

Engagement of the university (through R&D investment, support in terms of technical/knowledge/ business solutions) with local community, MSMEs, Self-help-groups, tourism and hospitality and to enhance utilization of local resources (natural/cultural/human)

Details	Current Status	Envisaged by 2024
Number of engagements	00	15
Number of faculty involved in	00	75
Number of students involved in	00	1600

## 2.6 Development of skills and entrepreneurship

### Number of courses offered in skill development and entrepreneurship

Details	Current Status		Envisaged by 2024	
	No. of Units	No. of Courses	No. of Units	No. of Courses
Number of skill courses				
University Departments	01	02	07	20
Affiliated Colleges	09	29	16	44
Entrepreneurship courses				
University Departments	00	00	01	01
Affiliated Colleges	00	00	01	01
<b>Total</b>	<b>10</b>	<b>31</b>	<b>25</b>	<b>66</b>

### Details of mandatory internships/in-plant trainings

		Number of programmes with Mandatory Internship					
Programs		Current Status			Envisaged by 2024		
		< 30 days	30-60 days	> 61 days	< 30 days	30-60 days	> 61 days
Professional	UG	00	01	05	00	05	50
	PG	00	07	11	00	02	20
Non-Professional	UG	00	00	00	00	03	00
	PG	00	00	07	00	55	00

### Details of centres for technology dissemination and incubation/innovation centres

	Current Status	Envisaged by 2024
All University Departments	00	02
All Affiliated Colleges	00	05
Total	00	07

### Placement Cells

	Current Status	Envisaged by 2024
Number of placement cells in the university (includes affiliated colleges)	31	90
Number of students covered by the placement cells	2500	100000
Number of students actually placed	510	20000

## 2.7 Making the university a cultural powerhouse in a region

### Details of courses offered in liberal, fine and performing arts, tourism and hospitality

Details	Current Status	Envisaged by 2024
Fine Art	02	03
Performing Art	06	05
Liberal Art	00	01
Folk Art	00	01
Tourism and Hospitality	00	05
Any other art forms	00	03
Total	08	18

### Details of centres set up for preservation/study/appreciation of local culture/history/art forms

Name of university department/College	Current Status	Envisaged by 2024
Knowledge Resource Centre, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	01	05
Pratap Philosophy Centre, Amalner Sub-Campus of the university	01	01
Total	02	06

### Details of student clubs/groups set up for practice/promotion of local, liberal, fine and performing arts

Name of university department / college	Current Status	Envisaged by 2024
Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	00	05
Affiliated Colleges	00	30
Total	00	35



## 2.8 Focus on students' welfare

Details	Current Status	Envisaged by 2024
Number of career counselling and guidance centres in the university	31	55
Number of students counselled and guided per year	7000	15000
Number of courses conducted per year on life skills and value education	104	425
Number of students covered per year by the courses on life skills and value education	5990	14000
Number of centres for training in competitive examinations	28	107
Number of students covered per year by the centres for training in competitive examinations	4269	10000
Number of 'Learn and Earn' schemes for students	02	05
Number of students benefitting from 'Learn and Earn' schemes	1479	2500

## 2.9 Achieving excellence in sports

Details	2015	2016	2017	2018	Target for 2024
Health, fitness and sports facilities (% satisfaction level)	25	30	35	40	70
No. of students participating at State level competitions (Inter University)	120	120	120	120	250
No. of students participating at National level competitions (Intra University)	452	448	517	525	700
No. of students participating at Asian level competitions	--	--	--	--	05
No. of students participating at Olympic/International level competitions	--	--	--	--	02

## 2.10 Academic leadership in national and global contexts

### University ranking

Ranking and agencies	2015	2016	2017	2018	Target for 2024
NIRF	--	59	100-150	150-200	50-100
Asia University Ranking	--	--	--	--	To be prepared for participation
QS BRICS Ranking	--	--	--	--	
QS Ranking (World)	--	--	--	--	
World University Ranking	--	--	--	--	

### Number of PhDs per year

Faculty	2015	2016	2017	2018	Target for 2024
Science & Technology	59	119	50	119	60
Commerce & Management	6	16	19	26	12
Humanities and Arts	28	52	38	67	30
Interdisciplinary Studies	6	28	11	24	10

## **Key research areas for next five years (2019-24)**

### **Faculty- Science & Technology**

#### **• Water and Environment**

1. Environmental monitoring and impact assessment for Khandesh region.
2. Prediction of local, atmospheric and metrological conditions for Khandesh region.
3. Spatial distribution of Nitrate, Fluoride and Uranium levels in groundwater and water bodies: A case study of Khandesh region

#### **• Sustainable Agriculture**

4. Plant tissue culture (PTC) for local plants of the region
5. Automation in crop disease identification for local farmers
6. Development of Food Products from Banana Tree and Waste.
7. Promotion to cultivate Natural/Local varieties of grains and pulses
8. Scientific storage and preservation of Agricultural Produce

#### **• Innovative Technology**

9. Bio-based Polymers: Self-healing and anti-corrosive coatings
10. Biometabolites
11. Fabrication of Solar Cell Efficiency
12. Green Chemistry

### **Faculty- Commerce & Management**

#### **• Management and Marketing for Khandesh Region**

1. Agro Product Marketing and Management
2. Logistics, Supply Chain Management and E-Commerce
3. Financial Management
4. Investment Management
5. Co-operative Banking
6. NGO Management
7. MSME entrepreneurship

### **Faculty- Humanities**

#### **• Studies in Culture, History and Economics of North Maharashtra**

1. Natural language processing for local languages of North Maharashtra Region
2. Study of scripts, preservation of local dialects and expressive measures for its recognition.
3. Study of literature available in local dialects like Ahirani, Tribal languages and Leva boli
4. Media and its socio-cultural-political effect in North Maharashtra region
5. Analytical study of economical imbalance amongst Urban, Rural and Tribal areas of Jalgaon, Dhule and Nandurbar
6. Study of health and hygiene of tribal adolescent girls and implementation of measures to exterminate the fallacies

### **Faculty- Interdisciplinary Studies**

#### **• Education and Development of Tribal**

1. Preservation of tribal resources and their utilization in education.
2. Development of emotional intelligence for stress free life of tribal students.
3. Sustainable development to empower tribal/rural region of Khandesh

### 3. Rationale and background data

- Satisfaction level for available seats in the faculty of Science & Technology is considerably low in Jalgaon and Dhule districts, while the intake available in Nandurbar district for the faculty of Arts & Humanities and Science & Technology is not adequate. Considering these facts, more courses in Arts & Humanities and Science & Technology faculties are required in the jurisdiction of the university. (*See Annexure I*)
- Average as well as female GER in the Khandesh region is less than the state average. Specifically, in Nandurbar region GER is significantly low. There is substantial need for new colleges in tribal and rural regions. (*See Annexure II*)
- About 45% colleges are NAAC accredited and majority of them are aided colleges. (*See Annexure III*)
- Nandurbar district is having major population under below poverty level, hence large number of people are working in unorganised sectors, and also per capita income is less compared to other districts in the jurisdiction of university. (*See Annexure IV*)
- In major industries, the region has moderate skill in chemical processing, food processing and oil & fat extraction industries. The major skills required are machine operators, textile workers, metal artefacts and products, mouldings, tool making, spare assembling, rewinding and maintenance of machineries. (*see Annexure V*)
- In Micro Small Medium Enterprises (MSME), the region has good skill in chemical processing, food processing, electronics fabrication & soldering and supply chain management. The required skills include carpentry, small machine operations, mill operations, plastic mouldings, etc. (*see Annexure VI*)
- Major agriculture productions are banana, cotton and pulses, but no significant industries are available in the region. (*see Annexure VII*)
- No industry in the field of craft, local products are available, and the closure of handloom units is the fact. (*see Annexure VIII*)
- Major agriculture products are banana, cotton and pulses. Also, there are ample tourist spots available, there are no significant minerals except sand and low lime soil. Hence there is scope for banana and cotton products, their waste for meaningful utilisation to develop useful local products and also scope for Tourism & Hospitality industry development in the region. (*see Annexure IX*)
- Lack of Art related industries, so not much scope for Art related courses in Khandesh. (*See Annexure X*)
- Feedback of 10 stakeholders has been taken into account while preparing the Perspective Plan. The students feedback emphasises on more requirement of skill-based courses, need of hostels and competitive examination guidance. The teachers feedback stresses on new colleges and technical courses in the rural and tribal areas, women's colleges, R & D facilities, etc. Parents request is to start more technical and job-oriented courses and inclusion of ethics & values in curriculum. The expectation of non-teaching staff is training, industrial visits and workshops for students. The feedback from other stakeholders like Senate Members, Vice-Chancellors, Pro Vice-Chancellors, Registrars, Industrialists etc. is also well-thought-out. (*See Annexure XI*)

## 4. Proposed action plan

### Year 1

New **15** Arts, Commerce, Science & Management colleges, 01 Women's college, 01 Night college, 03 Social Work colleges, 03 Arts and Fine Art colleges, 07 Skill Development colleges, 01 Law College, 01 Nursing college and 40 additional divisions. University has planned to establish 01 conducted college at Molagi (Nandurbar). Furthermore, the establishment of 01 Model college at Tokartalao (Nandurbar) under RUSA, Government of Maharashtra, is envisioned.

### Year 2

New **14** Arts, Commerce, Science & Management colleges, 01 Women's colleges, 01 Night college, 01 Social Work colleges, 02 Arts and Fine Art colleges, 07 Skill Development colleges and 40 additional divisions.

### Year 3

New **15** Arts, Commerce, Science & Management colleges, 01 Women's colleges, 01 Night college, 02 Social Work colleges, 01 Arts and Fine Art colleges, 06 Skill Development colleges and 41 additional divisions.

### Year 4

New **15** Arts, Commerce, Science & Management colleges, 01 Women's colleges, 01 Night college, 01 Social Work college, 01 Arts and Fine Art colleges, 06 Skill Development colleges and 41 additional divisions.

### Year 5

New **15** Arts, Commerce, Science & Management colleges, 01 Women's colleges, 01 Social Work college, 01 Arts and Fine Art colleges, 06 Skill Development colleges, 01 Nursing college, 01 Law college and 41 additional divisions.

- ❖ Every year 03 new conventional courses will be started in the faculties of Science & Technology, Commerce & Management, Humanities and Interdisciplinary Studies.
- ❖ Every year 05 new skill-based B.Voc. Courses and 02 new Certificate Courses will be started at different affiliated colleges.
- ❖ Each UG and PG courses will have at least 10 % skill components in their curriculum.
- ❖ Every year 25 colleges would be NAAC accredited and attempts will be made to achieve 'A' grade for minimum 5 colleges.
- ❖ The university teachers are oriented to increase quality research papers by publishing minimum 10 % more papers each year.
- ❖ Every year university would file at least 2 patents.
- ❖ University buildings will be furnished with water harvesting to recharge the ground water in its sump well, bore well and wells to have self-sufficiency in water requirement by 2020.
- ❖ The university will have its Incubation Centre by 2019-20 and Science Park would be established by 2024.
- ❖ Construction of hostels under Dr. Punjabrao Deshmukh Hostels Scheme for Economically backward students.
  - a. The hostels of 150 each for boys and girls will be constructed at university campus to meet the accommodation need of economically backward students.
  - b. Similarly, hostels of 150 each for boys and girls will be constructed at tribal academy centre of university located at Nandurbar, which will help to cater the needs of tribal and economically backward students from Nandurbar and Dhule districts.



## 5. Strategies and modes of implementation

### 5.1 New locations

District wise new colleges and additional divisions are shown in *Annexure 12*. This includes 73 Arts, Commerce, Science & Management colleges, 05 Women's colleges, 04 Night colleges, 03 Social Work colleges, 08 Arts and Fine Art colleges, 32 Skill Development colleges, 01 Nursing College and 01 Law College.

### 5.2 Equity

**Equal Opportunity Cells:** Currently, **01** university department and **53** colleges have equal opportunity cells. It is proposed to add 02 equal opportunity cells in university departments and **124** in affiliated colleges.

**Facilities for physically challenged students:** Currently **00** departments and **00** colleges have full facilities. **21** departments and **159** colleges have partial facilities such as ramps, lift etc. By 2024, it is proposed to consolidate the facilities in these departments/colleges, and have additional **21** departments and **215** colleges equipped with relevant facilities.

**Schemes for special needs of tribal and disadvantaged groups:** Currently the schemes are, (1) Admission on zero fee basis (Nil balance), (2) Cash Prize, (3) Poor student aid, (4) Earn and Learn scheme, (5) Concessional passes for city bus., (6) Health insurance scheme., (7) Book Bank Scheme., (8) Centre for counselling and mentoring for tribal students (UGC sponsored) , (9) Siddharth and Adivasi Chattra Mandal., (10) Competitive examination and career guidance, (11) Free Books, (12) Free Hostel, (13) Free uniform, (14) Dattak Yojana, (15) Special coaching classes arranged for special tribal and disadvantaged groups., (16) SSSS (Shram Sadhana Scholarship Scheme), (17) Exam Fees from college fund for poor and needy students. By 2024, the university will add the following schemes (1) Mentorship programme to increase employability (2) Concessional Lunch for needy students (3) Home town travelling allowance concession.

**Students benefitting from scholarships/schemes for economically and socially challenged students:** Currently **5,000** students are benefiting from scholarships/schemes for economically and socially challenged students. It is proposed to increase beneficiaries up to 1,50,000 by 2024.

**Schemes for special needs of transgender:** Currently no schemes at present. By 2024, the university will add schemes such as, (1) Free admission (2) Free Books (3) Mentorship programme for integration.

### 5.3 New courses

Total **15** new conventional courses are proposed, along with **25** new skill-based B.Voc. courses, and **10** new skill-based Certificate courses. (*See Annexure 13*)

### 5.4 Modification/revision of the existing courses to make them orient to the objectives

All UG courses will have at least one skill component, which will be incorporated with CBCS by 2024, and all PG courses will have at least one skill component, thus skill-based courses will be aligned to the needs of local region.

Appropriate skills will be introduced through private skill providers. University departments and selected affiliated colleges will get recognition as Vocational Training Institutes (VTI) under Skill Ministry of Government of Maharashtra.

### **5.5 Implementation of Choice Based Credit System (CBCS)**

The CBCS has been successfully implemented for PG courses in the university campus since 2013. Now, CBCS pattern as per UGC norms has been implemented at UG courses (Arts, Commerce and Science) from 2018-19.

The courses under CBCS will be identified as per the local job market needs, and skill requirement as per the natural resources, cultivation, preservation and processing for by-products.

The step by step implementation for UG graduate courses is decided and accordingly the BOS are directed. Also, the remaining UG/PG programs would be having CBCS pattern in next 3 years, when the first batch of UG under CBCS pattern will be passed out.

### **5.6 Train the trainers**

University has signed MoU of Capacity Building Transnational Co-operation Project, Erasmus + CABCIN. The Objective of the programme is “Establishment of Capacity Buildings Centres as a sustainable solution to raise the standards of teaching staff in Indian HEI’s (CABCIN). It includes cooperation between HEIs and increasing internationalization. This Project gives a chance to build strong relations with European program to strengthen the capacity and quality of teaching at partner HEIs in India by the establishment of educational centres.

The foreign universities under this project are Wroclaw University of Science & Technology, Poland; Technical University of Košice, Slovakia; Universidade Nova de Lisboa, Portugal; Gent University, Belgium and Frederick University, Cyprus. And the Indian universities are Parul University, Vadodara; Amity University, Haryana; RK University, Rajkot; SAL Institute of Technology & Engineering Research, Ahmedabad and KBC North Maharashtra University, Jalgaon. (the only State Govt. University Participated for Program).

To date 6 workshops were organised under CABCIN for identified teachers from, university campus as trainers, and two workshops for 30 teachers has been conducted by these trained trainers and the program will be continued now.

In future, this activity will train more teachers from university and affiliated colleges and hence definitely it will achieve the objective of being skilled manpower for the region.

The university has a plan to establish Capacity Building Centre for teachers’ training and the process had been initiated.

### **5.7 Developing appropriate R&D culture**

R&D areas identified for the period 2019-2024 are Agro-based Technologies, Industry based custom problem solving, Sustainable Energy related research, Environmental Impact assessment, Polymer Research, and Study and preservation of local and tribal dialects.

University wants to focus on use and applications of the locally available resource in the Khandesh region. Khandesh is known to produce almost 25 % of the banana of India and has much of the banana waste is available for disposal. Hence, banana agro-waste can be used for value addition in appropriate ways, which has potential to generate meaningful products and resources, and to generate employments as well. Environmental impact assessment has become the need of the time and has been the essential part of the companies to run and hence, is a

good area of research and even to fetch revenue for the university. The identified research areas are based on the requirements of the local industry and also on utilization local resources.

University has already initiated dialogue with a group of industrialists and held a few meetings with them. Some of the problems from industries have already been put forth to the university and solution would be carved out for it. The university has already established University Entrepreneurship Cell for effective research and meaningful outcome. The actions will be carried for developing appropriate R&D culture through incentivising faculty, profile sharing sensitisation, students' motivation/interest and small fellowships for students as incentive.

## 5.8 Strengthening linkages with industries

**Current linkages with university are as follows:**

**School of Life Sciences:** Currently engaged with the industries namely Prathishta Bio-tech, Hyderabad; Papen Purification, United Starch & Allied Ltd., Dondaicha; Microdextrin Production, Prathishta Biotech, Hyderabad; Biofertilizer for local farmers, Sandoz Ltd., Mahad, New Mumbai; Biotransformation of anti-biotics; Biopesticide processing & formulation for product/technology development/transfer; Jain Irrigations Systems Ltd. UPL Ltd., Gareware Polyesters Ltd. for consultancy. Number of faculty and students engaged in industrial research are 04 and 03 respectively. By 2024, the Department will develop partnership with industries pertaining to Bio-pesticides; Bio-Fertilizers, Pro-Biotic, Bio-degradable polymer, Milk products, etc. (for product/technology development/transfer) and Meat products, Micro-nutrients, Microbial analysis, Pharma industries etc. for consultancy.

**School of Chemical Sciences:** Currently engaged with Power Additives Pvt. Ltd., Stabplast Chemo, Maldip Catalyst Pvt. Ltd., Npack PVC Systems, Success Solutions for consultancy. Number of faculty and students engaged in industrial research are 03 and 04 respectively. By 2024, the Department will develop partnership with industries of Polymer Stabilizers, Polyurethane products, Pesticides, etc. (for product/technology development/transfer) and PVC additives, Coatings, Control release formulations etc. for consultancy.

**Institute of Chemical Technology:** Currently engaged with Godraj Industries Ltd. for consultancy. Number of faculty and students engaged in industrial research are 03 and 02 respectively. By 2024, the Department will develop partnership with industries Chemical engineering, Vegetable Oil, Paints, Plastics, etc. for product/technology development/transfer and Plastic analysis, Surface Morphological analysis, Pharmaceuticals, etc. for consultancy.

**School of Physical Sciences:** Currently the number of faculty and students engaged in industrial research are 02 each. By 2024, the Department will develop partnership with industries Solar energy harvesting, LED industries, Sensors, etc. for product/technology development/transfer and Analysis of Nano particles. Digital Electronics, etc. for consultancy.

**School of Environmental Sciences:** Currently engaged with M/s Datta Agro for consultancy with involvement of faculty (03) and students (02). By 2024, the Department will develop partnership with industries of Waste Management technology for product/technology development/transfer and Environmental Impact assessment, Noise Analysis, Analysis of water, etc. for consultancy.

**Affiliated Colleges:** Currently the affiliated colleges have no industry connect. The university will motivate and support the professional, science and commerce colleges to establish collaborations with industries, so that by 2024, at least 05 colleges will have linkages with industries for consultancy and services.

## Details of the Patents/IPRs

**School of Life Sciences:** The school is having currently 07 patents granted, and 14 patents are published. By 2024, it is envisaged that, 04 patents will be granted from 06 published patents.

**School of Chemical Sciences:** The School of Chemical Sciences is having currently 01 granted patent, and 05 are published. By 2024, it is envisaged that, 02 patents will be granted out of 03 published patents.

**Institute of Chemical Technology:** The UICT, has currently 05 granted patents, and 17 patents are published. By 2024, it is envisaged that, 02 patents will be granted from published 05 patents.

**School of Physical Sciences:** The School of Physical Sciences has 03 published patents. By 2024, it is envisaged that, 01 patents will be granted from published 03 patents.

**School of Environmental Sciences:** There is no patent so far. By 2024, it is envisaged that 01 patent will be granted, and 02 patents will be published.

## 5.9 Engagement with regional economic development and aspirations

### 5.9.1 Engagement with local bodies and governmental schemes

**School of Environmental Sciences:** Currently engaged with (1) Total Sanitary Campaign: Evaluation of villages from Jalgaon, Dhule, Nandurbar and Nashik for 'Nirmal Gram Puraskar, (2) Rajiv Gandhi Drinking Water Mission: Training to Officials, Anganwadi Sevika, and Primary Teachers from Village Panchayats, (3) Social Impact Assessment of Lower Tapi Dam, Padalsare, Amalner, (4) Social Impact Assessment of Akkalpada Dam, Dhule, (5) Social Impact Assessment of Mangarul Dam with **05** faculty and **35** students working on these schemes. During 2019-2024, the department will add the following schemes, (1) Environmental assessment (2) Green solutions, (3) Green Audit etc. with enhanced participation of faculty **07** and students **90**.

**School of Chemical Sciences:** Currently engaged with Krishi Vidyan Yatra at tribal areas with **05** faculty and **75** students working on these schemes. During 2019-2024, the department will add the following schemes, (1) Environmental assessment (2) Green solutions (3) Safer pesticides and applications, etc. with enhanced participation of faculty **05** and students **75**.

**Affiliated colleges:** Currently there are no engagements with Local Bodies, Government Schemes etc. During 2019-2024, the affiliated colleges will be sensitized and motivated to participate in the following schemes, (1) Jalyukt Shivar works, (2) RWS schemes, (3) Unnat Bharat Abhiyan, (4) Unnat Maharashtra Abhiyan, (5) Swachh Bharat, (6) GPDP preparation etc. with enhanced participation of **100** faculty and **7,500** students.

### 5.9.2 Engagement through R&D investment, MSMEs, SHGs etc.

**University Departments:** Currently there are no engagements through R&D investments, support in terms of technical/knowledge/business solutions with local community, MSMEs, SHGs etc. The engagements envisaged during 2019-2024 will be Skill based courses B.Voc. with engagement of (1) MSMEs, (2) Tourism and Hospitality, (3) Natural Medicinal Resources Cultivation & Preservation and (4) Motivation for Start-ups in Incubation centre with participation of 25 faculty and 100 students.

**Affiliated colleges:** Currently there are no engagements through R&D investments etc. The engagements during 2019-2024 will be Skill based courses B.Voc. with engagement of (1)



MSMEs, (2) Tourism and Hospitality, (3) Natural Medicinal Resources Cultivation & Preservation (4) Knowledge input to Self-Help Groups (5) Techniques and Management of solid waste in the city/village, (6) enhancing tourism etc. with participation of 50 faculty and 1500 students.

## 5.10 Development of skills and entrepreneurship

**Skill/Entrepreneurship courses:** University will add 35 new skill/entrepreneurship courses (see Annexure 13). Currently offered courses numbering 31 in skill/entrepreneurship are given in Annexure 14. Thus, the university will have total of 66 skill/entrepreneurship courses by 2024. The newly proposed skill courses are expected to cater to the local needs of the region.

**Details of mandatory internships/in-plant trainings:** Currently all professional UG/PG courses have mandatory internships. It is proposed to include mandatory internship of 1 month in all 55 PG Courses (Humanities/Science/Interdisciplinary) in the University departments and affiliated colleges. It is also proposed to include mandatory internship/field work (2-4 weeks) in B.A./B.Com./B.Sc. courses in the affiliated colleges.

**Details of Centres for Technology Dissemination and Incubation/Innovation Centres:** Currently no such centres exist in the university and affiliated colleges. University has started incubation centre informally on the campus. A proposal for formalization of this centre is submitted to Government of Maharashtra. In order, to promote tribal products, an incubation centre is proposed at the Tribal Academy, Nandurbar (Sub-Centre of University). University will encourage, and support 05 NAAC accredited 'A+' grade colleges to establish Incubation/Innovation Centres.

**Placement Cells:** There are 31 active Placement Cells, out of which 01 is Central Training & Placement Cell (CTPC) of the university and 30 from affiliated colleges. There are 2500 student beneficiaries of placement cell in coordination with CTPC and 510 are actually placed. By 2024, 90 Placement cells will be active with the efforts of CTPC of the university, which will result in increase of student beneficiaries up to 1,00,000 and expected actual placements are 20,000.

## 5.11 Making the university a cultural power house in the region

The University has been striving to be a cultural centre in Khandesh region. In the area of fine/performing art, the university conducts 8 courses of which 4 courses each are on the campus and affiliated colleges (see Annexure 15A). For the period 2019-2024, the university has proposed 08 colleges of fine arts.

Currently the university has 02 cultural centres, Knowledge Resource Centre for digitization of old manuscripts on the campus and Pratap Philosophy Centre at Amalner. It is proposed to establish 04 new centres, namely, (1) Bhaskaracharya Ganit Nagari, Patanadevi, Chalisgaon (2) Tribal Museum and Research Centre, Tribal Academy, Nandurbar (3) Bahinabai study and Research Centre, University Campus (4) Diagnostic Natural Medicines Centre by tribal, Nandurbar. The details are given in Annexure 15B.

The university plans to establish a Kala Academy to promote the cultural, liberal, fine and performing art activities. The university will have MoU with Rajwade Foundation, Dhule; Kalamaharshi Keki Moos Art Gallery, Chalisgaon for establishment of 'Kala Dalan'. Arts Circles will be established for appreciation and study of culture, history and art forms. A Literary Forum of University is proposed for interaction of eminent local persons in the field of literature and art.

### 5.12 Focus on student welfare

The university and affiliated colleges have total 31 Career Counselling and Guidance Cells. By 2024, it envisaged that 55 NAAC A & B grade colleges would be encouraged for establishment of active Career Counselling and Guidance Cells. Hence, there will be enhancement in number of student beneficiaries from 7,000 to 15,000.

Total 104 colleges have courses on Life Skills and Value Education like Non-violence, Effective Communication, Interview Techniques, GST, Awareness of Moral and Ethical Values, Yoga & Meditation, Health & Hygiene, Human Rights Education etc. and 5990 students are benefitted. By 2024, it is envisaged that, 425 such Life Skills and Value Education courses will be designed and sensitised among colleges to promote these courses for overall development of 14,000 students.

There are 28 Centres for training in Competitive Examination including 01 at the University, total student beneficiaries are 4,269. By 2024, it has been envisaged that, 107 such centres would be established at all the NAAC accredited and Professional Colleges to increase student beneficiaries to 10,385.

University is having Quick Heal Foundation's 'Earn & Learn Scheme' and an affiliated college is with their own such scheme, hence 02 schemes are present currently from which total 1,479 students are benefitted. By 2024, it is envisaged to frame 05 new conceptual Earn & Learn Schemes with financial support under CSR of the companies and 2,500 beneficiaries.

### 5.13 Achieving excellence in sports

The students of the university and affiliated colleges have excelled in games/sports such as Chess, Malkhamb, Taeakwondo, Weight Lifting and Floorball in inter-university games at state and national levels. Specific achievements include **Gold Medals** in Malkhamb (Men) Team event (2016) and Weight Lifting (M) (2018), **Silver medal** in Weight Lifting (M) (2017) and **Bronze medals** in Chess (Men) Team Event (2015), Malkhamb (Men) Team event (2015 & 2018), Taeakwondo (M) (2016), Weight Lifting (M) (2016 & 2017), Malkhamb (Men) Team event and Floorball (Men) Team event (2018).

The university is in process of MoU with Elite Universal Sports Alliance India Private Limited (EUSAI), Pune.

### 5.14 Development of key research areas which bring national/international visibility

Key research areas have been identified based on the needs to the region under the jurisdiction of the university and taking into account the growth potential of the areas in the next five years. The areas identified are Water and Environment, Sustainable Agriculture, Innovative Technology, Management and Marketing for Khandesh region, Studies in Culture, History and Economics of North Maharashtra, and Education and Development of Tribal. These areas will be developed with integrated R&D across all departments of the university. It is also proposed to involve faculty members of the affiliated colleges in research, centred around these areas.

## **5.15 Strengthening linkages with international/national/state level institutes/agencies**

### **5.15.1: International Universities/Institutes University**

The University has active Linkages with the followings pertains to teaching, research and faculty & students exchange.

- Thibault of University of California, Santa Barbara, USA
- Bio Informatics Centre, Institute of Chemical Research, Kyoto University, Uji Campus, Kyoto, Japan
- Engineering & Physical Sciences Research Council, St. Andrews, Ireland.
- Wroclaw University of Technology, Wroclaw, Poland
- Bourns College of Engineering, University of California
- Centro de Ensenada Technical Superior (CETYS University)

### **5.15.2: National Universities/Institutes**

The University has active National Linkages with the followings institutes.

- CSIR-National Environmental Engineering Research Institute, Nagpur
- Jain Irrigation System Ltd., Jalgaon
- Institute of Chemical Technology (ICT), Mumbai
- Rajiv Gandhi Science & Technology Commission (RGSTC), Mumbai
- Visvesvaraya National Institute of Technology, (VNIT), Nagpur
- Heubach Color Pvt. Ltd., Mumbai
- Nirmal Seeds Pvt. Ltd., Pachora
- Elite Football League India Pvt. Ltd., Pune

### **5.15.3 RUSA**

The University has received grants Rs. 15 crores for infrastructural development like construction of hostels, toilet blocks, ICT and Wi-Fi infrastructure, renovation of laboratories, sports infrastructure and one innovative research projects. The university has submitted the IDP proposal to RUSA, Mumbai for future overall development.

### **5.15.4 TEQIP**

The University Institute of Chemical Technology has received Rs. 17 crores in two phases for Research and Development, Faculty development, Infrastructure, ICT resources, Books and Journals and Fellowships etc. The TEQIP will be continued further to strengthen the basic research facilities at the university.

### **5.15.5 RGSTC**

Establishment of CILLAGE program of RGSTC, Mumbai is initiated to uplift the tribal people, which will help to improve GER in Nandurbar region.

### **5.15.6 UGC/AICTE**

Major and minor research projects by individual faculty and collaborative projects with National universities/institutes and R & D centres.

### **5.15.7 DST/DBT/.....**

Major and minor research projects by individual faculty and collaborative projects with National universities/institutes and R & D centres.

## **5.16 Reforms in academic administration**

### **5.16.1 e-governance**

Most of the administrative procedures are computerised and executed in online manner, university is under development of implementation of 100% e-governance in administration.

### **5.16.2 Linkages of various departments. BOS, Academic Council and Affiliated colleges**

The university is having linkages with various academic authorities as well as sections of the university as per MU Act 1994, and in process of reformation in linkages as per Maharashtra Public Universities Act 2016.

### **5.16.3 Digital Initiatives: Use of Swayam, NDL etc**

The SWAYAM coordinators at college level are nominated, and the process of registration in NDL is initiated. Other digital initiatives will be implemented as per the plan decided at university.

### **5.16.4 Uploading awards in NAD, CDSL, NSDL**

To date 3,07,357 Degree Certificates from 1994 are uploaded. The schedule for NAD registrations of students is prepared and will be executed in the month of September 2018.

### **5.16.5 Academic audit**

The second cycle of Academic Audit is scheduled this year for the affiliated colleges. Also, University Schools will be audited this year as per the schedule (Committees are already constituted for this purpose).

### **5.16.6 Sub-Centres and Autonomy to departments and colleges**

University has three sub-centres; Ekalavya Training Centre at Nandurbar, Gandhi Philosophy Centre at Dhule and Pratap Philosophy Centre at Amalner. These sub-centres are proposed to be developed as full-fledged sub-centres by establishing vocational courses.

University PG departments and UICT have been given academic flexibility. It is proposed to grant autonomy to all NAAC A grade colleges by 2024. Also, the NAAC A+ grade colleges will be encouraged to establish satellite centres as per the need analysis.

### **5.16.7 Keeping track of students going for higher studies**

University will keep track of online portal for students going for higher studies.

### **5.16.8 Keeping track of Alumni and strengthening Alumni Association**

The university portal will have sub portal for Central Alumni Association of the university.

### **5.16.9 Exam Reforms**

- 95% Recommendations of Rajesh Agrawal Committee are implemented.
- Onscreen evaluation of more than 5 Lakh answer book.

### **5.16.10 Smart Campus: Saving water/energy, generating energy, managing waste**

University is having internet facility, solar panels and LED lamps for hostels, departments and in campus. RO clean water plant is installed at Campus. The roof top solar power system will be established at all school's step by step in the university campus, with the support of M/s Jain Irrigations Systems Ltd., Jalgaon on BOT basis. In this scheme, after establishment of such unit at schools one by one, the concessional electrical bill be paid to the collaborating industry for 5 years and then system will be handed over to university.

### **5.16.11 Reforms in financial management**

The 100% payments would be made through online payment gateway, and a strategy will be developed for 100% receipts through online mode.



## 6. Deliverables

### Deliverables based on objectives from section 2

#### 2.1 Improvement in GER in a given region

- ✓ Every year, about 15 new colleges will be started and averagely 40 additional divisions will be recommended.
- ✓ Overall GER is predicted to be increased from 18.40 to 23.00.
- ✓ Specifically, the GER of tribal women is also predicted to be increased by 5 points.

#### 2.2 Improvement in inclusivity and equity

- ✓ Facilities for physically challenged students in all affiliated colleges will be increased.
- ✓ Total 20 schemes for special needs of tribal and disadvantage group will be initiated.
- ✓ There will be increase number of student beneficiaries upto 15,000 by introducing new schemes.
- ✓ 05 New Colleges for Women will be started.
- ✓ 126 Equal opportunity cells in the jurisdiction will be established.

#### 2.3 Improving quality and delivery of education

- ✓ 100% NAAC accreditation of all eligible colleges will be attempted.
- ✓ 50 Colleges with 'A' grade by 2024 is the goal of university.
- ✓ Completion of second cycle of academic audit of 215+ affiliated colleges is also another goal of university.
- ✓ 03 Sub-campus will be established.
- ✓ Autonomy will be granted to 05 colleges and remaining university departments.
- ✓ 03 Satellite centres of affiliated colleges will be started.

#### 2.4 Developing R&D partnership with industry

- ✓ Partnership of University and Colleges with 72 industries will be attempted, which results in the engagement of 24 faculty members and 50 students.
- ✓ Revenue generation Rs. 25 lakhs through analytical services, consultancy and industrial collaborations will be envisaged.
- ✓ 20% Increase in job opportunities for students is the objective of the university.
- ✓ 10 Graduated incubate will be granted.
- ✓ 36 Patents/copyrights will be filed.

#### 2.5 Engagement with regional economic development and aspirations

- ✓ Participation of 100 % UG and PG student through compulsory internships/field work in regional economic development will be goal of the university.
- ✓ 100 Teachers from Colleges with various Government Social Programs will be engaged.
- ✓ 1,600 Students participation with 75 faculty members in terms of technical/knowledge/services to local communities/MSMEs/SHGs.

#### 2.6 Development of skills and entrepreneurship

- ✓ 25 Skill based B.Voc. courses including entrepreneurship courses and 10 skill certificate courses will be added.
- ✓ At least one skill component for UG and PG programs under CBCS will be made compulsory.
- ✓ Development of Start-up culture and 10 entrepreneurs will be achieved.
- ✓ 1,00,000 student beneficiaries of Central Training Placement Cell in association with College Placement cells is the goal.
- ✓ 100 % mandatory internship program for UG and PG students.

## **2.7 Making the university a cultural powerhouse in a region**

- ✓ Bahinabai study and Research Centre will be established.
- ✓ Tribal Museum and Research Centre will be established.
- ✓ Bhaskaracharya Ganit Nagari will be established.
- ✓ Diagnostic Natural Medicines Centre by tribal will be established.
- ✓ MoUs with Kalamaharshi Keki Moos Art Gallery, Rajwade Foundation will be signed for preservation, appreciation of documents.

## **2.8 Focus on student welfare**

- ✓ 50 Career counselling and guiding centres will be added.
- ✓ 100 Competitive Examination Centres will be added.
- ✓ Increment in life skills and value education courses to 425.
- ✓ New 05 schemes under 'Earn and Learn' will be initiated.

## **2.9 Achieving excellence in sports**

- ✓ Student's participation in Sports at National/International events will be increased.

## **2.10 Academic leadership in national and global contexts**

- ✓ NIRF ranking in the band of 50-100 will be achieved.
- ✓ Preparation for ranking at Asia and World level, the university will be prepared for participation.

## 7. Suggestions to help implement the plan

Issues/Problems	Suggestions
Low GER ratio in backward hilly areas. Lack of technical and professional colleges at Nandurbar districts.	The State Government shall start granted professional and technical colleges in such regions. Because in this region, most of families are under Below Poverty Line.
NAAC & NBA accreditation colleges have low numbers.	The State Government shall made special efforts for filling-up of vacant and adequate new teaching posts to improve student-teacher ratio. Government shall make compulsion to all colleges for accreditation process.
Low numbers of placement cell	Course wise ONLINE Employability skill test should be conducted by MHRD, to aware the students about skills and employment.
Low number of liberal, fine and performing arts, courses.	New proposal covers the courses to be started at various locations in the jurisdiction.
Low Achieving Excellence in sports at National and International level	The State Government shall give special financial support and facilities for colleges in rural and tribal areas and sports facilities.
Low number of patents /IPRs	The State Government and university shall give financial assistance to faculties for research patent filling and fellowships for research students.
Low number of Academic Leadership in national and global ranking.	The State Government and university shall facilitate for getting higher ranking and provide international linkages for enhancing corporate culture in higher education.
Low number of research labs and incubation centres at college level.	The State Government shall give special assistance for research laboratories and incubation centres at colleges.

## 8. Approvals

The perspective plan of five years of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon has been prepared by the Board of Deans and the Committee constituted by Hon'ble Vice-Chancellor, and is approved by Hon'ble Vice-Chancellor on behalf of Board of Deans, Academic Council, Senate and Management Council of the University, to submit it to the Director, Higher Education and Government of Maharashtra.

Date: 05/09/2018

(Prof. P. P. Mahulikar)  
Pro-Vice Chancellor  
Kavayitri Bahinabai Chaudhari  
North Maharashtra University, Jalgaon

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## Annexure 1

### Enrolment of students in university/colleges after passing 12<sup>th</sup> standard (Taluka level statistics)

JALGAON	12th Pass out Students									Grand Total (12 pass out) (A+B+C+D)	FY Humanities			FY Com & Mgmt			FY Sci & Tech			FY Interdisciplinary			Grand total Students Admitted in the University (E+F+G+H)	Students not admitted in the University (T1 - T2)
Taluka	12th Arts (A)		12th Commerce (B)		12th Science (C)		12th Vocational (D)		Intake		Admitted (E)		Intake	Admitted (F)		Intake	Admitted (G)		Intake	Admitted (H)				
	M	F	M	F	M	F	M	F			M/F	M	F	M/F	M	F	M/F	M	F	M/F	M	F		
Amalner	1125	883	79	158	1061	541	67	1	3915	1124	672	429	540	161	197	504	264	238	100	34	54	2049	1866	
Bhadgaon	1029	719	0	0	541	390	75	17	2771	340	137	127	100	55	19	144	57	86	0	0	0	481	2290	
Bhusawal	745	563	363	475	1211	831	206	42	4436	1320	483	299	1308	243	352	886	281	370	50	5	45	2078	2358	
Bodwad	179	213	99	100	123	99	0	0	813	243	110	131	220	86	76	120	51	59	0	0	0	513	300	
Chalisgaon	1464	1000	116	132	999	591	101	12	4415	1161	592	400	440	143	207	644	264	330	150	6	11	1953	2462	
Chopada	974	798	185	171	933	489	203	66	3819	972	559	292	420	205	146	452	226	212	50	19	31	1690	2129	
Dharangaon	589	409	57	28	471	228	135	38	1955	400	179	125	100	42	47	121	33	88	0	0	0	514	1441	
Erandol	327	322	80	86	391	230	64	9	1509	480	219	145	120	39	64	220	72	113	0	0	0	652	857	
Jalgaon	636	458	51	30	109	20	76	52	1432	2556	1407	925	2310	1123	935	4092	1736	1096	680	95	0	7317	-5885	
Jalgaon Corp. Area	1311	982	984	864	2133	1247	192	86	7799	0	0	0	0	0	0	0	0	0	0	0	0	0	7799	
Jamner	483	604	317	360	718	431	111	37	3061	925	449	273	677	264	242	352	149	201	50	0	0	1578	1483	
Muktai Nagar	502	444	121	110	258	254	63	0	1752	520	289	188	220	104	85	320	133	154	0	0	0	953	799	
Pachora	838	730	101	81	877	475	183	13	3298	520	259	255	162	60	79	289	86	139	100	12	18	908	2390	
Parola	755	450	92	53	932	483	188	66	3019	940	402	275	120	52	45	288	133	156	125	30	23	1116	1903	
Raver	834	723	148	107	839	573	153	61	3438	540	273	139	100	33	57	352	123	127	80	0	0	752	2686	
Yawal	1051	662	176	135	996	600	174	52	3846	1160	532	227	580	154	110	740	296	404	80	0	16	1739	2107	
Total	12842	9960	2969	2890	12592	7482	1991	552	51278	13201	6562	4230	7417	2764	2661	9524	3904	3773	1465	201	287	24382	26896	

DHULE	12th Pass out Students								Grand Total (12 pass out) (A+B+C+D)	FY Humanities			FY Com & Mgmt			FY Sci & Tech			FY Interdisciplinary			Grand total Students Admitted in the University (E+F+G+H)	Students not admitted in the University (T1 - T2)				
Taluka	12th Arts (A)		12th Commerce (B)		12th Science (C)		12th Vocational (D)			Intake		Admitted (E)		Intake		Admitted (F)		Intake		Admitted (G)				Intake		Admitted (H)	
	M	F	M	F	M	F	M	F			M/F	M	F	M/F	M	F	M/F	M	F	M/F	M			F			
Dhule	1186	1029	30	10	1771	1051	68	14	5159	3426	1574	883	1558	503	454	2642	1497	1039	680	110	136	1977	3182				
Dhule Corp. Area	449	620	333	326	2017	1247	236	131	5359	0	0	0	0	0	0	0	0	0	0	0	0	4219	1140				
Sakri	966	800	148	167	1267	1003	125	17	4493	1520	604	286	744	84	89	1428	408	318	200	0	0	1789	2704				
Shindkheda	526	590	106	90	1176	757	100	38	3383	2140	499	392	300	139	92	844	268	229	0	0	0	1619	1764				
Shirpur	770	699	113	49	1328	953	0	0	3912	1240	560	392	340	298	194	756	715	591	100	42	48	2840	1072				
Total	3897	3738	730	642	7559	5011	529	200	22306	8326	3237	1953	2942	1024	829	5670	2888	2177	980	152	184	12444	9862				

NANDURBAR	12th Pass out Students								Grand Total (12 pass out) (A+B+C+D)	FY Humanities			FY Com & Mgmt			FY Sci & Tech			FY Interdisciplinary			Grand total Students Admitted in the University (E+F+G+H)	Students not admitted in the University (T1 -T2)
Taluka	12th Arts (A)		12th Commerce (B)		12th Science (C)		12th Vocational (D)			Intake	Admitted (E)		Intake	Admitted (F)		Intake	Admitted (G)		Intake	Admitted (H)			
	M	F	M	F	M	F	M	F			M/F	M		F	M/F		M	F		M/F	M		
Akkalkuwa	400	363	20	8	405	294	0	0	1490	1720	288	132	120	46	13	679	140	33	325	35	15	702	788
Dhadgaon	146	160	23	22	163	143	0	0	657	467	117	101	710	17	7	426	74	39	100	0	0	355	302
Nandurbar	828	856	229	165	1255	860	81	25	4299	360	925	606	120	256	153	120	387	306	0	20	29	2682	1617
Navapur	440	306	78	59	742	830	0	0	2455	640	290	138	120	45	24	144	75	69	200	59	24	724	1731
Shahada	476	554	63	39	1520	1016	83	0	3751	1360	583	285	183	111	48	956	486	451	100	32	18	2014	1737
Taloda	304	221	31	18	377	295	0	0	1246	396	221	172	120	36	23	220	108	95	0	0	0	655	591
Total	2594	2460	444	311	4462	3438	164	25	13898	4943	2424	1434	1373	511	268	2545	1270	993	725	146	86	7132	6766

**Regional imbalance (Rural-Urban divide in accessibility of education)**

<b>Taluka Wise</b>	<b>RURAL</b>	<b>TRIBAL</b>	<b>URBAN</b>	<b>Grand Total</b>
Amalner			5639	5639
Bhadgaon	972			972
Bhusawal			6494	6494
Bodwad	1226			1226
Chalisgaon			4546	4546
Chopda		4082		4082
Dharangaon	876			876
Erandol	1400			1400
Jalgaon			30171	30171
Jamner	4200			4200
Muktainagar	2496			2496
Pachora	2048			2048
Parola	2291			2291
Raver		1553		1553
Yawal		4953		4953
Dhule			19027	19027
Sakri		3902		3902
Shindkheda	3699			3699
Shirpur		10121		10121
Akkalkuwa		2022		2022
Dhadgaon		696		696
Nandurbar			6913	6913
Navapur		1782		1782
Shahada			5828	5828
Taloda		1673		1673
<b>Grand Total</b>	<b>19208</b>	<b>30784</b>	<b>78618</b>	<b>128610</b>



**Statistics on NAAC accreditation**

No of Colleges affiliated to the University	No of colleges that have acquired NAAC accreditation in the last 3 cycles	Number of colleges that have not undergone NAAC accreditation any time
215	98	117

## Annexure 4

### Economic survey of the local regions (Urban-Rural divide in Social and Economic Development)

Name of Taluka	Per capita income	% of population below poverty line	Employment in Organized Sector	Employment in Unorganized Sector	Female labour participation rate %	Literacy rate	Female literacy rate	% of house with improved source of drinking water	% of house holds with electricity	Number of PHC
<b>Dhule</b>	85706	35%	57915	15400	6705	80.63	74.77	100.0%	100.0%	11
Sakri		48%		0		63.67	55.79	100.0%	100.0%	14
shindkheda		49%		1471		75.41	65.88	100.0%	100.0%	8
Shirpur		39%		3229		64.95	57.56	100.0%	100.0%	8
Amalner	77751	35%	177617	2597	9862	78.52	70.87	100.0%	100.0%	5
Bhadgaon		18%		272		76.13	67.41	99.9%	100.0%	4
Bhusawal		24%		7650		86.27	81.67	100.0%	100.0%	4
Bodwad		42%		NA		79.32	70.95	100.0%	100.0%	2
Chalisingaon		48%		5611		75.59	66.84	99.6%	99.6%	10
Chopda		37%		1818		72.48	64.34	100.0%	100.0%	7
Dharangaon		38%		241		77.03	68.7	99.9%	100.0%	4
Erandol		29%		106		74.11	65.06	99.9%	100.0%	3
<b>Jalgaon</b>		24%		40588		84.35	78.96	99.9%	100.0%	5
Jamner		43%		NA		74.86	65.16	99.9%	100.0%	7
Muktainagar		35%		NA		75.06	66.39	100.0%	100.0%	4
Pachora		24%		2434		75.54	66.39	100.0%	100.0%	5
Parola		34%		1469		75.16	66.18	100.0%	100.0%	4
Raver		31%		1354		77.38	70.02	100.0%	100.0%	7
Yawal		29%		724		78.33	70.91	100.0%	100.0%	6
Akkalkuwa	56531	67%	45887	74084	7103	62.8	54.6	100.0%	100.0%	13
Akrani		64%		51264		53.3	46.6	100.0%	100.0%	13
<b>Nandurbar</b>		55%		139198		71.4	63.4	100.0%	100.0%	7
Navapur		52%		90993		60.5	52.9	100.0%	100.0%	9
Shahada		54%		167677		66.1	57.6	100.0%	100.0%	12
Taloda		66%		65764		65.5	57.7	100.0%	100.0%	4

## Annexure 5

### Major industries in the region

Name of university department	Industry / Service type	Number of Employees in each industry / service sector	Number of employees in each industry/ service sector envisaged by 2024	Skills required for employment in each industry /service sector	R&D opportunities in each industry / service sector	New industries expected by 2024
Jalgaon	Automobile	1738	1800	Spares, Assembling and Maintenance		2
	Heavy machinery	114	150	Assembling and Maintenance		1
	Textile	1224	1500	Operation of Weaving Machines/Repairs of Textile machinery Technological intervention in pre loom, on loom and quality control process		05
	Beverages	206	500	Synthesis, formulations, Processing	Yes	5
	Electric Motors, Batteries, Wires, Generators, Transformers, Electric products	825	1000	Assembling, windings, rewinding, maintenance		50
	Medicine, Drug, Chemical, Pesticides, Plant Growth Regulator, Liquid Fertilizers, Medical Products, Bio-products	1582	1700	Synthesis, preparation, Formulation, Processing, Safer applications	Yes	10
	Gold Art, Metal Artisan, Metal Products, Iron & Steel products	2230	2500	Goldsmith, Quality checking of Gold, Inspection and testing, Welding, Molding, Processing etc		5

<b>Dhule</b>	Textile	3278	3500	Operation of Weaving Machines/Repairs of Textile machinery Technological intervention in pre loom, on loom and quality control process		05
	Beverages	57	100	Synthesis, formulations, Processing	Yes	2
	Electric Motors, Batteries, Wires, Generators, Transformers, Electric products	7	25	Assembling, windings, rewinding, maintenance		5
	Medicine, Drug, Chemical, Pesticides, Plant Growth Regulator, Liquid Fertilizers, Medical Products, Bio-products	1255	1500	Synthesis, preparation, Formulation, Processing, Safer applications	Yes	5
	Metal Artisan, Metal Products, Iron & Steel products	763	850	Inspection and testing, Welding, Molding, Processing etc		2
<b>Nandurbar</b>	Beverages	99	150	Synthesis, formulations, Processing	Yes	3
	Chemical, Pesticides	4	25	Synthesis, preparation, Formulation, Processing, Safer applications	Yes	2
	Metal Products, Iron & Steel products	18	25	Inspection and testing, Welding, Molding, Processing etc		3

### Industry in the region (Micro Small Medium Enterprises)

Name of university department	Industry/Service type	Number of Employees in each industry / service sector	Number of employees in each industry/service sector envisaged by 2024	Skills required for employment in each industry /service sector	R&D opportunities in each industry/ service sector	New industries expected by 2024
Jalgaon	Wood Mills & Storage wood Products (Furniture)	557	600	Wood cutting Carpenter		05
	Paper Industries, Paper Products	1564	2000	Machine operation		10
	Plastic Products	6614	6700	Machine operation		2
	Grinding Milling	2721	3000	Mill operation		15
	Glass Products	12	20	Chemical Mixing, molding	Yes	15
	Warehouses, Cold Storage	21	30	Ware house Management, Supply Chain Management, Machine Operation	Yes	40
	Food Product Industries	2130	2500	Processing knowledge	Yes	20
	Rubber Products	97	100	Chemical mixing, Machine operation	Yes	1
	Printing, Binding & Office Stationery	412	500	Assembling		20
	Electronic Industry	22	65550	Fabrication, Assembling, soldering	Yes	40
Dhule	Wood Mills & Storage wood Products (Furniture)	204	300	Wood cutting Carpenter		2
	Paper Industries, Paper Products	58	150	Machine operation		5
	Plastic Products	342	500	Machine operation		2

	Grinding Milling	731	850	Mill operation		5
	Animal Skin processing	612	800	Chemical Processing		5
	Warehouses, Cold Storage	9	100	Ware house Management, Supply Chain Management, Machine Operation		10
	Animal Feed Industries	181	300	Processing knowledge	Yes	3
	Rubber Products	48	70	Chemical mixing, Machine operation	Yes	2
	Printing, Binding & Office Stationery	16	50	Assembling		5
Nandurbar	Wood Mills & Storage wood Products (Furniture)	125	200	Wood cutting Carpenter		05
	Paper Industries, Paper Products	20	50	Machine operation		1
	Grinding Milling	92	200	Mill operation		2
	Warehouses, Cold Storage	32	50	Ware house Management, Supply Chain Management, Machine Operation	Yes	2
	Animal Feed Industries	21	50	Processing knowledge	Yes	2
	Rubber Products	7	20	Chemical mixing, Machine operation	Yes	2
	Coal Industries	7	20	Mixing, Processing		1



## Annexure 7

### Industry in the region (Agro based)

Name of university department	Industry/Service type	Number of Employees in each industry / service sector	Number of employees in each industry/service sector envisaged by 2024	Skills required for employment in each industry /service sector	R&D opportunities in each industry/ service sector	New industries expected by 2024
Jalgaon	Agriculture	4928	5200	Farming skill	Yes	10
	Fruits / Vegetable storage	223	250	Preservation technique	Yes	05
	Animal Feeds	41	50	Processing of feed	Yes	5
	Milk Product	692	700	Manufacturing Process	Yes	3
	Tobacco Products	845	900	Management Skill	Yes	5
	Oil and Fat Extraction from Animal and Fruits	1032	1100	Manufacturing Process	Yes	5
Dhule	Agriculture	383	500	Farming skill	Yes	10
	Fruits / Vegetable storage	62	100	Preservation technique	Yes	4
	Animal Feeds	181	200	Processing of feed	Yes	1
	Milk Product	203	300	Manufacturing Process	Yes	5
	Oil and Fat Extraction from Animal and Fruits	1285	1500	Manufacturing Process	Yes	10
Nandurbar	Agriculture	1236	1500	Farming skill	Yes	5
	Fruits / Vegetable storage	42	50	Preservation technique	Yes	1
	Animal Feeds	21	30	Processing of feed	Yes	1
	Oil and Fat Extraction from Animal and Fruits	131	200	Manufacturing Process	Yes	5

### Industry in the region (Craft, Handloom, Local products)

Name of university department	Industry/Service type	Number of Employees in each industry / service sector	Number of employees in each industry/service sector envisaged by 2024	Skills required for employment in each industry /service sector	R&D opportunities in each industry/service sector	New industries expected by 2024
Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon	Craft, Handloom, Local products	00	20	Chemical colour Processing technique	--	5

## Annexure 9

### Local resources (Agri produce, Minerals, Tourist spots etc.)

Name of university department	Industry/Service type	Number of Employees in each industry / service sector	Number of employees in each industry/service sector envisaged by 2024	Skills required for employment in each industry /service sector	R&D opportunities in each industry/service sector	New industries expected by 2024
Jalgaon	Agri Product	7003	10000	Processing technique	Yes	50
	Minerals	0	0	Searching, processing Testing	Yes	NA
	Tourist Spots (03)	0	100	Hospitality	Yes	5
Dhule	Agri Product	2533	3500	Processing technique	Yes	15
	Minerals	1225	1500	Searching, processing Testing	Yes	2
	Tourist Spots (01)	0	25	Hospitality	Yes	2
Nandurbar	Agri Product	1325	1500	Processing technique	Yes	5
	Minerals	0	0	Searching, processing Testing	Yes	NA
	Tourist Spots (06)	0	500	Hospitality	Yes	12

### Opportunities in Fine arts, Performing arts, Photography, Animation, Local arts

Name of university department	Name of Course	Current enrolment rates in courses offered in liberal, fine and performing arts, animation, photography, etc.	Placement details of graduates from these courses
Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon	Applied Arts	55	Placement for graduates is not available in this region.
	Drawing & Painting	8	
	Painting	24	
	Print Making	4	
	Printing	9	
	Sculpture	7	
	Visual Communication	4	

### Survey and feedback of stakeholders

Sr.No.	Stakeholders	Target	Actual	Feed back
1.	Students	5000	5088	<ul style="list-style-type: none"> <li>• More emphasis on quality education.</li> <li>• Revision of curriculum including skill components.</li> <li>• Need of new colleges and hostels.</li> <li>• Centers for Competitive examinations guidance.</li> </ul>
2.	Teachers	2000	2212	<ul style="list-style-type: none"> <li>• Need of new colleges &amp; new courses.</li> <li>• Technical Courses for rural &amp; Tribal areas.</li> <li>• Need of Women's colleges.</li> <li>• Problems of faculty of unaided colleges.</li> <li>• Effective Implementation of research schemes.</li> </ul>
3.	Principals (Junior & Senior Colleges )	200	309	<ul style="list-style-type: none"> <li>• Excellent coordination between University and affiliated colleges.</li> <li>• More budget &amp; support for research.</li> <li>• Active participation of colleges in university decisions &amp; policy.</li> </ul>
4.	Chairman of Colleges /Institute (Jr.& Sr. Colleges)	200	261	<ul style="list-style-type: none"> <li>• Guidance for NAAC/NBA accreditation.</li> <li>• New colleges according GER.</li> <li>• New Colleges in rural areas.</li> <li>• Guidance for SWOT analysis.</li> </ul>
5.	Non-Teaching Staff (Campus & affiliated colleges)	700	919	<ul style="list-style-type: none"> <li>• Training for official work according to development in technology.</li> <li>• Industrial visits for survey of administration.</li> <li>• Organization of training &amp; workshops.</li> </ul>
6.	Senate Members	40	40	<ul style="list-style-type: none"> <li>• Change according to world scenario in higher education.</li> <li>• Training/courses for teaching &amp; non-teaching staff of affiliated colleges.</li> <li>• MoUs with national &amp; international organizations.</li> <li>• Training courses towards leadership &amp; administration.</li> </ul>
7.	Parents	1600	1714	<ul style="list-style-type: none"> <li>• Sound technical courses.</li> <li>• Job placement &amp; recruitment</li> <li>• Need and skill based education.</li> <li>• Inclusion of ethics &amp; values in the curriculum.</li> <li>• Need of certificate courses.</li> </ul>

Sr.No.	Stakeholders	Target	Actual	Feed back
8.	Social Workers	40	40	<ul style="list-style-type: none"> <li>• Mechanism to convey the research and innovation of university to society.</li> <li>• Quality education in university.</li> </ul>
9.	Industrialists	200	226	<ul style="list-style-type: none"> <li>• Skill based courses to meet the needs of local industries.</li> <li>• Training for women workers.</li> <li>• New colleges as per the population.</li> <li>• Job opportunity to skilled students.</li> </ul>
10.	VC, PVC, Registrars	20	20	<ul style="list-style-type: none"> <li>• Adequate faculty &amp; non-teaching staff.</li> <li>• Revision of curriculum as per the need of region &amp; available resources.</li> <li>• Financial support for research &amp; fellowships.</li> <li>• Introspective &amp; sophisticated facility for research.</li> </ul>
<b>TOTAL</b>		<b>10,000</b>	<b>10,829</b>	



### Proposed New Colleges, Additional Divisions

#### 5.1.1 District wise New Colleges:

Arts, Commerce, Science & Management colleges

Districts	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Jalgaon	06	10	09	10	10	45
Dhule	05	02	02	03	02	14
Nandurbar	04	02	03	03	03	15
<b>Total</b>	<b>15</b>	<b>14</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>74</b>

#### Location wise New Colleges:

Sr. No.	Taluka	Proposed Location for New College/Institution	Proposed Colleges with Faculties Arts (A)/ Commerce (C) / Science (S)/ Management Sciences(M)				
			Total Colleges/ Institutions	A	C	S	M
1	2	3	4	5	6	7	8
1.	<b>Jalgaon</b>	Shirsoli/Kusumba	02	✓	✓	✓	✓
		Nashirabad	01	✓	✓	✓	
		Bhokar	01	✓	✓	✓	
		Mhasawad	01	✓	✓		
2.	<b>Amalner</b>	Amalner	02	✓	✓	✓	✓
		Janave	01	✓	✓	✓	
		Patonda	01	✓		✓	
		Mandal	01	✓	✓		
3.	<b>Dharngaon</b>	Paldhi	01	✓	✓	✓	
		Bambhori BK	02	✓	✓	✓	✓
		Salwa	01	✓			
4.	<b>Erandol</b>	Kasoda	01	✓	✓	✓	
		Kadholi	01	✓	✓	✓	
5.	<b>Chopda</b>	Chopda	02		✓	✓	✓
		Hated	01	✓			
		Umarti	01	✓	✓	✓	
		Ghodgaon/Galangi/Chahardi	01	✓	✓		
6.	<b>Chalisgaon</b>	Chalisgaon	01	✓	✓	✓	
		Waghali	01	✓	✓		
		Talegaon	01	✓			
		Pimparkhed	01	✓	✓	✓	
		Mehunbare	01	✓	✓	✓	
7.	<b>Pachora</b>	Pachora	01	✓	✓	✓	
		Nagardevala	01	✓	✓		
		Lohara	01	✓		✓	
8.	<b>Bhadgaon</b>	Kajgaon	01	✓			
		Juwardi	01	✓			
9.	<b>Parola</b>	Tamaswadi/Devagaon	01	✓	✓	✓	
10.	<b>Jamner</b>	Fateepur	01	✓			
		Neri	01	✓	✓		
		Pahur	01	✓			
11.	<b>Raver</b>	Raver	01				✓

Sr. No.	Taluka	Proposed Location for New College/Institution	Proposed Colleges with Faculties Arts (A)/ Commerce (C) / Science (S)/ Management Sciences(M)				
			Total Colleges/ Institutions	A	C	S	M
1	2	3	4	5	6	7	8
12.	Yawal	Chinaval	01	✓	✓	✓	
		Yawal	01				✓
		Haripura	01	✓	✓	✓	
		Kingaon	01	✓			
		Sakali/Shirsal	01	✓	✓	✓	
13.	Muktainagar	Anturli	01	✓			
14.	Bodwad	Jamathi	01	✓			
15.	Bhusawal	Deepnagar	01	✓	✓		
		Kurha (Panache)	01	✓			
16.	Dhule	Dhule City	01	✓	✓	✓	
		Avadhan	01	✓	✓	✓	
		Fagane/Mukati	01	✓	✓	✓	
		Borkund	01	✓	✓	✓	
		Ner	02	✓*	✓*	✓*	✓
		Shirud	01	✓			
		Arvi	01	✓	✓		
		Mahindale	02		✓*		✓
		Kapadane	01	✓	✓	✓	
17.	Shirpur	Arthe/Varul	01	✓			
		Sangvi	01	✓	✓	✓	
18.	Shindkheda	Dhamane/Virdel/Bamhane	01	✓			
19.	Nandurbar	Nandurbar	02	✓	✓	✓	✓
		Ranale	01	✓	✓		
20.	Navapur	Navapur	02	✓	✓	✓	✓
		Visarwadi	01			✓	
		Navagaon	01	✓			
		Khandbara	01	✓	✓	✓	
21.	Shahada	Mandane	01	✓			
		Toranmal	01	✓	✓	✓	
		Bramhanpuri	02	✓	✓	✓	✓
22.	Taloda	Borad	01	✓			
		Prtappur	01	✓			
23.	Akkalkuwa	Molgi	01		✓	✓	
Total New Colleges			74				

Note: The engineering, pharmacy and architecture colleges are not included as it's affiliating university is BATU, Lonere.

#### 5.1.2 University Conducted college

Tahsil/District	2019-20
Molagi, Nandurbar	01
<b>Total</b>	<b>01</b>

### 5.1.3 Model college

Location/District	2019-20
<i>Tokartalao, Nandurbar</i>	01
<b>Total</b>	<b>01</b>

### 5.1.4 Satellite centres: Total: 03

- Pratap Regional Post-graduate Center, Amalner
- Mahatma Gandhi Tatwadnyan Kendra, Dhule
- Eklavya Training Center, Nandurbar

### 5.1.5 New Women's college locations: Total: 05

Tehsil	Women's College
Navapur/Taloda/Kakarda (Tribal Area)	01
Shindkheda/Shirpur	01
Jamner/Bodwad/Muktainagar/Varangaon	01
Chalisingaon/Pachora/Bhadgaon	01
Dharangaon/Erondol/Parola	01

### 5.1.6 New Night colleges locations: Total: 04

Districts	Locations Arts (A), Commerce (C) & Management (M)
Jalgaon	01
Bhusawal	01
Dhule	01
Nandurbar	01

### 5.1.7 New Social Work colleges: Total: 08

District	Social Work College
Jalgaon/Jamner-Pahur/Pachora/Erondol	04
Dhule/Shindkheda/Sangavi-Shirpur	03
Nandurbar	01

### 5.1.8 New Arts and Fine Art college locations: 08

Tehsil	Arts and Fine Arts College
Chalisingaon	01 (Fine Arts)
Jamner/Pahur	01 (Performing Arts)
Dhule	02 (01Fine Arts) (01 Performing Arts)
Sangvi Tal. Shirpur	02 (01Fine Arts) (01 Performing Arts)
Nandurbar	02 (01Fine Arts) (01Performing Arts)

### 5.1.9 Skill development colleges location: Total: 32

District	Skill development colleges
Jalgaon	18
Dhule	09
Nandurbar	05
<b>Total</b>	<b>32</b>

**5.1.10 New Law college: 01**

Districts	Law colleges
Nandurbar-Taloda/Akkalkuva	01

**5.1.11 New Nursing college: 01**

Districts	Nursing college
KBC NMU campus, Jalgaon	01

**5.1.12 New special B.Ed. colleges location: 02**

District	Special B.Ed. College
Dhule	02

**5.1.13 New special B.Sc. (Hotel/Hospitality Management) colleges location: 02**

District	B.Sc. (Hotel/Hospitality Management) College
Jalgaon	01
Dhule	01

**5.1.14 New special B.Sc. (Fashion Designing) colleges location: 02**

District	B.Sc. (Fashion Designing) College
Jalgaon	01
Dhule	01

**5.1.15 District wise additional divisions:**

Arts, Commerce, Science & Management colleges.

Districts	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Jalgaon	26	23	22	20	20	111
Dhule	11	12	10	10	10	53
Nandurbar	03	05	09	11	11	39
Total	<b>40</b>	<b>40</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>203</b>

\*Location wise additional divisions are given on next page

### Location wise additional divisions:

Sr. No.	Taluka	New Courses & Faculty	New Subjects	Additional Divisions																			
				F.Y. B.A.	S.Y. B.A.	T.Y. B.A.	F.Y. B.Sc.	S.Y. B.Sc.	T.Y. B.Sc.	F.Y. B.Com.	S.Y. BCom.	T.Y. BCom.	Law 1 <sup>st</sup> Year	B.Ed.	B.S.W. 1 <sup>st</sup> Yr.	M.S.W. 1 <sup>st</sup> Yr.	M.A.	M.Sc.	M.Com.	M.C.A. 1 <sup>st</sup> Yr.	M.B.A. 1 <sup>st</sup> Yr.	Professional Courses UG/PG Per College	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1.	Jalgaon Dist. Jalgaon	1.B.A. L.L.B. 2.Dip.in Taxation Law 3. M.Pharm.-Pharmaceutics 4.M.Com.-HRM, Account 5.BE-Civil & Electrical 6. MA-English, Marathi 7. BCA, BBA 8.BBA-IT 9.B.Com.-Accountancy & Taxation 10. M.Com-Accountancy & Taxation 11.BNYS 12.MPH 13.BFA 14. BCA 15.BBA	1.B.Sc., Compu.Sci, Biotech, Electronics, Micro 2.B.A. Psychology, Pali 3. M.Sc. Nano-Tech., Maths, Org.Chem. Physics 4. Yoga (Interdisciplinary Faculty) 5. Portfolio Management (Comm.&Mgt. Faculty) 6. Translation Study- (Humanities faculty.)	02	02	02	02	02	02	01	01	01	--	--	--	--	--	--	01	--	--	01/01	18
2.	Jamner Dist. Jalgaon	1. M.Com.	1. M.Sc. Nano-Tech., Maths, Org.Chem. Physics 2. Arts- All Subjects Gen. & Spl. Sub.	01	01	01	01	01	01	01	01	01	--	--	--	--	--	--	--	--	--	--	09

Sr. No.	Taluka	New Courses & Faculty	New Subjects	Additional Divisions																			
				F.Y. B.A.	S.Y. B.A.	T.Y. B.A.	F.Y. B.Sc.	S.Y. B.Sc.	T.Y. B.Sc.	F.Y. B.Com.	S.Y. B.Com.	T.Y. B.Com.	Law 1 <sup>st</sup> Year	B.Ed.	B.S.W. 1 <sup>st</sup> Yr.	M.S.W. 1 <sup>st</sup> Yr.	M.A.	M.Sc.	M.Com.	M.C.A. 1 <sup>st</sup> Yr.	M.B.A. 1 <sup>st</sup> Yr.	Professional Courses UG/PG Per College	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
3.	Bhusawal Dist. Jalgaon	1.M.A.- Politics, History, Music, Psychology	1.T.Y.B.Sc. Botany (Spl.) Phy.Spl. 2.M.Sc. Nano-Tech., Maths, Org.Chem. Physics Botany Microbiology IT Physical Chem. Zoology Inorg.Chem. 3. FYBA-Dramatics, Sociology (Gen) 4. FYBSc.- Geog.(Gen)	01	01	01	01	01	01	--	--	--	--	--	--	--	--	01	--	--	--	01/01	09
4.	Bodvad Dist. Jalgaon	1.M.Com. 2.M.A.-Marathi, English, Economics	1.T.Y.B.Sc. Botany (Spl.) Phy.Spl. Zoo. Spl. 2.M.Sc. Nano-Tech., Maths, Org.Chem. Physics 3.BA-History (Spl.&Gen.) 4. B.Com.- New Subjects	01	01	--	01	01	--	01	01	--	--	--	--	--	--	--	--	--	--	--	06



Sr. No.	Taluka	New Courses & Faculty	New Subjects	Additional Divisions																			
				F.Y. B.A.	S.Y. B.A.	T.Y. B.A.	F.Y. B.Sc.	S.Y. B.Sc.	T.Y. B.Sc.	F.Y. B.Com.	S.Y. BCom.	T.Y. BCom.	Law 1 <sup>st</sup> Year	B.Ed.	B.S.W. 1 <sup>st</sup> Yr.	M.S.W. 1 <sup>st</sup> Yr.	M.A.	M.Sc.	M.Com.	M.C.A. 1 <sup>st</sup> Yr.	M.B.A. 1 <sup>st</sup> Yr.	Professional Courses UG/PG Per College	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
5.	Muktainagar Dist. Jalgaon	1.M.Com. 2.M.A.-History, Marathi, English, Politics, 3. B.Sc. (All Sub.) (Spl.&Gen.)	1.M.Sc. Nano-Tech., Maths, Org.Chem. Physics Microbiology	01	01	01	01	01	01	--	--	--	--	--	--	--	--	--	01	--	--	--	07
6.	Yawal Dist. Jalgaon	1.B.Pharm. (Practisce) (As per regulation 2014) 2.M.E.-Comp.Engg., Civil Engg.	1.M.Sc. Nano-Tech., Maths, Org.Chem. Physics 2.BE-Elect. Engg.	01	01	01	01	01	--	01	01	--	--	--	--	--	--	--	01	--	--	--	08
7.	Raver Dist. Jalgaon	1.M.A.- Economics	1.M.Sc. Nano-Tech., Maths, Org.Chem. Physics, Computer	01	01	--	01	01	--	01	01	--	--	--	--	--	--	--	--	--	--	--	06
8.	Pachora Dist. Jalgaon	1.B.Com. 2.BBA	1.M.Sc. Nano-Tech., Maths, Org.Chem. Physics	01	01	01	01	01	--	01	01	--	--	--	--	--	--	--	--	--	--	--	07
9.	Chalisgaon Dist. Jalgaon	1.M.Com.	1.B.A. Sankrit, Psychology Journalism 2. B.Sc. Statistics, Bio-Chem. Microbiology 3. M.A. Hindi 4.M.Sc. Nano-Tech., Maths, Org.Chem. Physics	01	01	01	01	01	01	01	01	01	--	--	--	--	--	--	--	--	--	--	09

Sr. No.	Taluka	New Courses & Faculty	New Subjects	Additional Divisions																			
				F.Y. B.A.	S.Y. B.A.	T.Y. B.A.	F.Y. B.Sc.	S.Y. B.Sc.	T.Y. B.Sc.	F.Y. B.Com.	S.Y. B.Com.	T.Y. B.Com.	Law 1 <sup>st</sup> Year	B.Ed.	B.S.W. 1 <sup>st</sup> Yr.	M.S.W. 1 <sup>st</sup> Yr.	M.A.	M.Sc.	M.Com.	M.C.A. 1 <sup>st</sup> Yr.	M.B.A. 1 <sup>st</sup> Yr.	Professional Courses UG/PG Per College	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
10.	Bhadgaon Dist. Jalgaon	1. B.Com. (All Subjects) 2. B.Sc. (All Subjects)	1. B.Sc. (All Subjects) (Spl.&Gen.) 2. B.Com. 3. M.Sc. Nano-Tech., Maths, Org.Chem. Physics	--	--	--	01	01	01	--	--	--	--	--	--	--	--	--	--	--	--	--	03
11.	Parola Dist. Jalgaon	1.M.A.-Marathi, Hindi, Geog. History,	1.M.Sc. Nano-Tech., Maths, Org.Chem. Physics, Botany	01	01	01	01	01	01	--	--	--	--	--	--	--	--	--	--	--	--	--	06
12.	Erandol Dist. Jalgaon	1.M.A.- Marathi, Economics	1.M.Sc. Nano-Tech., Maths, Org.Chem. Physics	--	--	--	01	01	01	--	--	--	--	--	--	--	--	--	--	--	--	--	03
13.	Dharmgaon Dist. Jalgaon	1. B.Sc. (All Subjects) 2. B.Com. 3. B.A. (All Subjects) 4.M.Com. 5. M.A.- Public Administration, History	1.M.Sc. Nano-Tech., Maths, Org.Chem. Physics, MicrobiologyOrg. Chem.,	--	--	--	01	01	01	--	--	--	--	--	--	--	--	--	--	--	--	--	03
14.	Chopda Dist. Jalgaon	1.B.Sc. (All Subjects) 2.M.A.-Hindi, History, Psychology, Defence, Marathi	1.M.Sc. Nano-Tech., Maths, Org.Chem. Physics ,Botany Biotech 2.B.A.-History, Psychology	01	01	01	01	01	01	--	--	--	--	--	--	--	--	--	--	--	--	01/01	08

Sr. No.	Taluka	New Courses & Faculty	New Subjects	Additional Divisions																				
				F.Y. B.A.	S.Y. B.A.	T.Y. B.A.	F.Y. B.Sc.	S.Y. B.Sc.	T.Y. B.Sc.	F.Y. B.Com.	S.Y. BCom.	T.Y. BCom.	Law 1 <sup>st</sup> Year	B.Ed.	B.S.W. 1 <sup>st</sup> Yr.	M.S.W. 1 <sup>st</sup> Yr.	M.A.	M.Sc.	M.Com.	M.C.A. 1 <sup>st</sup> Yr.	M.B.A. 1 <sup>st</sup> Yr.	Professional Courses UG/PG Per College	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
15.	Amalner Dist. Jalgaon	1.B.Sc. (All Subjects) 2.M.A.-Geog., Pol.Science, Eng.,Marathi, History, Defence 3.B.Com. (All Sub)	1.M.Sc. Nano-Tech., Maths, Org.Chem. Physics 2.B.A.-Sociology, Hindi, Eco., Psychology 3. TYB.Com.- New Subjects	01	01	01	01	01	01	01	01	01	--	--	--	--	--	--	--	--	--	--	--	09
16.	Dhule Dist. Dhule	1. M.A. (All Subjects) 2.M.Com. 3. B.C.A. 4.B.Com. 5.M.C.A. (M.C.A. for KBCNMU Sub Center) 6. Dip.in IPR 7. Advanced Dip.in Print Packaging Art	1.M.Sc. Nano-Tech., Maths,Org.Chem. Physics Geo Informatics, Chemistry, Environmental Sci., Drug Chem. Zoology. 2.B.Sc. - Chemistry, Physics, Maths, Computer Sci. Zoology, Electronics, Botany, Geography , Micro,Geology, Bio Chemistry, (All General / Special) 3. BA - Pali, Def. Stud. , Urdu, Marathi, Hindi, Politics, (All General/ Special) 4. LLM- New Subject	02	02	02	02	02	02	02	02	02	03 (One Each For LLB II , III and DTL)	--	01	--	--	--	--	--	--	--	01/01	24

Sr. No.	Taluka	New Courses & Faculty	New Subjects	Additional Divisions																			
				F.Y. B.A.	S.Y. B.A.	T.Y. B.A.	F.Y. B.Sc.	S.Y. B.Sc.	T.Y. B.Sc.	F.Y. B.Com.	S.Y. B.Com.	T.Y. B.Com.	Law 1 <sup>st</sup> Year	B.Ed.	B.S.W. 1 <sup>st</sup> Yr.	M.S.W. 1 <sup>st</sup> Yr.	M.A.	M.Sc.	M.Com.	M.C.A. 1 <sup>st</sup> Yr.	M.B.A. 1 <sup>st</sup> Yr.	Professional Courses UG/PG Per College	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
17.	Sakri Dist. Dhule	1.M.A. Geog., History, Marathi, Hindi, Sociology, English,	1.M.Sc. Nano-Tech., Maths, Org.Chem. Physics 2. B.Sc.-Chem. Physics, Botany, Zoology(All Spl.) 3.BA- History, Eng., Geog.(All Gen.& Spl.)	01	01	01	02	02	02	01	01	01	--	--	--	--	--	--	--	--	--	--	12
18.	Shindkheda Dist. Dhule	1.M.A. - Marathi, Hindi, English, Def. Stud. Sociology, Political Sci. 2. B.Sc. - (All Sub) 3. M.Com. 4.B.B.M. B.B.A., B.C.A., M.B.M., M.C.M. ,	1.M.Sc. Nano-Tech., Maths, Org.Chem. Physics, Botany, Computer Sci. Geography, Computer Sci.,	01	01	01	01	01	01	--	--	--	--	--	--	--	--	--	--	--	--	--	06
19.	Shirpur Dist. Dhule	1.M.Tech. (Cosmetic) 2.Pharm.D. 3. M.A. (All Subjects) 4. M. Pharm. - DRA & IPR, Pharm. Analysis, Regulatory & toxicology, 5. B. PHARM. - Ayurved	1. M.Sc.- Zoo, Botany, Computer, Physics, Nano-Tech., Maths, Org.Chem. Physics 2. B.A.- Pali, Psychology, Hindi, History, (All Gen.& Spl.) 3.BSc.-Geog., Physics, Mathematics, Statistics,	01	01	01	01	01	01	01	01	01	--	--	--	--	--	--	--	--	--	01/01	11

Sr. No.	Taluka	New Courses & Faculty	New Subjects	Additional Divisions																				
				F.Y. B.A.	S.Y. B.A.	T.Y. B.A.	F.Y. B.Sc.	S.Y. B.Sc.	T.Y. B.Sc.	F.Y. B.Com.	S.Y. B.Com.	T.Y. B.Com.	Law 1 <sup>st</sup> Year	B.Ed.	B.S.W. 1 <sup>st</sup> Yr.	M.S.W. 1 <sup>st</sup> Yr.	M.A.	M.Sc.	M.Com.	M.C.A. 1 <sup>st</sup> Yr.	M.B.A. 1 <sup>st</sup> Yr.	Professional Courses UG/PG Per College	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
			Chemistry Botany, Computer, Zoology, Electronics, Biotechnology , Microbiology Eng.& Marathi (All Gen & Spl.)																					
20	Navapur Dist. Nandurbar	1.M.A. (All Subjects) 2.B.Sc. (All Subjects) 3. M.Com.	1.B.A.- English (Spl.) 2. M.Sc. Geography, Nano-Tech., Maths, Org.Chem. Physics, Comp.Sci., Statistics	01	01	01	01	01	01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	06
21	Nandurbar Dist. Nandurbar	1.M.A. (All Subjects) 2.M.Com.	1. M.A. (Geography) 2.M.Sc. Comp.Sci., Zoology, Nano-Tech., Maths, Org.Chem. Physics, Micriobiology 3. B.A. Music, Pali, 4. B.Sc. Geology 5. M.C.A. (For NMU Sub Center) 6.B.A.- All Gen.& Spl.Sub of FY to TYBA 7.Science All Gen.& Spl. Sub. of FY to TYB.Sc.	01	01	01	01	01	01	01	01	01	--	--	--	--	--	--	--	--	--	--	01/01	11

Sr. No.	Taluka	New Courses & Faculty	New Subjects	Additional Divisions																				
				F.Y. B.A.	S.Y. B.A.	T.Y. B.A.	F.Y. B.Sc.	S.Y. B.Sc.	T.Y. B.Sc.	F.Y. B.Com.	S.Y. B.Com.	T.Y. B.Com.	Law 1 <sup>st</sup> Year	B.Ed.	B.S.W. 1 <sup>st</sup> Yr.	M.S.W. 1 <sup>st</sup> Yr.	M.A.	M.Sc.	M.Com.	M.C.A. 1 <sup>st</sup> Yr.	M.B.A. 1 <sup>st</sup> Yr.	Professional Courses UG/PG Per College	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
22	Akkalkuwa Dist. Nandurbar	1.M.A. (All Subjects) 2. B.A. (All Subjects) 3. B.Sc. (All Subjects) 4. Non AICTE Professional Course	1.M.Sc. Nano-Tech., Maths, Org.Chem. Physics, Biology, Zoology, Physics	01	01	01	01	01	01	01	01	01	--	--	--	--	--	--	--	--	--	--	--	09
23	Dhadgaon Dist. Nandurbar	----	1. M.Sc. Nano-Tech., Maths, Org.Chem. Physics	01	01	01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	03
24	Taloda Dist. Nandurbar	--	M.Sc. Nano-Tech., Maths, Org.Chem. Physics	--	--	--	01	01	01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	03
25	Shahada Dist. Nandurabar	1.M.A. (All Subjects) 2.M.C.A. (For Institutions) 3. B.Sc. (All Subjects)	1.M.Sc. Nano-Tech., Maths, Org.Chem. Physics, Biology, Geog., 2.BA-Defence Study, Political Sci., Psychology (All Spl. & Gen.Sub) 3. B.Sc.- Geog., Geology, Statistics, Lib.Sci., Electronics (All Spl. Or Gen.)	01	01	--	01	01	--	01	01	--	--	--	--	--	--	01	--	--	--	--	--	07
TOTAL																							203	

### New courses proposed for 2019-2024

#### New courses in Skill/Entrepreneurship

Sr. No.	Name of the Course	Duration
1	B.Voc. (Agriculture & Food Security)	3years
2	B.Voc. (Bio-Diversity)	3years
3	B.Voc. (Dress Designing & Tailoring))	3years
4	B.Voc. (Ginning, Pressing)	3years
5	B.Voc. (Organic Farming)	3years
6	B.Voc. (Co-operative Banking)	3years
7	B.Voc. (Retail Marketing)	3years
8	B.Voc. (Animation & Multimedia)	3years
9	B.Voc. (Handicraft & Bamboo weaving)	3years
10	B.Voc. (Floriculture)	3years
11	B.Voc. (Industrial Instrumentation & Automation)	3years
12	B.Voc. (Horticulture)	3years
13	B.Voc. (Farm Equipment & Machinery)	3years
14	B.Voc. (Nursery Production & Management)	3years
15	B.Voc. (Ware House & Preservation)	3years
15	B.Voc. (Rural Health Care & Sanitation)	3years
16	B.Voc. (Dairy Products)	3years
17	B.Voc. (Drip & Irrigation Technology)	3years
18	B.Voc. (Electrical Wiring & Maintenance)	3years
19	B.Voc. (Mass Media & Reproduction)	3years
20	B.Voc. (Data Analytics)	3years
21	B.Voc. (Cyber Security & Forensic)	3years
22	B.Voc. (Pesticide Production)	3years
23	B.Voc. (Polymer Coating)	3years
24	B.Voc. (Nutrition & Diet Planning)	3years
25	B.Voc. (ICT Hardware & Networking)	3years
26	Certificate Course in Pollution Measurement & Control	6 Months
27	Certificate Course in Waste Management	6 Months
28	Certificate Course in Water Purification techniques	6 Months
29	Certificate Course in Welding & Fabrication	6 Months
30	Certificate Course in Metal Artisanship	6 Months
31	Certificate Course in Financial Services	6 Months
32	Certificate Course in Goods and Services Tax	6 Months
33	Certificate Course in Android Development	6 Months
34	Certificate Course in Written Communication	6 Months
35	Certificate Course in Accounting	6 Months

### New academic programs/courses

Sr. No.	Academic Program/Course	Duration
1	B.Sc. (Sanitary Science)	3 Years
2	B.Sc. (Audiography & Speech Therapy)	3 Years
3	M.Sc. (Data Science & Analysis)	2 Years
4	M.Sc. (Cognitive Science)	2 Years
5	M.Com. (Professional)	2 Years
6	B.A. (Tribal & Rural Studies)	3 Years
7	M.A. (Tribal & Rural Studies)	2 Years
8	B.A. (Tourism & Travel Management)	3 Years
9	M.Sc. (Soil Conservation)	2 Years
10	M.Sc. (Water Quality & Harvesting)	2 Years
11	M.Sc. (Pollution Studies)	2 Years
12	M.Sc. (Software Engineering)	2 Years
13	M.Sc. (Actuarial Science)	2 Years
14	M.A. (Folk Arts)	2 Years
15	M.Sc. (Computational Linguistics)	2 Years



## Existing skill courses

Sr. No.	Skill/Entrepreneurship course	Duration	Offered by (Name of Department/College)
1	B.Voc. (Food processing & Technology)	3years	Kisan College Parola Dist-Jalgaon
2	B.Voc. (Tissue Culture)	3years	
3	B.Voc. (GreenHouse Technology)	3years	
4	B.Voc. (Food processing & Technology)	3years	Pratap College, Amalner Dist-Jalgaon
5	B.Voc. (Renewable Energy Technology & management)	3years	
6	B.Voc. (Account & Taxation)	3years	
7	B.Voc. (Software Development)	3years	Arts,Commerce & Science College,Pachora
8	B.Voc. (Water & Conservation)	3years	
9	B.Voc. (Geo-Informatics)	3years	Arts,Commerce & Science College,Erandol
10	B.Voc. (Software Development)	3years	
11	B.Voc. (Software Development)	3years	Dr.P.R.Ghogre Science College, Dhule
12	B.Voc. (Green House Technology)	3years	
13	B.Voc. (Green House Technology)	3years	Jijamata Arts,Commerce & Science College,Nandurbar
14	B.Voc. (Agriculture economics & farm management)	3years	
15	B.Voc. (Software Development & Technology)	3years	
16	B.Voc. (Broadcasting & Journalism)	3years	Dr.G.D.Bendale Mahila College, Jalgaon
17	B.Voc. (Photography& ideography)	3years	
18	B.Voc. (Film Making & Dramatics)	3years	
19	B.Voc. (Jewelry Designing)	3years	
20	B.Voc. (Electronic Media)	3years	
21	B.Voc. (3-D Animation)	3years	
22	B.Voc. (Theatre &Television)	3years	
23	B.Voc. (Sports Nutrition & Physiotherapy)	3years	
24	B.Voc. (Financial Management)	3years	
25	B.Voc. (Graphics & Multimedia)	3years	KCE Society`s IMR Jalgaon
26	B.Voc. (BFSI)	3years	
27	B.Voc. (Travel & Tourism)	3years	
28	B.Voc. (Agriculture)	3years	M.J.College,Jalgaon
29	B.Voc. (Floriculture & Landscape Gardening)	3years	
30	Diploma in -----		NA
31	Post graduate diploma in		NA
32	Certificate course in Bio-Fertilizer Production	6 months	KBC North Maharashtra University, Jalgaon
33	Certificate course in Cultivation of Medicinal Plants	6 months	

### Current courses in Liberal, Fine and Performing Arts

#### A. Current courses offered in liberal, fine and performing arts, tourism and hospitality

Sr. No.	Course	Duration	Offered by (Name of the University Department/College)
1	BFA (Applied Arts)	4 Year	M. J. College, Jalgaon
2	BFA (Applied Arts)	4 Year	Lalit Kala Mahavidyalaya, Jalgaon
3	M.A. (Instrumental (Tabala)	2 Years	School of Arts & Humanities, KBC NMU, Jalgaon
4	M.A. (Music)	2 Years	School of Arts & Humanities, KBC NMU, Jalgaon
5	M.A. (Vocal)	2 Years	School of Arts & Humanities, KBC NMU, Jalgaon
6	B.A. Additional (Music)	01 Year	School of Arts & Humanities, KBC NMU, Jalgaon
7	M.A. (Music)	2 Years	P. O. Nahata College, Bhusawal
8	M.A. (Music)	2 Years	M. J. College, Jalgaon

#### B. Details of centres set up for preservation/study/appreciation of local culture/history/art forms

Sr. No.	Name of the Centre	University departments/ Affiliated College	Existing/Proposed
1	Manuscript preservation and digitization	Knowledge Resource Centre, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Existing
2	Preservation and digitization of old books and manuscripts	Pratap Philosophy Centre, Amalner Sub-Campus of the university	Existing
3	Museum: Tribal Museum & Research Centre	Tribal Academy, Nandurbar	Proposed
4	Bahinabai Study & Research Centre	School of Thoughts, KBC North Maharashtra University, Jalgaon	Proposed
5	Diagnostic Natural Medicines Centre by tribal	Tribal Academy, Nandurbar	Proposed
6	Bhaskaracharya Ganit Nagari	Patana Devi, Chalisgaon	Proposed

॥ अंतरी पेटवू ज्ञानज्योत ॥



## Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

Umavi Nagar, Jalgaon – 425 001 (Maharashtra)  
Contact No.: 0257-2257221, 2258409  
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## One Year Perspective Plan (2019-2020 )

## 1. Executive Summary

The Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, established on 15th August, 1990 and started academic and administrative functioning from the academic year 1991-92. The jurisdiction of the University is extended over three districts i.e. Jalgaon, Dhule and Nandurbar, with 16.04%, 34.88% and 73.06% tribal population respectively in the Khandesh region.

Out of 215 affiliated colleges and institutes, **01** college is recognized as **College of Excellence**, **05** colleges have been identified as **College with Potential for Excellence** and **01** college has been granted autonomous status by the UGC, New Delhi and Government of Maharashtra. On the university campus, **13** Schools and **01** Institute are imparting education programmes. The University has re-accredited by NAAC with 'A' grade in 3<sup>rd</sup> cycle in 2015.

The Perspective Plan of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon has been developed taking into consideration its geographic location, local resources and needs, and the feedback of the stakeholders. During the period 2019-2024, **74** new colleges will be established, and major attention is given to tribal areas. Also, **04** Night colleges, **05** Women colleges, **32** Skill Development colleges, **08** Social work colleges, **08** Arts & Fine Arts colleges, 02 special B.Ed. colleges, **02** B.Sc. (Fashion Designing) colleges, **02** B.Sc. (Hotel/Hospitality Management) colleges, and **01** Law college are proposed in next five years.

University has planned to establish **01** conducted college at Molagi (Nandurbar). Furthermore, establishment of **01** Model college at Tokartalao (Nandurbar) under RUSA, Government of Maharashtra, is envisioned.

In the first year (2019-2020) new **15** Arts, commerce, science & Management colleges, 01 women's college, 01 Night college, 03 Social work colleges, 03 Arts and Fine Art Colleges, 07 Skill development colleges, 01 Law College, 01 Nursing college and 40 additional divisions are proposed.

With these initiatives, the university envisages increase in GER from **20.86** to **22.00** by 2020. It is also envisaged that, by 2020 every UG, PG program will have at least 01 skill based component to be introduced through CBCS mechanism. The university will establish an entrepreneurship and incubation centre by 2020. Ten incubate are already submitted their proposal. The university will generate revenue from analytical services, consultancy and industrial collaborations to the tune of Rs. 05 Lakhs by 2020. University propose to increase courses for mandatory internships/in-plant trainings, for fetching more placements opportunities to students.

## 2. Status of the action plan of the preceding yearly plans

*Nil (Since First Year Plan)*

## 3. Action plan proposed for the current year in the 5-year perspective plan

New 15 Arts, Commerce, Science & Management colleges, 01 Women's college, 01 Night college, 03 Social Work colleges, 03 Arts and Fine Art colleges, 07 Skill Development colleges, 01 Law College, 01 Nursing college and 40 additional divisions.

University has planned to establish 01 conducted college at Molagi (Nandurbar). Furthermore, the establishment of 01 Model college at Tokartalao (Nandurbar) under RUSA, Government of Maharashtra, is envisioned.

- ❖ Every year 03 new conventional courses will be started in the faculties of Science & Technology, Commerce & Management, Humanities and Interdisciplinary Studies.
- ❖ Every year 05 new skill-based B.Voc. Courses and 02 new Certificate Courses will be started at different affiliated colleges.
- ❖ Each UG and PG courses will have at least 10 % skill components in their curriculum.
- ❖ Every year 25 colleges would be NAAC accredited and attempts will be made to achieve 'A' grade for minimum 5 colleges.
- ❖ The university teachers are oriented to increase quality research papers by publishing minimum 10 % more papers each year.
- ❖ Every year university would file at least 2 patents.
- ❖ University buildings will be furnished with water harvesting to recharge the ground water in its sump well, bore well and wells to have self-sufficiency in water requirement by 2020.
- ❖ The university will have its Incubation Centre by 2019-20.

## 4. Action plan set for the current year

-NA-

## 5. Strategies and Modes of Implementation

### 5.1 New locations

#### 5.1.1 District wise new colleges

Arts, Commerce, Science & Management colleges

Districts	2019-20
Jalgaon	06
Dhule	05
Nandurbar	04
<b>Total</b>	<b>15</b>

### Location wise new colleges

Sr. No.	Districtwise No. of Colleges	Tahasil	Location for proposed Colleges	Proposed Colleges & Faculties Arts (A)/Commerce(C)/ Science (S)/ Management (M)				
				Total Colleges	A	C	S	M
1	2	3	4	5	6	7	8	9
1	Jalgaon	Jalgaon	Nashirabad	01	✓	✓	✓	
		Chopda	Ghodgaon/Galangi/Chhardi	01	✓	✓		
		Dharngaon	Bambhori Bk.	01	✓	✓	✓	
		Chalisgaon	Mehunbare	01	✓	✓	✓	
		Raver	Chinawal	01	✓	✓	✓	
		Yawal	Kingaon	01	✓			
2	Dhule	Dhule	Ner	01	✓	✓	✓	
			Mahindale	01		✓		
			Borkund	01	✓	✓	✓	
		Shirpur	Sangavi	01	✓	✓	✓	
		Shindkheda	Dhmane/Virdel/Bamhane	01	✓			
3	Nandurbar	Taloda	Pratappur	01	✓			
		Navapur	Khandbara	01	✓	✓	✓	
		Shahada	Toranmal	01	✓	✓	✓	
		Akkalkuwa	Molgi	01		✓	✓	
Total				15				

### 5.1.2 University conducted college

Tahsil/District	2019-20
<i>Molagi, Nandurbar</i>	01
<b>Total</b>	<b>01</b>

### 5.1.3 Model college

Location/District	2019-20
<i>Tokartalao, Nandurbar</i>	01
<b>Total</b>	<b>01</b>

### 5.1.4 District wise additional division for existing colleges, for year 2019-2020.

District	2019-20
Jalgaon	26
Dhule	11
Nandurbar	03
<b>Total</b>	<b>40</b>

### 5.1.5 Satellite Centres: Total: 01



**5.1.6 New Women's College Location: 01**

<b>Tehsil</b>	<b>Women's College</b>
Navapur/Taloda/Kakarda (Tribal Area)	01 College

**5.1.7 New Night Colleges Location: Total: 01**

<b>Districts</b>	<b>Locations Arts (A), Science (S) and Commerce (C)</b>
Jalgaon	01 College (Jalgaon, Bhusawal)

**5.1.8 New Social work colleges: Total: 03**

<b>District</b>	<b>Social Work College</b>
Jalgaon	01 College
Dhule	01 College
Nandurbar	01 College

**5.1.9 New Arts and Fine Art College Location: 03**

<b>Tehsil</b>	<b>Arts and Fine Arts College</b>
Chalisgaon	01 College (01Fine Arts)
Dhule	01 College (01Fine Arts)
Nandurbar	01 College (01Fine Arts)

**5.1.10 Skill development colleges location: Total :07**

<b>District</b>	<b>Skill development colleges</b>
Jalgaon	04
Dhule	02
Nandurbar	01
<b>Total</b>	<b>07</b>

**5.1.11 New Law college location:**

<b>Districts</b>	<b>Law colleges</b>
Nandurbar-Taloda/Akkalkuva	<b>01</b>

**5.1.12 New Nursing College: 01**

<b>Districts</b>	<b>Nursing college</b>
KBCNMU campus Jalgaon	01

**5.2 New courses**

Total **03** new conventional courses are proposed, along with **05** new skill-based B.Voc. courses, and **02** new skill-based Certificate courses.

**5.3 Modification/revision of the existing courses to make them orient to the objectives**

All Second year of UG courses will have at least one skill component which will be incorporated with CBCS.

Appropriate skills will be introduced through private skill providers.

University departments and selected affiliated colleges will get recognition as Vocational Training Institutes (VTI) under Skill Ministry of Government of Maharashtra.

## 5.4 Implementation of Choice Based Credit system

The CBCS pattern as per UGC norms has been implemented at UG courses (Arts, Science and Commerce) from 2018-19. In 2019-2020 skill based courses will be introduced to the second year of UG courses. The courses under choice based credit system will be identified as per the local job market needs, and skill requirement as per the natural resources, cultivation, preservation and processing for by-products. The step by step implementation for UG graduate courses is decided and accordingly the BOS are directed.

## 5.5 Train the trainers

University has signed a Capacity Building Transnational Co-operation Project, Erasmus + CABCIN. The Objective of the programme is “Establishment of Capacity Buildings Centres as a sustainable solution to raise the standards of teaching staff in Indian HEI’s (CABCIN). In the first year the implementation will be carried out to train the master trainers and the first phase of training to teachers will be started. The details of activities in first year will be as follows.

### A) Training of Master Trainer

- Assess Training Needs
- Set Organizational Training Objectives
- Create Training Action Plan
- Framing trainers curriculum
- Implement Training Initiatives
- Evaluate & Revise Training

### B) Implementation Phase1 – Training to teachers

- Assess Training Needs:
- Set Organizational Training Objective
- Create Training Action Plan
- Framing trainers curriculum
- Implement Training Initiatives
- Evaluate & Revise Training

## 5.6 Developing appropriate R&D culture

R&D areas identified are Agro-based Technologies, Industry based custom problem solving, Sustainable Energy related research, Environmental Impact assessment, Polymer Research, and Study and preservation of local and tribal dialects.

University wants to focus on use and applications of the locally available resource in the Khandesh region. Khandesh is known to produce almost 25 % of the banana of India and has much of the banana waste is available for disposal. Hence, banana agro-waste can be used for value addition in appropriate ways, which has potential to generate meaningful products and resources, and to generate employments as well. Environmental impact assessment has become the need of the time and has been the essential part of the companies to run and hence, is a good area of research and even to fetch revenue for the university. The identified research areas are based on the requirements of the local industry and also on utilization local resources.

## 5.7 Development of key research areas which bring national/international visibility

### Faculty- Science & Technology

#### • Water and Environment

1. Environmental monitoring and impact assessment for Khandesh region.
2. Prediction of local, atmospheric and metrological conditions for Khandesh region.



- **Sustainable Agriculture**

3. Plant tissue culture (PTC) for local plants of the region
4. Automation in crop disease identification for local farmers

- **Innovative Technology**

5. Bio-based Polymers: Self-healing and anti-corrosive coatings
6. Biometabolites

#### **Faculty- Commerce & Management**

- **Management and Marketing for Khandesh Region**

1. Agro Product Marketing and Management
2. Co-operative Banking
3. MSME entrepreneurship

#### **Faculty- Humanities**

- **Studies in Culture, History and Economics of North Maharashtra**

1. Natural language processing for local languages of North Maharashtra Region
2. Study of scripts, preservation of local dialects and expressive measures for its recognition.
3. Study of health and hygiene of tribal adolescent girls and implementation of measures to exterminate the fallacies

#### **Faculty- Interdisciplinary Studies**

- **Education and Development of Tribal**

1. Preservation of tribal resources and their utilization in education.
2. Sustainable development to empower tribal/rural region of Khandesh

### **5.8 Reforms in academic administration**

#### **5.8.1 e-governance**

Most of the administrative procedures are computerised and executed in online manner, university is under development of implementation of 100% e-governance in administration.

#### **5.8.2 Linkages of various departments. BOS, Academic Council and Affiliated colleges**

The university is having linkages with various academic authorities as well as sections of the university as per MU Act 1994, and in process of reformation in linkages as per Maharashtra Public Universities Act 2016.

#### **5.16.3 Digital Initiatives: Use of Swayam, NDL etc**

The SWAYAM coordinators at college level are nominated, and the process of registration in NDL is initiated. Other digital initiatives will be implemented as per the plan decided at university.

#### **5.8.4 Uploading awards in NAD, CDSL, NSDL**

To date 3,07,357 Degree Certificates from 1994 are uploaded. The schedule for NAD registrations of students is prepared and will be executed in the month of September 2018.

#### **5.8.5 Academic audit**

The second cycle of Academic Audit is scheduled this year for the affiliated colleges. Also, University Schools will be audited this year as per the schedule (Committees are already constituted for this purpose).

### **5.8.6 Sub-Centres and Autonomy to departments and colleges**

University has three sub-centres; Ekalavya Training Centre at Nandurbar, Gandhi Philosophy Centre at Dhule and Pratap Philosophy Centre at Amalner. The sub-centre at Amalner, is proposed to be developed as full-fledged sub-centre by establishing vocational courses.

University PG departments and UICT have been given academic flexibility. The NAAC A+ grade colleges will be encouraged to establish satellite centres as per the need analysis.

### **5.8.7 Keeping track of students going for higher studies**

University will keep track of online portal for students going for higher studies.

### **5.8.8 Keeping track of Alumni and strengthening Alumni Association**

The university portal will have sub portal for Central Alumni Association of the university.

### **5.8.9 Exam Reforms**

- 95% Recommendations of Rajesh Agrawal Committee are implemented.
- Onscreen evaluation of more than 5 Lakh answer book.

### **5.8.10 Smart Campus: Saving water/energy, generating energy, managing waste**

University is having internet facility, solar panels and LED lamps for hostels, departments and in campus. RO clean water plant is installed at Campus. The roof top solar power system will be established at all school's step by step in the university campus, with the support of M/s Jain Irrigations Systems Ltd., Jalgaon on BOT basis.

### **5.8.11 Reforms in financial management**

The 100% payments would be made through online payment gateway, and a strategy will be developed for 100% receipts through online mode.

## **5.9 Students' welfare and sports**

05 colleges would be encouraged for establishment of active Career Counselling and Guidance Cells. Hence, there will be enhancement in number of student beneficiaries.

The Life Skills and Value Education courses on Non-violence, Effective Communication, Interview Techniques, GST, Awareness of Moral and Ethical Values, Yoga & Meditation, Health & Hygiene, Human Rights Education etc. will be designed and sensitised among colleges for overall development of more students.

The 15 Centres for training in Competitive Examination would be established at all the NAAC accredited and Professional Colleges to increase student beneficiaries.

University will initiate 02 new conceptual Earn & Learn Schemes with financial support under CSR of the companies to increase beneficiaries.

## **5.10 Strengthening Linkages with local bodies and governmental schemes**

**School of Environmental Sciences:** The department will add the following schemes, (1) Environmental assessment (2) Green solutions, (3) Green Audit etc. with enhanced participation of faculty 07 and students 40.

**School of Chemical Sciences:** The department will add the following schemes, (1) Environmental assessment (2) Green solutions (3) Safer pesticides and applications, etc. with enhanced participation of faculty **05** and students **35**.

**Affiliated colleges:** The affiliated colleges will be sensitized and motivated to participate in the following schemes, (1) Jalyukt Shivar works, (2) RWS schemes, (3) Unnat Bharat Abhiyan, (4) Unnat Maharashtra Abhiyan, (5) Swachh Bharat, (6) GPDP preparation etc. with enhanced participation of **20** faculty and **2000** students.

### 5.11 Strengthening Linkages with industry

**School of Life Sciences:** The Department will develop partnership with industries pertaining to Bio-pesticides; Bio-Fertilizers, Pro-Biotic, Bio-degradable polymer, Milk products, etc. (for product/technology development/transfer) and Meat products, Micro-nutrients, Microbial analysis, Pharma industries etc. for consultancy.

**School of Chemical Sciences:** The Department will develop partnership with industries of Polymer Stabilizers, Polyurethane products, Pesticides, etc. (for product/technology development/transfer) and PVC additives, Coatings, Control release formulations etc. for consultancy.

**Institute of Chemical Technology:** The Department will develop partnership with industries Chemical engineering, Vegetable Oil, Paints, Plastics, etc. for product/technology development/transfer and Plastic analysis, Surface Morphological analysis, Pharmaceuticals, etc. for consultancy.

**School of Physical Sciences:** The Department will develop partnership with industries Solar energy harvesting, LED industries, Sensors, etc. for product/technology development/transfer and Analysis of Nano particles. Digital Electronics, etc. for consultancy.

**School of Environmental Sciences:** The Department will develop partnership with industries of Waste Management technology for product/technology development/transfer and Environmental Impact assessment, Noise Analysis, Analysis of water, etc. for consultancy.

**Affiliated Colleges:** The university will motivate and support the professional, science and commerce colleges to establish collaborations with industries, so that by 2020, at least 02 colleges will have linkages with industries for consultancy and services.

### 5.12 Strengthening Linkages with local regions

Currently the university has 02 cultural centres, Knowledge Resource Centre for digitization of old manuscripts on the campus and Pratap Philosophy Centre at Amalner. It is proposed to establish 02 new centres, namely, (1) Bhaskaracharya Ganit Nagari, Patanadevi, Chalisgaon (2) Bahinabai study and Research Centre, University Campus.

The university will have MoU with Rajwade Foundation, Dhule for establishment of 'Kala Dalan'. Arts Circles will be established for appreciation and study of culture, history and art forms. A Literary Forum of University is proposed for interaction of eminent local persons in the field of literature and art.

### 5.13 Strengthening Linkages with International/National/State level institutes/agencies

#### 5.13.1: International Universities/Institutes University

The University has active Linkages with the followings pertains to teaching, research and faculty & students exchange.

- Thibault of University of California, Santa Barbara, USA
- Bio Informatics Centre, Institute of Chemical Research, Kyoto University, Uji Campus, Kyoto, Japan
- Engineering & Physical Sciences Research Council, St. Andrews, Ireland.
- Wroclaw University of Technology, Wroclaw, Poland
- Bourns College of Engineering, University of California
- Centro de Enseñada Técnica Superior (CETYS University)

#### 5.13.2: National Universities/Institutes

The University has active National Linkages with the followings institutes.

- CSIR-National Environmental Engineering Research Institute, Nagpur
- Jain Irrigation System Ltd., Jalgaon
- Institute of Chemical Technology (ICT), Mumbai
- Rajiv Gandhi Science & Technology Commission (RGSTC), Mumbai
- Visvesvaraya National Institute of Technology, (VNIT), Nagpur
- Heubach Color Pvt. Ltd., Mumbai
- Nirmal Seeds Pvt. Ltd., Pachora
- Elite Football League India Pvt. Ltd., Pune

#### 5.13.3 RUSA

The University has received grants Rs. 15 crores for infrastructural development like construction of hostels, toilet blocks, ICT and Wi-Fi infrastructure, renovation of laboratories, sports infrastructure and one innovative research projects. The university has submitted the IDP proposal to RUSA, Mumbai for future overall development.

#### 5.13.4 TEQIP

The University Institute of Chemical Technology has received Rs. 17 crores in two phases for Research and Development, Faculty development, Infrastructure, ICT resources, Books and Journals and Fellowships etc. The TEQIP will be continued further to strengthen the basic research facilities at the university.

#### 5.13.5 RGSTC

Establishment of CILLAGE program of RGSTC, Mumbai is initiated to uplift the tribal people, which will help to improve GER in Nandurbar region.

#### 5.13.6 UGC/AICTE

Major and minor research projects by individual faculty and collaborative projects with National universities/institutes and R & D centres.

#### 5.13.7 DST/DBT/.....

Major and minor research projects by individual faculty and collaborative projects with National universities/institutes and R & D centres.

## 6. Deliverables

### Deliverables based on objectives from section 2

#### 2.1 Improvement in GER in a given region

- ✓ Every year, about 15 new colleges will be started and averagely 40 additional divisions will be recommended.
- ✓ Overall GER is predicted to be increased from 18.40 to 20.00.
- ✓ Specifically, the GER of tribal women is also predicted to be increased by 1 points.

#### 2.2 Improvement in inclusivity and equity

- ✓ Facilities for physically challenged students in 20% affiliated colleges will be increased.
- ✓ Total 4 schemes for special needs of tribal and disadvantage group will be initiated.
- ✓ There will be increase number of student beneficiaries upto 3000 by introducing new schemes.
- ✓ 01 New Colleges for Women will be started.
- ✓ 20 Equal opportunity cells in the jurisdiction will be established.

#### 2.3 Improving quality and delivery of education

- ✓ NAAC accreditation of 25 eligible colleges will be attempted.
- ✓ 20 Colleges with 'A' grade by 2024 is the goal of university.
- ✓ Completion of second cycle of academic audit of 75+ affiliated colleges.
- ✓ 01 Sub-campus will be established.
- ✓ Autonomy will be granted to 01 colleges and remaining university departments.
- ✓ 01 Satellite centres of affiliated college will be started.

#### 2.4 Developing R&D partnership with industry

- ✓ Partnership of University and Colleges with 25 industries will be attempted, which results in the engagement of 14 faculty members and 25 students.
- ✓ Revenue generation Rs. 05 lakhs through analytical services, consultancy and industrial collaborations will be envisaged.
- ✓ 10% Increase in job opportunities for students is the objective of the university.
- ✓ 03 Patents/copyrights will be filed.

#### 2.5 Engagement with regional economic development and aspirations

- ✓ Participation of 20 % UG and PG student through compulsory internships/field work in regional economic development will be goal of the university.
- ✓ 25 Teachers from Colleges with various Government Social Programs will be engaged.
- ✓ 400 Students participation with 25 faculty members in terms of technical/knowledge/services to local communities/MSMEs/SHGs.

#### 2.6 Development of skills and entrepreneurship

- ✓ 05 Skill based B.Voc. courses including entrepreneurship courses and 02 skill certificate courses will be added.
- ✓ At least one skill component for UG and PG programs under CBCS will be made compulsory.
- ✓ 50,000 student beneficiaries of Central Training Placement Cell in association with College Placement cells is the goal.
- ✓ 20 % mandatory internship program for UG and PG students.

## **2.7 Making the university a cultural powerhouse in a region**

- ✓ Bahinabai study and Research Centre will be established.
- ✓ Bhaskaracharya Ganit Nagari will be established.
- ✓ MoUs with Rajwade Foundation will be signed for preservation, appreciation of documents.

## **2.8 Focus on student welfare**

- ✓ 10 Career counselling and guiding centres will be added.
- ✓ 20 Competitive Examination Centres will be added.
- ✓ Increment in life skills and value education courses to 35.
- ✓ New 02 schemes under 'Earn and Learn' will be initiated.

## **2.9 Achieving excellence in sports**

- ✓ Student's participation in Sports at National/International events will be increased.

## **2.10 Academic leadership in national and global contexts**

- ✓ NIRF ranking in the band of 50-100 will be achieved.
- ✓ Preparation for ranking at Asia and World level, the university will be prepared for participation.

## 7. Specific suggestions to help implement the plan

Issues/Problems	Suggestions
Low GER ratio in backward hilly areas. Lack of technical and professional colleges at Nandurbar districts.	The State Government shall start granted professional and technical colleges in such regions. Because in this region, most of families are under Below Poverty Line.
NAAC & NBA accreditation colleges have low numbers.	The State Government shall made special efforts for filling-up of vacant and adequate new teaching posts to improve student-teacher ratio. Government shall make compulsion to all colleges for accreditation process.
Low numbers of placement cell	Course wise ONLINE Employability skill test should be conducted by MHRD, to aware the students about skills and employment.
Low number of liberal, fine and performing arts, courses.	New proposal covers the courses to be started at various locations in the jurisdiction.
Low Achieving Excellence in sports at National and International level	The State Government shall give special financial support and facilities for colleges in rural and tribal areas and sports facilities.
Low number of patents /IPRs	The State Government and university shall give financial assistance to faculties for research patent filling and fellowships for research students.
Low number of Academic Leadership in national and global ranking.	The State Government and university shall facilitate for getting higher ranking and provide international linkages for enhancing corporate culture in higher education.
Low number of research labs and incubation centres at college level.	The State Government shall give special assistance for research laboratories and incubation centres at colleges.

## 8. Approvals

The perspective plan of one year (2019-2020) of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon has been prepared by the Board of Deans and the Committee constituted by Hon'ble Vice-Chancellor, and is approved by Hon'ble Vice-Chancellor on behalf of Board of Deans, Academic Council, Senate and Management Council of the University, to submit it to the Director, Higher Education and Government of Maharashtra.

Date: 05/09/2018

(Prof. P. P. Mahulikar)  
Pro-Vice Chancellor  
Kavayitri Bahinabai Chaudhari  
North Maharashtra University, Jalgaon

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