SELF STUDY REPORT

FOR

3rd CYCLE OF ACCREDITATION

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, JAISINGAPURA,
NEAR SONERI MAHAL,
431004
www.bamu.ac.in

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Dr. Babasaheb Ambedkar Marathwada University (**BAMU**), formerly **Marathwada University**, is located in Aurangabad, Maharashtra. Shri Jawaharlal Nehru, the first Prime Minister of India, inaugurated the then Marathwada University on 23rd August, 1958. The NAAC Re-accredited the University with 'A' grade in 2013. The University secured 87th NIRF rank in 2016 and ranked in the band of 101 to 150 in 2017 and 2018.

The University campus is sprawled across 725 acres with a picturesque background of hills embedded with Aurangabad caves. University has a 22-acre satellite campus at Osmanabad and a Marine Research Station at Ratnagiri in West Coast.

Symbolizing the truest essence of universal knowledge dissemination, the Campus provides 52 completely ICT enabled academic Departments for research directed training; whereas Deen Dayal Upadhyay KAUSHAL Kendra, imparting skill based education to enhance employability through technically empowered youth; on one hand, while on the other, RUSA- Centre for Advanced Sensor Technology and Paul Herbert Centre for DNA Barcoding & Biodiversity studies marks the international standards of research at scientific horizons. The National Resource Centre is approved by MHRD for imparting training to the teachers.

The University Grants Commission has provided financial assistance to five Departments under support scheme of UGC-SAP. Similarly, Department of Science and Technology, Govt. of India (DST-FIST) have also provided financial assistance to four Departments. Moreover, Centre with Potential for Excellence in Particular Area sanctioned by UGC in the area of Rural Development to Department of Economics, Sociology and Political Science. University faculty members have published around 1800 research papers in National / International journals of repute. University has 02 patents granted, 05 published and 16 submitted during last five years.

University has established Bajaj Incubation Centre and Atal Incubation Centre to motivate students and faculty members for idea generation and converting their ideas into commercially viable product(s) so that spin-offs and start-ups can be generated. Moreover, Government of Maharashtra has also sanctioned Incubation Centre with total outlay of Rs, 5.0 Cr. The Ramanujan Geospatial Chair and Maulana Azad Chair were established to promote high-end research in specialized areas. University regularly organizes community engagement programmes and extension activities.

Vision

To structure the Dr. Babasaheb Ambedkar Marathwada University, Aurangabad to be an Epitome of Excellence by creating and imparting time responsive Quality Education to address Changing Scenario, keeping Research and Development at its core, for 'Anyone' at 'Anytime' and 'Anywhere'.

Mission

- To provide a platform for rural, women, socially disadvantaged and differently-abled groups to achieve Academic Excellence with in-built Employability.
- To carve out a fusion between Academics and Industry with an ultimate aim to identify the gaps and accordingly, design the courses to impart skill based education as per the requirements of the region so as to improve employability and develop entrepreneurial capabilities.
- To provide student centric learning environment and to establish platform for inclusive research leading to the development of creative thought process amongst research scholars keeping in mind societal needs.
- Nurturing innovative ideas shaping into products facilitating the spinoff and creating awareness to protect Intellectual Property (IP).
- To adopt a perennial process for bringing in excellence in teaching pedagogy by providing ICT based state-of-the-art infrastructural facilitation.
- To impart value added, culturally rich education by adoptingthe local to global approach
- To provide an academic corridor for cordial connectivity between the University and its affiliates.
- To ensure good Governance inculcating 'Accountability' based on 'Self-evaluation' amongst all the stakeholders of the University.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Campus with natural beauty sprawled across 725 acres with a picturesque background
- Catering to socially and economically deprived students providing higher education at affordable cost
- Excellent blend of cutting-edge and traditional academic programme
- Committed and proactive teaching and administrative staff working in 52 departments
- Academic Autonomy to all Departments since 2006-07 with CBCS for all UG and PG programme in the campus since 2011-12.
- OBE (Outcome Based Education) curriculum for most of the academic programme
- Adequate number of Major Research Projects supported by UGC, DST, DBT, CSIR, DRDO, DAE-BRNS, AICTE etc
- Research Centers viz. RUSA- Centre for Advanced Sensor Technology andPaul Herbert Centre for DNA Barcoding & Biodiversity Studies with state-of-the-art infrastructure
- The Bajaj Incubation Centre, Atal Incubation Centre and MSInS Incubation Centre supported by Govt of Maharashtra
- State-of-the-art facilities in the cutting-edge areas in most of the Science Departments
- More than 800 research papers in SCOPUS indexed Journals during last five years
- 02 granted, 07 published and 15 submitted patents during last five years
- 93 Functional MoUs with national/international research bodies / institutions
- Nodal Centre for EUPHATES (Erasmus + Mundus) programme of European Universities
- Dedicated University Industry Interaction Cell (UIIC), Training and Placement Cell , 'Avishkar' and IPR Cell
- Ramanujan Geospatial Chair and Maulana Azad Chair to promotes high-end research in specialized areas
- Trend setter in Skill based Education; B.Voc and M. Voc in Industrial Automation and Automobile Technology
- One of the best Knowledge Resource Centre (Central Library) in the country
- 285 state / national awards for sports (including basketball, football, cricket, gymnasium, swimming,

- tennis, etc.) and cultural activities
- Highest number of Rajiv Gandhi Fellowships and NET JRF qualified candidates
- 'Earn While Learn' Scheme to support economically under privileged students
- Dedicated Centre (UNIC) for Networking, data management, university website maintenance and IT Management
- Vibrant IQAC Cell
- National Resource Centre (NRC) approved by MHRD for Science & Technology with special emphasis on Computer Science & IT.
- Instituted 13 Study Centres (Chairs) for community engagement programmes
- 50% graduate outcome (As expected by UGC : Quality Mandate)

Institutional Weakness

- Vacant teaching positions
- Less number of out of state teachers against sanctioned posts
- Limited funding by the non-government sources such as industry, corporate houses, international bodies, endowments
- Less demand ratio for some of the social science programmes
- Limited number of teachers are generating revenue under consultancy
- Limited number of academic Departments using LMS
- Limited financial contribution by Alumni

Institutional Opportunity

- Expansion of buildings for new Academic Departments and Research Centers at main campus as well satellite campus at Osmanabad
- Improvisation of social and economic status of the socially and economically disadvantaged group of the students through employability focused courses having combination of cutting-edge technology and local needs
- Tapping more funding under various schemes of UGC, DST, CSIR, DRDO, DAE-BRNS, AICTE / Ministry of Environment & Forest, Ministry of Food Technology, MODROBS, ICSSR, UGC-SAP and DST-FIST etc
- Initiation of multidisciplinary academic programme by forming various academic clusters in the University campus
- Seeking grants under the scheme of Centre with Potential for Excellence in Particular Area by forming clusters in the University, based on research strength of various Departments
- Generation of more number of IPR through University students and faculty members
- Tapping funding from national and international funding agencies under various collaborative schemes
- Attracting more number of foreign students for various PG and research programme in the University campus through student exchange programme
- Identification of societal issues and problems in the Industries and encouraging students and faculty members to address these issues through their well-planned research initiatives
- Arranging more number of 'Training of Trainer' program and faculty exchange with Industries
- Entrepreneurship Development
- Generation of revenue through Alumni Association

Institutional Challenge

- Keeping pace with changing technology and pedagogical innovations in teaching learning process and research
- Timely recruitment of teachers against sanctioned posts
- Attracting faculty from other states for recruitment in the University for various positions (Professor / Associate Professor / Assistant Professor)
- Attracting students for some of the social science programme
- Attracting students from out of the states and country
- Generating revenue under consultancy and corporate training
- Making 100 % digital university

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

University has strong focus on OBE in most of the programme and courses having well-defined PEOs, POs, PSOs and COs aligned with Departments, University vision and mission. Programme and courses have been designed by keeping pace with recent developments in the respective discipline at local/regional/national and global level. Stakeholders' feedback have been used for introduction of new courses / programme and regular revision in the curriculum.

University has given academic autonomy to all departments. The Choice Based Credit System (CBCS) with cafeteria approach was implemented since 2011-12 having excellent combination of core, foundation, elective courses for enhancing academic acumen, employability and entrepreneurial skills of the students. Industry specific programmes (skill based courses) are offered in collaboration with many local Industries through initiatives of University Industry Interactions Cell (UIIC). University is well connected to the Industries through CMIA, CII and MASSIA for internships, field projects and in-plant training.

Courses relevant to Gender sensitivity, Professional ethics, Human Values, Environment and sustainability and Community Outreach are integrated in most of the programmes. The course on 'Constitution of India' is made mandatory for all PG programme. Subject specific value-added courses and value added courses for enhancing soft skills of the students like Communication Skills, Personality Development are imparted for holistic development of students.

Incorporation of about 25% research based courses in the curriculum of all PG programme have motivated students towards research resulting in research publications, innovations and patents.

This University is a Nodal Centre for EUPHATES (Erasmus + Mundus) programme of European University through which many PG / research students and faculty members have visited European Universities for short term programme during last five years.

Stakeholders' feedback and students' performance analysis in OBE curriculum serve as input for continuous improvement in the curriculum of all Programme.

Teaching-learning and Evaluation

This university caters to the varied learning needs of student community from diverse geographical regions/ethnicity, socially and economically disadvantaged groups to achieve academic excellence with in-built employability by providing adequate support. Reasonably good demand ratio for most of the academic programmes indicates popularity of the university in terms of its state-of-the-art infrastructure, research focus, innovative programmes, quality of teaching-learning, linkages, and resources.

University conducts aptitude assessments and offers formal/ informal bridge courses, and remedial courses to support slow learners. Advanced learners are encouraged to engage in scholarly activities. Student-faculty ratio is optimally maintained to facilitate student centric learning environment. Physical infrastructure of the University is ensured to be disabled friendly by providing ramps, washroom facility etc.

Student-centric learning environment provides appropriate pedagogy for participative/ collaborative and experiential learning.

Adoption and implementation of ICT and e-resources by faculty members of some of the Departments to make teaching more effective. ICT is integrated in teaching through LMS and MOOC courses to enhance students' experience. Mentor-mentee scheme is implemented in the University to nurture the students to achieve their academic goals and address their academic and non-academic issues. University ensures adequately qualified and experienced faculty, many of whom are recipients of state, national and international awards and accolades for their academic and research excellence.

University has fully automated examination system from registration of students to declaration of results. University has highly transparent evaluation system in which assessed answer scripts are shown to the students and their grievances (if any) are resolved at department level. Declaration of examination result is strictly as per academic calendar of the university and respective department. Programme and Course Outcomes are assessed using direct/indirect methods to identify educational and operational gaps and to propose action plan for further improvement in the strategic planning.

Students' feedback is used to update and improve teaching pedagogy and learning processes.

Research, Innovations and Extension

Research and Innovation activities are governed by Research Policy, displayed on University website and communicated to all. Research Planning & Monitoring Committee (Research Committee) under the leadership of Vice Chancellor and Pro-Vice Chancellor evaluates progress of funded projects through subject experts as mentors for better research outcome. Seed money in the form of Minor Research Projects is provided to young faculty. University has 61 research projects funded by major funding agencies including UGC, CSIR, AICTE, ICSSR, DST, DRDO, BRNS, UGC-CSR, DBT etc with total outlay of *Rs.* 10.4 Cr during last five years. Five departments have been supported under UGC-SAP, four departments have been supported under DST-FIST and three Departments have been supported under UGC scheme of Centre of Excellence for Particular Area with total outlay of Rs 21.7 Cr. University has established Deen Dayal Upadhyay KAUSHAL Kendra, which is sanctioned by UGC. The University has also established Research Centres namely RUSA - Centre for Advanced Sensor Technology and Centre for DNA Barcoding and Biodiversity Studies to strengthen the research culture in the campus. University has set up Bajaj Incubation Centre and Atal Incubation Centre with emphasis on entrepreneurship and start-ups. Moreover, Government of Maharashtra has sanctioned Incubation Centre with total outlay of Rs, 5.0 Cr. Avishkar research competition is regularly organized by the university to promote the research culture.

A dedicated IPR cell is established to help faculty for patent filing and commercialization. 02 patents have been granted, 05 published and 16 have been submitted during last 5 years.

University promotes faculty engagement in authoring books, publications, newsletters, organizing seminars, conferences, workshops, consultancy and training. More than 1800 number of research articles have been published by faculty members in SCOPUS Indexed, PubMed, Indian Citation Index and UGC notified journals during last five years.

University follows policy Guidelines for Plagiarism prevention using '*URKUND* Plagiarism Software'. University conducts number of extension programmes like blood donation, health check-ups, field training programme for farmers, environmental awareness workshops, spcial teaching to underprivileged students, working with NGOs etc.

University has established 93 functional MoUs with national/international institutions/universities/ industries, corporate houses for academic and research collaborations.

Infrastructure and Learning Resources

University has state-of-the-art physical infrastructure, technical infrastructure, learning resources including ICT enabled classrooms, seminar halls, fully equipped laboratories, computer labs, Knowledge Resource Centre (KRC) and other support facilities. University has substantial infrastructure for sports and other extracurricular activities including 400 Mtr. Standard Athletic Track (10 lanes), Football Stadium, Kho-Kho Courts, Volleyball Courts, Kabaddi Courts, Basketball Court, Tennis Court, Hockey and Cricket stadium, Multipurpose Hall, Badminton Courts, Swimming Pool, Gymnasium etc.

University has one of the best Knowledge Resource Centres (Central Library) in the country with 1.37 lakhs e-books, 3.25 lakhs books (hard copy), 40,890 e-journals, more than 5000 thesis under 'Shodh Ganga' (5th rank in India for Ph. D thesis uploads in 2017),Access to Plagiarism check software, Remote Access Facility of e-resources through which student can have access to more than 40,000 e-journals, more than 30,00,000 e-books, and 35 various e-data bases which is unique in the State of Maharashtra. Budget for infrastructure, library and other learning resources is earmarked annually based on the recommendations of respective committees constituted for the purpose.

Faculty is encouraged to use e-resources including LMS, MOOCs etc. University Network Information Centre (UNIC) monitors the overall functioning of IT resources (hardware and Software) Review and upgradation of IT infrastructure is carried out annually and accordingly annual budgetary plan is prepared for approval of university finance committee. University has established Digital Monitoring Cell to ensure digital transfer of cash transactions.

University maintains adequate student computer ratio with over 1 GBPS bandwidth for internet connection.

Feedback of stakeholders about physical infrastructure, technical infrastructure and learning resources is continuous process for ensuring their satisfaction. Accordingly, continuous review of infrastructure and learning resources is carried out by respective committees and the recommendations are integrated in the Annual Planning for upgrading, maintaining and optimal utilization of physical, academic and support facilities.

Student Support and Progression

University has well established student support system for financial assistance, capability enhancement/development, progression, placement, alumni engagement etc. University provides student scholarships annually to meritorious, and economically weaker (wards of farmers and farm labourers) students. Students are also kept updated about scholarships through prospectus and many students are benefited with such scholarships. University has a robust system to provide support to students for grooming, skill development, career counselling for higher education, competitive exams, placements and entrepreneurship through:

- Training and Placement Cell

- University-Industry Interaction cell

- Centre for International Relations

- Foreign Student Cell

- Student Welfare Cell,

- Value addition courses for soft skill development through IQAC

- Earn while learn scheme

Mechanism for identification of slow learners and advanced learners is in practice and slow learners are supported through bridge courses, remedial coaching and mentoring.

Foreign student cell has been established to take care of international students and provide adequate support during their studies. Student grievances are addressed at various levels both in person and through online / offline suggestion/complaint system resolving the students' issues. Training and Placement Cell and University-Industry Interaction Cell maintain strong relationship with industry and support students in placement. Student progression and placement is reviewed annually. Students are actively participating in various cultural and sports activities at Department as well as University level. Moreover, students' participation in intra and inter-university sports competitions and cultural activities is phenomenal. Many students (285) have won state/National awards in various sports and cultural activities during last five years. University has very strong list of Alumni (honouring highly esteemed positions) that includes Sukhadeo Thorat (former UGC Chairman), Nirupama Rao (former Foreign Secretary), Sunil Gaikwad (MP), Madhusudan Manikrao Kendre, Varsha Usgaonkar (Marathi Film Actress), Yogesh Shirsath (Marathi Film Actor), Janardan Waghmare (Former Vice Chancellor of SRTM University, Nanded) etc. Most of them are actively involved in overall development of University.

Governance, Leadership and Management

University has qualified and competent administrative staff to provide effective governance, leadership and management at all levels of its operations and execution. University ensuresthe inclusiveness of all faculty members in various committees and decentralization in all levels of administration.

As per provision(s) of University Act, organisational structure is well-defined and as per Statutes and Ordinances, University ensures participative management for effective decision making. As a part of e-governance, University has automated most of the processes for transparent governance. Well documented short term, medium term and long term strategic plan aligned with University's Vision, Mission is in place and is deployed across the University. University organizational structure helps in sustaining institutional capacity and education effectiveness through involvement of stakeholders in Committee/ Boards at various levels. The minutes of the meeting of all the meetings of various committees are communicated and maintained. Service rules, employee welfare schemes, promotion systems etc. are well defined. The University provides adequate support to the faculty for professional development for attending national / international conferences / workshops. Professional Development Programmes for teaching and non-teaching staff are organised at University and Department level based on the training need analysis done by respective authorities of the University.

The University has a well-structured Performance Based Appraisal System (PBAS) for teaching and nonteaching staff for timely promotion. The resource mobilisation is through fee deposits, projects, sponsorship, donations, consultancy etc. The compliance of academic and administrative procedures and their continual improvement is ensured through systematic audit by IQAC.

IQAC has both internal and external members to review the academic and support systems.

As an outcome of continuous efforts towards quality improvement, faculty members (teaching and administrative) of this University have received awards by prestigious national and international agencies which indicates their commitment and accountability to provide quality education.

Institutional Values and Best Practices

University is sensitive to gender equity and parity. Sensitisation programmes are organised regularly by Tarabai Shinde Women Study Centre along with other Departments. Safety and security, common room, counselling facilities are provided to girl students and female staff members as well.

Vishakha Committee (Internal Complaints Committee) ensures fast decisions in case of sexual harassment issues. University has 05 solar rooftop plants with 4,59,064 KWh, capacity and using 33% LED bulbs. Energy consumption is continuously monitored for improvement.

University is committed to adopt environment-friendly policies with regard to tree plantation, waste management, use of solar water heating system, use of renewable energy resources, and water harvesting. University has elaborate network of 43 wells and 17 pits and implemented 'Jalayukta Shivar Yojana' for rainwater harvesting across the campus. University campus is eco-friendly, Green and Clean. Budget for green initiatives/activities is allocated annually.

University has total commitment to differently abled students and provides facilities like ramps, special washrooms and reserved space in Library etc.

University contributes to community development through various activities in collaboration with hospitals, NGOs, Rotary Clubs etc. Code of conduct for students, teaching and administrative staff is in place. University's core values are available on website and lay significant emphasis on ethics, values and community engagement.

University celebrates all important days of national/international importance and conducts large number of activities to promote universal values. University maintains complete transparency by involvement of all stakeholders in financial, academic, administrative and auxiliary functions. This University is trend setting in Skill based Education, B.Voc and M. Voc Industrial Automation and Automobile Technology. 'Earn While Learn' Scheme is implemented in the University since 1979. University has initiated many Programmes to address local community and most of them are in tune with local advantages and disadvantages.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the University	
Name	DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
Address	Dr. Babasaheb Ambedkar Marathwada University, Jaisingapura, Near Soneri Mahal,
City	Aurangabad
State	Maharashtra
Pin	431004
Website	www.bamu.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
IQAC Coordinator	M. D. Shirsat	0240-2403205	8805496027	0240-2403335	mdshirsat@gmail.com
Vice Chancellor	B. A. Chopade	0240-2403112	9049483914	0240-2403111	director.iqac@bamu.ac.in

Nature of University	
Nature of University	State University

Type of University	
Type of University	Affliating

Establishment Details	
Establishment Date of the University	23-08-1958
Status Prior to Establishment,If applicable	

Recognition Details
Date of Recognition as a University by UGC or Any Other National Agency :

Under Section	Date	View Document
2f of UGC	23-08-1958	[View Document](#)
12B of UGC	23-08-1958	[View Document](#)

University with Potential for Excellence	
Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC?	Yes

Location, Area and Activity of Campus

Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.	Programmes Offered	Date of Establishment	Date of Recognition by UGC/MHRD
Main campus	Dr. Babasaheb Ambedkar Marathwada University, Jaisingapura, Near Soneri Mahal,	Urban	725	39033	UG, PG, M.Phil, Ph.D, PG-Diploma, Diploma, Certificate Course		
Off Campus	*Sub-campus, Midc Area, Dr. Babasaheb Ambedkar Marathwada University, Osmanabad-413 501*	*Rural*	*60*	*4681.5*	*PG, Ph.D*	*14-08-2004*	*15-08-2004*
Off	*Center*	*Rural*	*2.1*	*4500*	*Research*	*23-08-1972*	*24-08-1972*

Campus	For Coastal And Marine Biodiver sity, Dr. Babasah eb Ambe dkar Ma rathwad a Unive rsity, Bhatye, Ratnagi ri-415 612.				Activities		

2.2 ACADEMIC INFORMATION

Affiliated Institutions to the University

Type of Colleges	Permanent	Temporary	Total
Universal/Common to All Disciplines	80	339	419

Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	1
Affiliated Colleges	419
Colleges Under 2(f)	108
Colleges Under 2(f) and 12B	108
NAAC Accredited Colleges	100
Colleges with Potential for Excellence(UGC)	6
Autonomous Colleges	1
Colleges with Postgraduate Departments	146
Colleges with Research Departments	22
University Recognized Research Institutes/Centers	22

Is the University Offering any Programmes Recognised by any Statutory	: Yes

Regulatory Authority (SRA)

SRA program	Document
AICTE	14385_2159_1_1535117137.pdf
NCTE	14385_2159_4_1535117336.pdf

Details Of Teaching & Non-Teaching Staff Of University

Teaching Faculty												
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned				35				80				144
Recruited	8	2	0	10	34	8	0	42	68	28	0	96
Yet to Recruit				25				38				48
On Contract	0	1	0	1	1	2	0	3	31	15	0	46

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned				512
Recruited	262	72	0	334
Yet to Recruit				178
On Contract	437	88	0	525

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned				265
Recruited	157	17	0	174
Yet to Recruit				91
On Contract	0	0	0	0

Qualification Details of the Teaching Staff

Permanent Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	8	2	0	33	8	0	60	26	0	137
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	8	3	0	11

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	1	0	1	2	0	18	8	0	30
M.Phil.	0	0	0	0	0	0	12	8	0	20
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Distinguished Academicians Appointed As

	Male	**Female**	**Others**	**Total**
Emeritus Professor	1	1	0	2
Adjunct Professor	9	0	0	9
Visiting Professor	0	0	0	0

Chairs Instituted by the University

Sl.No	Name of the Department	Name of the Chair	Name of the Sponsor Organisation/Agency
1	Department of Computer Science and Information Technology	Shrinivasa Ramanujan Chair	Government of India New Delhi
2	Department of English	Maulana Azad Chair	UGC New Delhi
3	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Dr. Ambedkar Study Centre	Dr. Babasaheb Ambedkar Marathwada University Aurangabad
4	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Chhatrapati Shivaji Maharaj Study Centre	Dr. Babasaheb Ambedkar Marathwada University Aurangabad
5	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Rajarshi Shahu Maharaj Study Centre	Dr. Babasaheb Ambedkar Marathwada University Aurangabad
6	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Mahatma Phule Study Centre	Dr. Babasaheb Ambedkar Marathwada University Aurangabad
7	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Gautam Buddha Study Centre	Dr. Babasaheb Ambedkar Marathwada University Aurangabad
8	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Mahatma Gandhi Study Centre	Dr. Babasaheb Ambedkar Marathwada University Aurangabad
9	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Annabhau Sathe Study Centre	Dr. Babasaheb Ambedkar Marathwada University Aurangabad
10	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Balasaheb Pawar Study Centre	Dr. Babasaheb Ambedkar Marathwada University Aurangabad
11	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Bhagat Singh Study Centre	Dr. Babasaheb Ambedkar Marathwada University Aurangabad
12	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Tarabai Shinde Womens Study Centre	Dr. Babasaheb Ambedkar Marathwada University Aurangabad
13	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Rural Problem Study Centre	Dr. Babasaheb Ambedkar Marathwada University Aurangabad

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Provide the Following Details of Students Enrolled in the University During the Current Academic Year

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
PG Diploma recognised by statutory authority including university	Male	28	0	0	0	28
	Female	57	2	0	2	61
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	216	0	0	49	265
	Female	174	0	0	12	186
	Others	0	0	0	0	0
Diploma	Male	47	0	0	1	48
	Female	26	0	0	0	26
	Others	0	0	0	0	0
Certificate	Male	126	0	0	1	127
	Female	84	0	0	0	84
	Others	0	0	0	0	0
Pre Doctoral (M.Phil)	Male	186	6	0	0	192
	Female	172	2	0	0	174
	Others	0	0	0	0	0
UG	Male	513	0	0	0	513
	Female	139	0	0	0	139
	Others	0	0	0	0	0
PG	Male	1802	25	0	28	1855
	Female	1285	13	0	2	1300
	Others	0	0	0	0	0

Does the University offer any Integrated Programmes?	No

Details of UGC Human Resource Development Centre, If applicable

Year of Establishment	01-10-1987
Number of UGC Orientation Programmes	23
Number of UGC Refresher Course	66
Number of University's own Programmes	65
Total Number of Programmes Conducted (last five years)	154

Accreditation Details

Cycle Info	Accreditation	Grade	CGPA	Upload Peer Team Report
Cycle 1	Accreditation	75.05	B+	Peer Team Report 2002.pdf
Cycle 2	Accreditation	3.07	A	Peer Team Report 2013.PDF
	Accredation			

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Deen Dayal Upadhyay Kaushal Kendra	[View Document](#)
Department Of Biochemistry	[View Document](#)
Department Of Biotechnology Sub Campus	[View Document](#)
Department Of Botany	[View Document](#)
Department Of Chemical Technology	[View Document](#)
Department Of Chemistry	[View Document](#)
Department Of Chemistry Sub Campus	[View Document](#)
Department Of Commerce	[View Document](#)
Department Of Computer Science And Information Technology	[View Document](#)
Department Of Dance	[View Document](#)
Department Of Dramatics	[View Document](#)
Department Of Economics	[View Document](#)
Department Of Education	[View Document](#)
Department Of Education Sub Campus	[View Document](#)
Department Of Electronics	[View Document](#)
Department Of English	[View Document](#)
Department Of English Sub Campus	[View Document](#)
Department Of Environmental Science	[View Document](#)
Department Of Fine Arts	[View Document](#)
Department Of Geography	[View Document](#)
Department Of Hindi	[View Document](#)
Department Of History And Ancient Indian Culture	[View Document](#)
Department Of Law	[View Document](#)
Department Of Liberal Arts	[View Document](#)
Department Of Library And Information Science	[View Document](#)
Department Of Life Long Learning Education And Extension	[View Document](#)
Department Of Management Science	[View Document](#)

Department Of Management Science Sub Campus	[View Document](#)
Department Of Marathi	[View Document](#)
Department Of Mass Communication And Journalism	[View Document](#)
Department Of Mathematics	[View Document](#)
Department Of Microbiology Sub Campus	[View Document](#)
Department Of Music	[View Document](#)
Department Of Nanotechnology	[View Document](#)
Department Of Pali And Buddhism	[View Document](#)
Department Of Physical Education	[View Document](#)
Department Of Physics	[View Document](#)
Department Of Political Science	[View Document](#)
Department Of Printing Technology	[View Document](#)
Department Of Psychology	[View Document](#)
Department Of Public Administration	[View Document](#)
Department Of Sanskrit	[View Document](#)
Department Of Social Work	[View Document](#)
Department Of Sociology	[View Document](#)
Department Of Statistics	[View Document](#)
Department Of Tourism Administration	[View Document](#)
Department Of Urdu	[View Document](#)
Department Of Water And Land Management Sub Campus	[View Document](#)
Department Of Yoga	[View Document](#)
Department Of Zoology	[View Document](#)
Tarabai Shinde Womens Study Center	[View Document](#)

3. Extended Profile

3.1 Program

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
71	68	65	67	65

File Description	Document
Institutional Data in Prescribed Format	[View Document]()

Number of departments offering academic programes

Response: 52

File Description	Document
Institutional Data in Prescribed Format	[View Document]()

3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3463	3563	3430	3294	3457

File Description	Document
Institutional Data in Prescribed Format	[View Document]()

Number of outgoing / final year students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1253	1292	1391	1391	1413

File Description	Document
Institutional Data in Prescribed Format	[View Document]()

Number of students appeared in the examination conducted by the Institution, year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1652	1736	1751	1705	1651

File Description	Document
Institutional Data in Prescribed Format	[View Document](#)

Number of revaluation applications year-wise during the last 5 years

2017-18	2016-17	2015-16	2014-15	2013-14
17	81	60	104	161

3.3 Teachers

Number of courses in all programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2568	2508	1748	1667	1368

File Description	Document
Institutional Data in Prescribed Format	[View Document](#)

Number of full time teachers year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
198	210	221	228	230

File Description	Document
Institutional Data in Prescribed Format	[View Document](#)

Number of sanctioned posts year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
259	259	259	259	259

File Description	Document
Institutional Data in Prescribed Format	[View Document](#)

3.4 Institution

Number of eligible applications received for admissions to all the programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6060	5117	5181	4277	4677

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1646	1611	1552	1577	1520

File Description	Document
Institutional Data in Prescribed Format	View Document

Total number of classrooms and seminar halls

Response: 190

Total number of computers in the campus for academic purpose

Response: 1152

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
4824.10	4903.40	4964.36	4834.79	5012.24

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed /adopted have relevance to the local/ national / regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all the program offered by the University

Response:

As per University Regulations *Ref.No./Academic/2006/3173-207 dated 5th June 2006*, all Departments are academically autonomous to undertake review of curriculum. As per stakeholders' feedback, every Department carries out major revision in their curriculum at least once in three years. However, minor revisions are being made every year. The curricula developed/adopted have relevance to the regional/national/global developmental needs with well-defined Programme Educational Objectives (PEOs), Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) which is based on the principal of Outcome Based Education. Major and minor revisions in courses and programmes are done in consideration with following:

- Industry trends and feedback to identify new demands of industry
- Structured feedback from students, teachers, alumni, employers, parents and experts from academia, industry and research organizations
- Analysis of current trends in market
- Benchmarking with reputed national/international institutions/Universities

1. Review of Courses

The Departmental Committee (DC) takes the review of stakeholders' feedback and experts suggestions from academia, industry and research organizations. Each faculty member prepares a draft of the revised course in consultation with experts from academia, industry and research organizations. The DC of respective Departments meticulously evaluates the course objectives, contents, learning outcomes and assessment tools and submit the recommendations to university statutory academic authorities for final approval.

2. Review of Programmes

The Deans of the respective faculty analyse feedback of all stakeholders, local trends and industry requirements to develop programmes in line with local/global needs. The committee under the guidance and direction of respective Dean, defines Programme Educational Objectives (PEOs), Programme Outcomes (POs), Programme Specific Outcomes (PSOs), semester-wise programme structure, assessment plan, competencies required by the industry/profession and career opportunities for graduates. Recommendations of this committee are further submitted for the approval of statutory academic authorities of the University.

3. Academic Autonomy and Choice Based Credit System (CBCS)

University has conferred the status of academic autonomy to all departments since 2005-06. The Choice Based Credit System (CBCS) with cafeteria approach was implemented since 2011-12 having excellent combination of core, foundation, elective courses for enhancing academic acumen, employability and entrepreneurial skills of the students. University has recently introduced courses of Swayam in the curriculum in which the students can earn up to 20% of their credits through online MOOCs courses. Incorporation of 25% research based courses in the curriculum of all PG programme to motivate the students towards research resulting in research publications, innovations and patents. Industry specific programmes (skill based courses) are offered in collaboration with ample number of local Industries through initiatives of University Industry Interactions Cell (UIIC). University is well connected to the Industries through CMIA, CII and MASSIA for internships, field projects and in-plant training. University also offers number of industry led skill based courses in collaboration with industry viz. B. Voc and M. Voc in Industrial Automation and Automobile Technology, B. Tech and M. Tech (Chemical Technology), M. Sc. (Electronics), M. Sc. (Computer Science), M. Sc. (IT), M. Tech (Computer Technology), MCA, M. A (Printing Technology) etc.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

1.1.2 Percentage of programs where syllabus revision was carried out during the last five years

Response: 95.77

1.1.2.1 How many programs were revised out of total number of programs offered during the last five years

Response: 68

1.1.2.2 Number of all programs offered by the institution during the last five years

Response: 71

File Description	Document
Minutes of relevant Academic Council/BOS meeting	[View Document](#)
Details of program syllabus revision in last 5 years	[View Document](#)
Any additional information	[View Document](#)

1.1.3 Average percentage of courses having focus on Employability/ Entrepreneurship/ Skill development during the last five years

Response: 84.74

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2335	2147	1467	1333	1139

File Description	Document
Program/ Curriculum/ Syllabus of the courses	[View Document](#)
MoU's with relevant organizations for these courses, if any	[View Document](#)
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	[View Document](#)
Average percentage of courses having focus on employability/ entrepreneurship	[View Document](#)
Any additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 28.12

1.2.1.1 How many new courses are introduced within the last five years

Response: 722

1.2.1.2 Number of courses offered by the institution across all programs during the last five years

Response: 2568

File Description	Document
Minutes of relevant Academic Council/BOS meetings	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 94.37

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Response: 67

File Description	Document
Minutes of relevant Academic Council/BOS meetings	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Response:

In order to integrate the cross cutting issues relevant to gender, environment and sustainability, human values and professional ethics, University has introduced course on 'Human Values and Professional Ethics' in the curriculum and incorporated courses to enhance professional competencies and to inculcate general competencies like social & ethical values, human values, environment sensitivity etc. Involving students to undertake special activities to inculcate these values, is a part of regular practices in University campus.

Gender Sensitization:

University organized ample number of gender sensitisation programme for students and staff. Gender related courses are inbuilt in various degree programmes of social science discipline which are offered as open/ generic electives. Through these courses, students are apprised about conceptual, theoretical and analytical understanding about gender as a social construction and various approaches to work towards

gender equity within India and from a cross-cultural perspective. University has created ample number of platforms for hands-on experiences related to gender sensitivity which enable students to interface with real life situations such as field work, community outreach, gender sensitization activities, street plays, seminars, conferences, guest lectures etc. in collaboration with NGOs.

Human Values and Professional Ethics

A course of four credits on 'Human Values and Professional Ethics' is offered as compulsory course for all the students of DDUKK and Department of Management Science. Moreover, NSS unit of the University organizes ample number of activities to inculcate human values and professional ethics among the students. The course on 'Constitution of India' (2 credit) has been made mandatory for all PG programme.

As an integral part of student engagement in social activities during their programme of study, University organises special camps through NSS for one week duration once in a year. Among prime aims of this camp are to inculcate values, ethics and socially responsible qualities. Students organize various activities like street plays, awareness campaigns, debates etc. In order to ensure professional ethics and code of conduct, University follows a Policy Guideline for 'Plagiarism Prevention' so that all research materials including Ph D / M. Phil thesis, research papers from students and faculty should be original and not plagiarized from any source. To ensure the same, all research materials to be sent for publication, are first checked for originality using "*URKUND* plagiarism software".

The NSS unit and Student welfare unit of the University also organises guest lectures of experts, spiritual gurus and luminaries to inculcate social, moral and ethical values in the students.

Environment Awareness

The course of 4 credits on Environment Management is included in some of the UG/PG programmes in the university campus. In order to sensitize students about the environment and sustainability issues, a number of activities such as seminars, workshops, guest lectures, industry visits and field excursions are organized for students of all programmes through NSS and Student Welfare Cell. Workshops and seminars on various aspects of environment sustainability are organized periodically and at some special occasions viz. Environment Day, Earth Day, Water Day every year, where students actively participate.

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	[View Document](#)
Any additional information	[View Document](#)

1.3.2 Number of value-added courses imparting transferable and life skills offered during the last

five years

Response: 129

1.3.2.1 How many new value-added courses are added within the last 5 years

Response: 129

File Description	Document
List of value added courses	View Document
Brochure or any other document relating to value added courses	View Document
Any additional information	View Document

1.3.3 Average percentage of students enrolled in the courses under 1.3.2 above

Response: 45.01

1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2026	1826	1321	1253	1339

File Description	Document
Any additional information	View Document

1.3.4 Percentage of students undertaking field projects / internships

Response: 31.53

1.3.4.1 Number of students undertaking field projects or internships

Response: 1092

File Description	Document
List of programs and number of students undertaking field projects / internships	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents for design and review of syllabus Semester wise /year-wise

A. Any 4 of above

B. Any 3 of above

C. Any 2 of above

D. Any 1 of above

Response: A. Any 4 of above

File Description	Document
Any additional information	[View Document](#)
Action taken report of the University on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	[View Document](#)
URL for stakeholder feedback report	[View Document](#)

1.4.2 Feedback processes of the institution may be classified as follows:

A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Any additional information	[View Document](#)
URL for feedback report	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 3.47

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
103	99	89	120	186

File Description	Document
List of students (other states and countries)	[View Document]
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]

2.1.2 Demand Ratio(Average of last five years)

Response: 1.66

2.1.2.1 Number of seats available year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3165	3099	2985	3033	2923

File Description	Document
Demand Ratio (Average of Last five years)	[View Document]
Any additional information	[View Document]

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 81.69

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1308	1343	1305	1271	1230

File Description	Document
Average percentage of seats filled against seats reserved	[View Document](#)
Any additional information	[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

Identification of learning levels of the students' is regular practice of the University Departments in the beginning of every academic year. The purpose of this activity is to identify the extent of students' learning; assess their preparation, needs, and experiences; and use the data/perceptions to improve student achievement in curricular, co-curricular and scholarly work.

Every Department of the University, through a dedicated faculty brainstorming, decide a minimal knowledge set required for the incoming students in first semester, so that they can easily cope up with the next course of teaching/learning/training. Once the above is approved by respective departmental committee (DC), MCQ test paper is framed covering more or less every aspect of the generic requirements. The question paper is mostly intended to assess informative aspects to find whether a student is aware of the basic terminologies with context. Moreover, in addition to formal test, most of the Departments implement informal strategies to assess the learning levels of the students.

Once this assessment stage is over, DC assigns the margin for defining slow/advanced learner after consideration of general merit level. Followed by this, the Department Head or faculty member(s) assigned by him/her conduct discussions with the students to assess their socio-economic background, learning environment they have come across / and their expectations.

Accordingly, formal and informal strategies are prepared by the respective departments to assist slow learners and advanced learners. Some of the departments organize a 'Bridge Course' to aid the slow learners and refresh the knowledge of advance learners. Some of the lectures are concluded by a quiz session to assess the development in understanding level of the students. At the end of the bridge course, the same faculty who had an earlier conversation with students, again conduct an informal discussion to have a feedback of the students to have an idea of the confidence level/ knowledge appetite of the students. Such action is common across all departments of the University.

Once the students reach advance learners level, an all-inclusive policy is adapted by the departments to enhance the learning level at further height. Actions under such policies vary department-wise but

encompasses following activities -

- Issuing of hands-on-project material to the students. They are given additional/challenging assignments/ project work.
- Conduction of familiarization lectures about research organizations/ industries across the country who offers summer/ winter camps/ internships to motivate the students for attending such camps/ internships.
- They are encouraged to participate in various symposiums like quiz, poster presentation, conferences, inter institution competition etc.

They are given opportunities to involve themselves in writing research papers in which student gets experience of doing research work and many students have got outcomes like Research Publications either in conference proceedings or Journals.

File Description	Document
Any additional information	[View Document](#)
link for additional information	[View Document](#)

2.2.2 Student - Full time teacher ratio

Response: 17.49

File Description	Document
Any additional information	[View Document](#)

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0.26

2.2.3.1 Number of differently abled students on rolls

Response: 9

File Description	Document
List of students(differently abled)	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any other document submitted by the Institution to a Government agency giving this information	[View Document](#)

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

Every Department of the University adopts a balanced blend of classic and modern methods of teaching -learning. Most of the faculty members prefer ICT based teaching while using chalk talk based tools for further explanation as illustration aid. In order to enable visualization based understanding of certain topics, open source videos are embedded in power point presentations. Certain NPTEL Courses, MOOC lecture modules, MIT freeware lecture modules etc. are part of lecture content for many teachers across the campus. Some departments adopt lecture demonstration by using dedicated ICT tools and through lab based lectures.

Various methods of experiential and participatory / collaborative learning are adopted to ensure active participation of students in the teaching-learning process.

1. **The participatory learning activities** adopted by the faculty to develop an application based outlook of student are:
    - Group discussions
    - Case Analysis
    - Role plays
    - Projects Designs
    - Presentations
    - Seminar
    - Home Assignments
    - Minor Project/ Dissertation
    - Industry internship
    - Field work
    - Major Project

1. **The University has introduced compulsory research components** in every semester for PG programme across the departments, where first semester offers research methodology and from second semester onwards, students are needed to work in research laboratories/ or on industrial problems in close conjunction with research community of the University/ industry personnel. During this period, students encounter problems at varied complexity that they have to solve through evidence-based thinking and judicious decision-making.
2. **University-Industry Summit** is organized annually. Students' participate in the summit to understand the requirements of the industry
3. Students are encouraged to participate in inter-university competitions, technical competitions, sports competitions, corporate competitions

Skill Enhancement Courses - To support students' personal and professional development, University also offers Skill enhancement courses specific to the discipline of study.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response: 91.41

2.3.2.1 Number of teachers using ICT

Response: 181

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 17.49

2.3.3.1 Number of mentors

Response: 198

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 83.94

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 84.09

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
167	176	186	192	193

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	[View Document](#)
Any additional information	[View Document](#)

2.4.3 Teaching experience per full time teacher in number of years

Response: 16.16

2.4.3.1 Total experience of full-time teachers

Response: 3199

File Description	Document
Any additional information	[View Document](#)

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 62.1

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
70	19	13	12	21

File Description	Document
Institutional data in prescribed format	[View Document](#)
e-copies of award letters (scanned or soft copy)	[View Document](#)
Any additional information	[View Document](#)

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 3.86

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
11	11	10	9	9

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results during the last five years

Response: 30

2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
28	31	28	33	30

File Description	Document
List of programs and date of last semester and date of declaration of result	View Document
Any additional information	View Document

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

Response: 4.99

2.5.2.1 Number of complaints/grievances about evaluation year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
17	81	60	104	161

File Description	Document
Any additional information	[View Document](#)

2.5.3 Average percentage of applications for revaluation leading to change in marks during the last five years

Response: 100

2.5.3.1 Number of applications for revaluation leading to change in marks year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
17	81	60	104	161

File Description	Document
Any additional information	[View Document](#)

2.5.4 Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system

Response:

Examination Procedure: All the academic departments in the University campus have adapted 80:20 pattern (Semester end examination: Continuous internal assessment). The first internal test is conducted after 40% completion of syllabus of each course while the second internal test is conducted after 60% completion of the syllabus of each course. Apart from regular internal tests, teachers do conduct tutorials, seminars, surprise tests, group discussions etc. Such practices facilitate the faculty members to find the augmentation areas in teaching. On the other hand, students, after each internal assessment cycle, can clearly identify the lacunae in their understanding and expression. As the students are allowed to go through the assessed answer books, they are not only sure of their performance and evaluation, but also able to make out the sectors of improvements. After semester end examination, students are allowed to verify the assessed answer books and they are free to raise their queries. All such grievances are handled by the respective faculty and some of the critical grievances (if any) are handled by Departmental committee meeting where decisions on such queries are resolved. The result is displayed on the notice

board in the respective departments within 15 to 30 days after completion of examination. Many of the departments have the good practice of displaying the result within one week. Finally, the marks obtained by students are uploaded in Maharashtra Knowledge Corporation Limited (MKCL) managed online Examination Management System. This entire process, as clearly depicted, offers cent percent transparency and satisfaction of the students.

Process Integrating IT: In order to get admitted to any academic program in the University campus, each student has to register for Online CET examination. After getting selected through the CET procedure, students have to enrol themselves through dedicated MKCL portal. Here, the students end up with their Permanent Registration Number (PRN) and their I-cards are also generated on-line after approved admission in respective departments. In due course of the semesters, admission of the students are registered in the MKCL portal where their documents are uploaded and the subjects they are being taught are also uploaded. This facilitates on-line form fill up before semester-end examination. After the forms are filled up, and exam fees are paid, hall tickets are automatically generated through the MKCL portal. Once the exam time table is uploaded on MKCL website, the seating arrangement and its reflection in hall ticket is generated automatically. Such practices have helped to –

1. Avert the errors, time consumption, inefficient and wastage of valuable resources, which are common in manual examination system. Moreover, ever increasing paper based record registers are difficult to store securely due to space scarcity.
2. Avert repetition of work in the manual process as the same data is recorded in different branches of the examination and helps to minimize data duplications and expenditure on purchase of papers.
3. Prevent retrieval of students' records through manual registers, maintaining of records and data reconciliation etc.

Completely nullify possibilities of manual tampering in tabulation sheets.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.5.5 Status of automation of Examination division along with approved Examination Manual
A. 100% automation of entire division & implementation of Examination Management System (EMS)

B. Only student registration, Hall ticket issue & Result Processing

C. Only student registration and result processing

D. Only result processing

Response: A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	[View Document](#)
Current Manual of examination automation system	[View Document](#)
Any additional information	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

The Program Outcomes, Program Specific Outcomes and Course Outcomes are clearly defined using blooms taxonomy for all academic programmes and courses of the University. They are instrumental in achieving the vision, mission and strategic objectives of the University. Following aspects have been considered while defining Learning outcomes.

- The Learning outcomes are measurable and stated using active verbs (Bloom's taxonomy).
- They are expressed as complete declarative sentences that clearly describe the knowledge, skills, and competencies that students are expected to acquire as a result of completing their programme of study.
- The resources (faculty, library, labs, technology etc) and pedagogy to be implemented for effective course delivery and student learning are determined in consonance with the learning outcomes to be achieved.
- The outcomes are assessed and measured to identify the extent to which goals are accomplished.
- The gaps identified after the analysis are addressed through the properly laid action plan
- The outcomes assessment plan also specifies the performance targets/criteria (measurable objectives) that are used by the domain to determine the extent to which the programme learning outcomes are being achieved
- The assessment of student learning outcomes is done by using direct and indirect measurement tools
- Assessment methodology/tools are decided keeping in mind the parameters/learning outcomes to be measured and the desired emphasis during the delivery of a programme as prescribed in the course curriculum

Methodology Implemented:

A concrete mechanism has been designed and adapted to ensure/monitor that the desired or defined outcomes are determined and according to the defined outcomes, programme curriculum, teaching learning methodology and supporting facilities are designed.

Before starting of the academics of every semester, a dedicated faculty meeting is conducted in each department where identified industry experts also remain present in some of the departments. This meeting is dedicated towards defining the modes of teaching/ learning in that semester in perspective of COs, POs and niches of industry/ society.

Mechanism of communication:

- Right at beginning of teaching of a course, respective teacher, as a common practice, presents a brief overview of the course and its necessity in modern perspective. At the same time, he/she also explains the Course Outcomes (COs) to the students and provide necessary guidance to the students about the sort of approach and mindset they need to maintain in order to achieve the outcomes in a collaborative pedagogy. Importance of achieving the outcomes and their relevance to modern era is also delivered to the students in the first lecture.
- Conducting workshops for developing the Programme Educational Objectives and Learning outcomes at University level
- Conducting workshop on COs, POs and their assessment at the Department as well as University level .

PEOs, POs and COs are stated in the curriculum of various Department and made available online on web portal of respective Departments.

File Description	Document
COs for all courses (exemplars from Glossary)	[View Document](#)
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

The course outcomes are written by the respective faculty member using action verbs of learning levels as suggested by Bloom Taxonomy. Then, a correlation is established between COs & POs and COs & PSOs by preparing articulation matrix of COs-POs and COs-PSOs for respective courses in the program.

As all the academic departments exercise academic autonomy and obey 80:20 assessment pattern (80-Semester end Examination and 20 -Continuous Internal Assessment), the question papers are judicially / thoughtfully prepared for internal tests, semester end examination and practical examination so as to attain all target COs in respective course.

Attainment of COs:

 Department committee defines three levels for attainment of COs and POs. Three levels decided by the University Department for attainment of COs are as below;

Level-1: 40% of students scored more than class average in the Semester End & Internal Examination.

Level-2: 50% of students scored more than class average in the Semester End & Internal Examination.

Level-3: 60% of students scored more than class average in the Semester End & Internal Examination.

University Departments have decided to have Level-2 as a target level for attainment of COs and following formula is used for calculating attainment of COs

Course attainment level = 80% of attainment level in the semester end examination + 20% of the attainment level in the internal assessment

Example:

Say, for a certain course, 63% of students scored more than class average in the semester end examination, then the attainment level will be (2) for semester end examination. And if 85% students scored more than class average in the internal class assessment, then the attainment level based on the internal assessment is (3).

Then, the Course attainment for the aforesaid course = 80% of (2) + 20% of (3) which in turn equals to **1.6+0.6= 2.2 i.e. attainment level is (2); fully Attained.**

Attainment of POs and PSOs:

Five levels decided by the University Department for attainment of POs and PSOs are as below;

Level-1: Greater than 0.5 and less than or equal to 1.0 (Poor)

Level-2: Greater than 1.0 and less than or equal to 1.5 (Average)

Level-3: Greater than 1.5 and less than or equal to 2.0 (Good)

Level-4: Greater than 2.0 and less than or equal to 2.5 (Very Good)

Level-5: Greater than 2.5 and less than or equal to 3.0 (Excellent)

Most of the university Departments have decided to have Level-4 as a target level for attainment of POs and PSOs and following formula is used for calculating attainment of POs and PSOs

Program attainment level= 80% (Average of attainment level from direct method) + 20% (Average of the attainment level from indirect method)

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.6.3 Average pass percentage of Students

Response: 75.85

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 1253

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 1652

File Description	Document
List of programs and number of students passed and appeared in the final year examination	View Document
Any additional information	View Document
Link for annual report	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution has a well defined policy for promotion of research and the same is uploaded on the institutional website

Response: Yes

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	[View Document](#)
Any additional information	[View Document](#)
URL of Policy document on promotion of research uploaded on website	[View Document](#)

3.1.2 The institution provides seed money to its teachers for research (average per year)

Response: 18.85

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
55.13	4.21	12.01	12.62	10.28

File Description	Document
Minutes of the relevant bodies of the University	[View Document](#)
List of teachers receiving grant and details of grant received	[View Document](#)
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	[View Document](#)
Any additional information	[View Document](#)

3.1.3 Number of teachers awarded international fellowship for advanced studies/ research during the last five years

Response: 20

3.1.3.1 The number of teachers awarded international fellowship for advanced studies / research year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4	4	2	5	5

File Description	Document
List of teachers and their international fellowship details	[View Document](#)
e-copies of the award letters of the teachers.	[View Document](#)
Any additional information	[View Document](#)

3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates, other research fellows in the university enrolled during the last five years

Response: 620

3.1.4.1 The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows in the university enrolled year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
89	143	190	109	89

File Description	Document
List of research fellows and their fellowship details	[View Document](#)
Any additional information	[View Document](#)

3.1.5 University has the following facilities

1. **Central Instrumentation Centre**
2. **Animal House/Green House / Museum**
3. **Central Fabrication facility**
4. **Media laboratory/Business Lab/Studios**
5. **Research/Statistical Databases**

Any four facilities exist

Three of the facilities exist

Two of the facilities exist

One of the facilities exist

Response: Any four facilities exist

File Description	Document
List of facilities provided by the university and their year of establishment	View Document
Any additional information	View Document
Link to videos and photographs geotagged	View Document

3.1.6 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognition by government agency

Response: 36.54

3.1.6.1 The Number of departments with UGC-SAP, CAS, DST-FIST ,DBT,ICSSR and other similar recognition by government agency

Response: 19

File Description	Document
List of departments and award details	View Document
e-version of departmental recognition award letters	View Document
Any additional information	View Document

3.2 Resource Mobilization for Research

3.2.1 Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments,Chairs in the institution during the last five years (INR in Lakhs)

Response: 54.5

3.2.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
52	2.5	0	0	0

File Description	Document
List of project and grant details	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document
Any additional information	View Document

3.2.2 Grants for research projects sponsored by the government sources during the last five years

Response: 925.7

3.2.2.1 Total Grants for research projects sponsored by the government sources year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
63.45	225.43	103.17	151.88	381.77

File Description	Document
e-copies of the grant award letters for research projects sponsored by government	View Document
Any additional information	View Document

3.2.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 1.38

3.2.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 60

3.2.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 217

File Description	Document
Supporting document from Funding Agency	[View Document](#)
Any additional information	[View Document](#)
Link for funding agency website	[View Document](#)

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Response:

The University has created an ecosystem for Research and Innovation by recruiting & developing competent and able human resource at appropriate level, taking initiative for creation & dissemination of knowledge, establishing state of the art infrastructure and nurturing incubates to convert idea into commercial products. The major highlights of the eco-system are as below-

1. **Establishment of Centre of Excellence in Research:** University has established RUSA Centre for Advanced Sensor Technology and Paul Herbert Centre for DNA Barcoding and Biodiversity Studies with state-of-the-art facilities. Familiarization workshops, hands-on and IPR workshops have been arranged by these Centre to motivate research scholars and faculty members for idea generation. Similarly other Departments viz. Department of Computer Science and IT, Department of Physics, Department of Chemical Technology, and Department of Chemistry are also well equipped with state-of-the-art research facilities.

2. **Human Resource Development:** The University has identified highly experienced faculty members from the university campus and renowned **distinguished experts** from other academic institutions and industries to mentor and channelize the young students and faculty members. The students and faculty members are groomed through various short term Professional Development Programs (PDPs) and theme oriented programme, conferences, seminars, and IPR workshops for up-gradation of domain-specific knowledge**.** Students are encouraged to participate in various scientific events such as National Science Day, State level Avishkar Competition etc. University provides financial assistance to the faculty members and research scholars to attend national/ international level and overseas conferences / workshops / symposiums.

3. **Research Funding**: University faculty members have generated substantial funding through extramural sources such as UGC, DST, DBT, ICSSR, DRDO, CSIR, BRNS etc under research as well infrastructural projects. Seed funding is provided to young faculty members to pursue specific research programs.

4. **Networking:** University has created excellent network with other universities in India and abroad and Industries to promote multi-disciplinary and interdisciplinary research. University has 93 MoUs (50 Universities / Institutions and 43 Industries). Students and faculty members have visited overseas universities under student and faculty exchange programme. Faculty members have published joint research publications with faculty members from Indian and overseas Universities in SCOPUS, Web of Science indexed Journals.

5. **IPR Cell:** University has established a dedicated IPR Cell to create awareness among the students and faculty members about IPR. So far 02 patents have been granted, 07 have been published and 15 have been submitted by the faculty members. University has 10 copyrights to its credit.

Establishment of Innovation and Incubation Centre: University has established Bajaj Incubation Centre (Bajaj Auto Pvt. Ltd., total outlay of Rs. 1.5 Cr) and Atal Incubation Centre (Atal Innovation Mission, MHRD, New Delhi, with total outlay of Rs. 10.00 Cr) and MSIns Incubation Centre supported by Government of Maharashtra with total outlay of Rs. 05.00 Cr to motivate students and faculty members for idea generation and converting their ideas into commercially viable products so that spin-offs and start-ups can be generated. So far 08 start-ups have been initiated by the Centre and 15 ideas are in pipeline.

File Description	Document
Any additional information	[View Document]
link for additional information	[View Document]

3.3.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry - Academia Innovative practices during the last five years

Response: 10

3.3.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
06	04	0	0	0

File Description	Document
Report of the event	[View Document]
List of workshops/seminars during the last 5 years	[View Document]
Any additional information	[View Document]

3.3.3 Number of awards for innovation won by institution/ teachers/ research scholars/students during the last five years

Response: 33

3.3.3.1 Total number of awards for innovation won by institution/teachers/research scholars/students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
18	8	2	5	0

File Description	Document
List of innovation and award details	View Document
e- copies of award letters	View Document
Any additional information	View Document

3.3.4 Number of start-ups incubated on campus during the last five years

Response: 8

3.3.4.1 Total number of start-ups incubated on campus year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
8	0	0	0	0

File Description	Document
List of startups details like name of startup, nature, year of commencement etc	View Document
e- sanction order of the University for the start ups on campus	View Document
Any additional information	View Document

3.4 Research Publications and Awards

3.4.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Any additional information	View Document

3.4.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
e- copies of the letters of awards	View Document
Any additional infrormation	View Document

3.4.3 Number of Patents published/awarded during the last five years

Response: 34

3.4.3.1 Total number of Patents published/awarded year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
26	4	3	1	0

File Description	Document
List of patents and year it was awarded	View Document
Any additional information	View Document

3.4.4 Number of Ph.D.s awarded per teacher during the last five years

Response: 2.74

3.4.4.1 How many Ph.Ds are awarded within last 5 years

Response: 499

3.4.4.2 Number of teachers recognized as guides during the last five years

Response: 182

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document
URL to the research page on HEI web site	View Document

3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 5.64

3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
427	252	174	186	188

File Description	Document
List of research papers by title, author, department, name and year of publication	[View Document](#)

3.4.6 Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last five years

Response: 3.16

3.4.6.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
172	109	164	144	97

File Description	Document
List books and chapters in edited volumes / books published	[View Document](#)

3.4.7 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Response:

File Description	Document
BiblioMetrics of the publications during the last five years	[View Document](#)

3.4.8 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Response:

File Description	Document
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the University	**View Document**

3.5 Consultancy

3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual

Response: Yes

File Description	Document
Soft copy of the Consultancy Policy	**View Document**
Minutes of the Governing Council/ Syndicate/Board of Management related to Consultancy policy	**View Document**
Any additional information	**View Document**
URL of the consultancy policy document	**View Document**

3.5.2 Revenue generated from consultancy during the last five years

Response: 35.54

3.5.2.1 Total amount generated from consultancy year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
9.29	8.20	8.86	4.28	4.91

File Description	Document
List of consultants and revenue generated by them	**View Document**
Audited statements of accounts indicating the revenue generated through consultancy	**View Document**
Any additional information	**View Document**

3.5.3 Revenue generated from corporate training by the institution during the last five years

Response: 19.93

3.5.3.1 Total amount generated from corporate training by the institution year-wise during the last five

years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
2.89	2.16	3.48	5.07	6.33

File Description	Document
List of teacher consultants and revenue generated by them	View Document
Audited statements of account indicating the revenue generated through training	View Document
Any additional information	View Document

3.6 Extension Activities

3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

The University promotes and ensures regular engagement of faculty, students and staff with neighbourhood community for their all-inclusive development through various activities.

- **Throughout the year,** various programme and events are organized through NSS under which students and staff participate voluntarily in community based activities with neighborhood such as Cleanliness Drives, AIDS Awareness Camps, Beti Bachao, Blood Donation Camp, Workshops on Farmer Suicide, Training of Trainers, Leadership Development Programmes, Tree Plantation, Swachch Bharat Abhiyan, Road Safety, Water Conservation, Disaster management, surveys of Dropouts of Students, Voters Registration, Utkarsh and Prerna Camp under the schemes of Central Government, State Government and NGOs.
- **Under Earn and Learn scheme**, every day students spent 2 hours to maintain the cleanliness in and around the Campus, create awareness about the role of clean environment in human health and contribute to the National **Swachh Bharat Abhiyan** under Earn and Learn Scheme. Also, students are allowed to work in several areas under Earn and Learn Scheme where there are scopes of self-entrepreneurship in future.

Impact & Sensitization:

- **Road Safety Programme** was organized in collaboration with Maharashtra State Road Safety Abhiyan and 5500 NSS Volunteers participated in the same.
- **Jagar Janiwancha Abhiyan**: Gender Equality and Self Confidence and Self Awareness was spread through this programme.
- Blood Donation Camps were organized and around 7500 bottles of blood was collected.
- **Voter Registration and Voters Motivation Abhiyan** was implemented in the University campus.
- **Cleanliness Awareness Programme** were organized to sensitize the students in collaboration with Civic Response Team (CRT).
- A programme on **'Leadership Development for Youths'** was organized in collaboration with Young Inspirators Network and Sakal Media Group
- **Youth Rallies** were organized in collaboration with Ramakrishna Mission Ashram and 500 NSS Volunteers were participated
- University NSS Volunteers participated in **evacuation process** (Fire Accident at Fire Crackers Stall at Aurangpura, Aurangabad)
- **Workshop on societal issues** such as 'Farmer Suicide' was organized.
- **Rivers Rally Abhiyan** was implemented by the University and affiliated colleges to create awareness about conservation of Water.
- **The activities conducted during NSS camps** to inculcate the values of social responsibility are as follows:

  - To help people in need and distress
  - To understand and share the need of under privileged children
  - To promote cleanliness in all span of life and common places
  - To acquire social values and a deep interest in environmental related issues.

- **Learning outcomes of the activities conducted by Academic Departments**

  - Enlarged knowledge base of societal issues and problems and to search solution by getting involved with their lives.
  - Built up relations and tie up with organizations/NGO to carry forward humanitarian work in future.
  - Development of a passion and brotherhood towards community, affected people
  - Development of skill and aptitude for problem solving
  - Development of generic skills that include social skills communication skills, management skills, leaderships kills, analytic skills, perceptual skills etc

- **Community Engagement Programme by Department of Life Long Learning Education & Extension**

Several community engagement programmes have been organized by Department of Life Long Learning Education & Extension.

File Description	Document
Any additional information	View Document
link for additional information	View Document

3.6.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 13

3.6.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
7	2	2	2	0

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document
Any additional information	View Document

3.6.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 189

3.6.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
49	41	36	33	30

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document
Any additional information	View Document

3.6.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 65.21

3.6.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3402	3554	1307	1967	1046

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	View Document
Any additional information	View Document

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange per year

Response: 36.8

3.7.1.1 Total number of Collaborative activities for research, faculty exchange, student exchange year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
63	36	41	25	19

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	View Document
Any additional information	View Document

3.7.2 Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last five years

Response: 103

3.7.2.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
44	32	13	7	7

File Description	Document
e-copies of linkage related Document	View Document
Details of linkages with institutions/industries for internship	View Document
Any additional information	View Document

3.7.3 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 90

3.7.3.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2017-18	2016-17	2015-16	2014-15	2013-14
36	31	9	5	9

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	[View Document](#)
Details of functional MoUs with institutions of national, international importance,other universities etc during the last five years	[View Document](#)
Any additional information	[View Document](#)

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc

Response:

University has developed campuses with modern facilities/learning resources as per the curriculum requirements and norms of statutory/regulatory bodies.

The resources and infrastructure for academic excellence have been moulded according to its mission, vision and strategic objectives. The infrastructure facilities and learning resources are categorized as under:

(a) **Learning Resources**: This includes resources and infrastructure required for library, laboratories, class room teaching, events, meetings, workshops, etc.

(b) **Support facilities** include cafeterias, hostels, auditoriums, seminar halls, syndicate rooms, lounges, publication sales counter, etc.

(c) **Utilities** like safe drinking water, washroom /restrooms, Heat Ventilation & Air Conditioning (HVAC), Power Generators, etc.

Details of the Infrastructure and Learning resources are as described below:

Description	Number
Academic Blocks	53
Class Rooms	115
Seminar Halls	25
Laboratories (UG / PG)	80
Research Laboratories	93
Computers Laboratories	34
Central Library (Knowledge Resource Centre)	01

Departmental Library	40
Auditorium	04
Training Hall	15
History Museum	01
Multipurpose Hall	01
Digital Studios	01
Student Common Room	53
Activity Room	37

The Knowledge Resource Centre (KRC) of the University is one of the leading centres in the Country has a stock of over 3.80 lakh books, periodicals, references, national and international journals, 15000+ e-journals, 3 millions of e-books and CD-ROMs. Apart from these, 3,80,870 print resources & 205 Scholarly print journals are also available to facilitate the teaching learning process.   Some of the popular online resources accessible to University students/faculty are Nature, Oxford Journals, Cambridge University Press, American Institute of Physics (AIP), Institute of Physics (IOP) UK, Taylor & Francis, UGC-INFONET, Springer, RSC, Portland Press Limited, Elsevier and McGraw-Hill Publishers etc.

University has established Research Centres such as RUSA Centre for Advanced Sensor Technology, Paul Herbert DNA Barcoding Centre for Biodiversity studies with state-of-the-art facilities for innovative research facilitating teaching-learning process. Moreover, University has also been awarded the Centre with Potential for Excellence status under UGC CPEPA scheme.

University has also established University Network and Information Centre (UNIC) to provide and maintain ICT facilities, Centre for International Relations to provide an opportunity to the students to visit overseas Universities for short term and long term programmes. These centres are ultimately facilitating teaching-learning process.

The University has a policy for the creation and enhancement of infrastructure in order to promote a good teaching learning environment. The policy is implemented through Strategic Planning and Annual Academic Planning conducted at three levels of IQAC and Ambersity Planning Board. Some of the initiatives taken are as follows:

1. Up-gradation of Research Laboratories at most of the PG Departments in tune with the recent

developments in the respective area.

2. Up-gradation of the IT infrastructure regularly in view of the recent developments and change in technology to meet the teaching – learning requirements.

3. Learning resources, curriculum, session plan, class time table, recorded lectures, assignments, assessments, student feedback etc. have been made available online on university portal.

Establishment of Mass Communication Studios, Language Labs and Psychology Labs etc. for providing advance learning experience to the students.

File Description	Document
Link for Additional Information	<u>View Document</u>

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities

Response:

University has 27 acres of sports complex which include facilities like football, basketball, tennis, badminton, swimming pool, fitness Centre, etc. University offers opportunities to students for regular work-out, lifestyle management and interaction through its excellent sports facilities.

Details of sports facilities are as below-

Sports Facilities	Number
400 Mtr. Standard Athletic Track (10 lines)	01
Football Stadium	01
Kho-Kho Courts	02
Volleyball Courts	02
Kabaddi Courts	02
Basketball Court	02
Tennis Court	01
Hockey Field	01
Cricket Field	01
Multipurpose Hall	01
Badminton Courts	03

Standard Size Swimming Pool (25 X 50 mtr).	**01**
Gym (6.70 X 6 mtr)	**01**
Hostel Facilities (Fabricated Rooms (20 X 20 feet)	**20**

University has collaboration with Sports Authority of India **(SAI)** for sharing sports facilities and resources such as multipurpose indoor hall, Astroturf Hockey Ground, Boxing Ring, Archery, Gymnastic facilities, Sun- bathrooms and steam- bathrooms etc.

University has always supported sports, sports events and encouraged sporting talent. Few achievements of its students and alumni are: Gold Medals – 42 (Kabbadi, Wrestling, Javelin Throw, Volleyball and many more sports games), Silver Medals – 106 (Kabaddi, Table Tennis, Volleyball and many more sports games), Bronze Medals – 99 (Taiqundo, Basket Ball, Fencing, Judo Karate, Badminton and many more sports games), Inter-University Tournament Awards – 38 (Cricket, Weightlifting and many more games) during last five years.

The University has open theatre at Department of Dramatics, Auditoriums in most of the Departments and also has Central Auditorium with seating capacity of 1000 for various cultural activities.

University has always remained supportive to cultural events and encouraged extracurricular talent of the students. University regularly organizes various cultural events viz. Youth Festival, State level Avhan etc. Many students of the University have won awards in various National level competitions during last five years.

University has established independent Department of Yoga for spiritual and psychological development of the students and initiate the best practices to train the body and mind of the students to self-observe and make them aware of their own potential. Various activities of yoga are organized to cultivate discernment, awareness, self-regulation and higher consciousness in the individual.

File Description	Document
link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 82.11

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 156

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
Any additional information	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 44.9

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
2992	2428	1850	2535	1167

File Description	Document
Audited utilization statements	View Document
Any additional information	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

The Knowledge Resource Centre (Central Library) of this university is one of the best libraries in the country in the University system. It is automated using SOUL 2.0 Integrated Library Management System (ILMS) and has 3.80 lakhs books (hard copy), 40,890 e-journals, more than 5000 thesis under 'Shodh Ganga' (5th rank in India for Ph. D thesis uploads in 2017), Access to Plagiarism check software, Remote Access Facility of e-resources through which student can have access to more than 40,000 e-journals, more than 30,00,000 e-books including World e-book Library through UGC-INFLIBNET, eShodhshindu, and 24 various e-data bases which is unique in the State of Maharashtra. It has completed digitization of more than 3000 rare books. The KRC has well-furnished 35 Cubicles with Computer & Internet Facility for research Scholars.

Budget for infrastructure, library and other learning resources is earmarked annually based on the recommendations of respective committees constituted for the purpose.

All e-resources are accessible locally within the campus as well as remotely. University Library building is centrally located, well laid out, and aesthetically designed to make it an inviting place with the ambiance that is suitable for learning and scholarship.

Adequate space is provided for browsing and relaxed reading. KRC also has carrels as well as research scholars/faculty rooms for quiet and serious studies.

KRC is equipped with adequate number of sign boards and guides for smoother and convenient movement of books, services and users. The library has open access to its collection for all student, faculty and staff. The KRC building has ramps for easy and convenient access to differently-abled users. OPAC/Web OPAC is the main tool to provide access to the library collection. Library website also provides information about resources, sources, rules and regulations. Since 2010, this KRC has completed its data entry with the help of SOUL 2.0 library software which is developed by INFLIBNET. Presently, circulation of books, ordering of books, serial control are being done with the help of SOUL software. Online Public Access Catalogue (OPAC) facility through LAN has been installed and anybody can search the availability status of books within the campus by OPAC.15 dedicated computers have also been made available within the library for exercise of OPAC facilities to the maximum extent possible.

Description of ILMS is as follows:

- Name of the ILMS software – SOUL
- Nature of automation (fully or partially)– Fully
- Version– 2.0
- Year of automation– 2010

The KRC of the University also has following facilities –

Library Smart Card: Smart card having 4kb memory is integrated with SOUL software. The smart cards are issued to all library users i.e. students, teachers, non-teaching staff, researchers and associate members.

Web Café Management: The Web Café Management Solution is also installed in the Internet Laboratory of the KRC which is going to be useful for the following tasks-

- Time Management;
- Browsing Report;
- Application of Biometric;
- Financial Management;

CD/DVD Library: The KRC has developed independent CD/DVD Library. Presently, there are 30 CD/DVD Storage devices in this section.

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment

Response:

The KRC of the University makes systematic efforts to acquire useful books including rare books, reports, thesis and other knowledge resources to enrich its collection. Foundation stone of the library building was laid on 16th October, 1960 by the then Hon'ble Chief Minister of Maharashtra Shri Yashwantraoji Chavan and was inaugurated at the auspicious hands of Hon'ble President of India Dr. Sarvapalli Radhakrishnan on 25th March, 1966. In May, 1966 the library got shifted to its new building in University campus. A large collection of 45,000 books was acquired from Raje Shamraj Rai Rajwant Bahadur, Hyderabad, in the year 1960. Presently, the library is having 3,80,873 print resources and 205 Scholarly print journals. In the year 1971, the library introduced reprographic service.

Dr. Babasaheb Ambedkar Marathwada University Library (KRC) is the biggest KRC from the point of view of the total number of books and services offered. It has occupied a central position in the socio-economic, cultural and educational development of the people of Marathwada region. The importance of this Library lies not only in its large collection of 3,80,873 books and its periodicals, but its collection has certain peculiar feature. The priceless treasure of large number of manuscripts, covering a wide range of subjects encompassing literature, social science, philosophy, arts, photographs and painting, is truly a prominent point of pride for this KRC.

The Special Collections include books which are first editions, highly priced books, proceedings, reports and Thesis.

Special collections

Description of Special Collections	Total Number
Rare Books	3000 + (Digitized)
CDs & Videos	3128
Ph. D Thesis	5027 (Uploaded on Shodhganga)
E-Shodhsindhu Database	15
Hard Bound Journal	45000+

Digitization of rare books is the priority of the KRC and so far more than 3000 rare books have been

digitized.

Considering the huge list of users and the large collection of rare books and other special collections, the library staff is always attentive so that available working materials in the collection can be properly distributed.

Feedback from users is used for enrichment of the special collection. The feedback is analysed for area of interest, discussed and action is initiated by library committee to procure rare or special books.

Users can submit their suggestions in suggestions box and on web portal of KRC which are forwarded to the Chairperson, Library Committee/Director Library Services for necessary action.

Users can also submit their suggestions through general interaction, making an application, and through email. Students can also submit their suggestions during CR Meetings held monthly.

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.2.3 Does the institution have the following

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases

Any 4 of the above

Any 3 of the above

Any 2 of the above

Any 1 of the above

Response: Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 94.78

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
141.37	102.72	92.02	89.11	48.66

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	[View Document](#)
Audited statements of accounts	[View Document](#)
Any additional information	[View Document](#)

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	[View Document](#)

4.2.6 Percentage per day usage of library by teachers and students

Response: 47.99

4.2.6.1 Number of teachers and students using library per day over last one year

Response: 1757

File Description	Document
Any additional information	[View Document](#)

4.2.7 E-content is developed by teachers :

1. **For e-PG-Pathshala**
2. **For CEC (Under Graduate)**
3. **For SWAYAM**
4. **For other MOOCs platform**

5. For NPTEL/NMEICT/any other Government Initiatives

6. For Institutional LMS

Any 5 of the above

Any 4 of the above

Any 3 of the above

Any 2 of the above

Response: Any 5 of the above

File Description	Document
Details of e-content developed by teachers for e-PG-Pathshala, CEC (UG)	[View Document](#)
Any additional information	[View Document](#)
Give links or upload document of e-content developed	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

University has established University Network and Information Centre (UNIC). The UNIC is a complete ISP setup with advance internet servers and firewalls. The main function of UNIC is to create and maintain IT facilities in the University campus to facilitate teaching, learning and research. The IT Facilities include Computers, Internet facility (Broad Band and Wifi, data network: access to the Internet, the electronic mail etc.), class rooms ICT facilities (LCD Projector, Smart board, Internet etc), up-gradation and maintenance of university website and other computing equipments.

Well Equipped University Data Centre:

In 2010, 2 Tier Data Centre running 24X7 has been constructed with additional Intel Rack and Blade servers serving Active Directory, Licensing servers, UTM and log servers. In 2016-17, university established a system having HP Blade servers to host Examination Result Processing Server(ERPS), Database Server and Dell EMC 3200 storage server, two Unified Threat Management (UTM) Fotrigate 1000D for redundancy to cater the need of secured and high speed connectivity.

Campus Area Network (CAN) Connectivity:

Optical Fibre Cable (OFC) connectivity was established in the campus to provide high speed intranet and internet access. At present, all academic, administrative departments, student hostels and staff quarters are

connected through OFC network of around 17.2 KM.

CAT 5/6 connectivity:

The LAN connectivity (CAT 5/6 connectivity) has been established at the desk of teaching, non-teaching, administrative staff along with the computer labs. Almost all computers are connected through LAN and all computers are loaded with licensed software.

Digital Studio:

Well-furnished digital studio is established in the campus having 50 apple computers for e-content development.

Regular update of University website:

University has adopted two-tire policy for regular update of website. Heads / Directors of the various Academic Departments and Research centre are authorised to make regular updates about their recent development in some specific domain while updates in other domain is being taken care of by the website update and up-gradation committee of UNIC.

All University departments are connected through university ERP system which covers the Student admission to Examination and Result Processing System for all courses.

Wi-Fi connectivity:

In 2009, the Wi-Fi facility was available in some of the University departments. However, in 2013-14, the Wi-Fi facility was upgraded and deployed in the entire university campus 24/7, with high density coverage on students' own devices as well as on mobile computing equipments.

The University has signed MoU with Reliance Jio Infocomm Ltd. for installation, commissioning and maintenance of Wi-Fi connectivity in university campus.

Internet bandwidth:

Internet bandwidth of 8 Mbps which was installed in 2005-07 was upgraded to 1 Gbps under NMEICT/NKN project with additional 1000 Mbps ILL from BSNL, which is currently serving with near about 2 Gbps to university stakeholders.

As the entire university campus is Wi-Fi enabled, students and faculty members have access to electronic databases that encourages them to use e-learning resources.

File Description	Document
Any additional information	[View Document](#)
link for additional information	[View Document](#)

4.3.2 Student - Computer ratio

Response: 3.01

File Description	Document
Any additional information	[View Document](#)

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)
?1 GBPS

500 MBPS - 1 GBPS

50 MBPS-250 MBPS

250 MBPS-500 MBPS

Response: ?1 GBPS

File Description	Document
Any additional information	[View Document](#)

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	[View Document](#)
Any additional information	[View Document](#)
Link to photographs	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 30.89

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
1488.34	1975.64	1578.04	1688.55	831.6

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document
Any additional information	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

The University has a dedicated maintenance section in the Estate Office which is responsible for overseeing the maintenance of buildings, class rooms, laboratories, hostels, cafeterias, sports facilities, utilities, lawns etc.

The Estate Section has qualified and skilled manpower for civil work, electric work, plumbing, carpentry work, horticulture etc. Maintenance of infrastructure facilities, services sector and equipments is done as per following details:

1. The infrastructure facilities such as class-rooms, buildings, hostels, sports facilities etc. are maintained by the maintenance section of Estate Office.
2. Green areas such as garden and lawns are maintained by the office of Garden Superintendent
3. The University has Electrical Department in the Estate Office to ensure uninterrupted power supply and maintenance of electrical assets. The maintenance of equipment like Generator Sets, General Illumination, Power Distribution System, Solar Panels etc. are undertaken as per their preventive maintenance schedules in accordance to the guidelines provided by the equipment supplier.
4. The maintenance of equipments for water pumping plants, sewage, etc. are undertaken as per their preventive maintenance schedule, in accordance to the guidelines provided by the equipment supplier.
5. Maintenance of Services: The University provides various services / facilities to the students, faculty and staff and are maintained by respective service providers as per contract. The services are viz. Cafeterias facilities, Banking, ATMs facilities & service, Post Office facilities, Departmental Store, etc.
6. Further, university vehicles (viz CAR, Tractor, Jeeps, Tempo, etc) are maintained by the transport

department of the university.

7. University Clinic, Sports infrastructure, etc. are maintained by the respective Department as per the guidelines laid down.

8. Housekeeping services are outsourced.

9. Maintenance of Equipments: The University has laid down guidelines and structure for the maintenance of various type of equipments as under: Laboratory In-Charge of each laboratories in various academic departments look after the repair / maintenance of the equipments in various UG / PG laboratories; Laboratory In-charge of Research Laboratories in various academic departments look after the repair / maintenance of the equipments in various research laboratories; Repairing and maintenance of minor equipments are done through routine procedure; Major laboratory equipments are under Annual Maintenance Contract (AMC) for their regular preventive and corrective maintenance; Teaching aids such as LCD Projectors, PA Systems, Laptops, Desktops, Printers, Wi-Fi etc. are maintained by UNIC.

10. Account Code for Maharashtra Public Universities is strictly followed for the expenses of maintenance / repairs of physical facilities or laboratory infrastructure. The maintenance, repairs having expenses less than Rs. 5,000/- are done by the Head of respective department / section, amount of expenses between Rs. 5,000/- to Rs. 3,00,000/- are done by calling quotations and if the expenses are more than Rs. 3,00,000/- , e-tendering process is followed

11. **KRC Facilities**: SOUL 2.0 is used for Database of Books, OPAC is made available to know availability status of books in the Library, EzProxy Remote Access tool is available for giving Remote Access to Teachers & Research Scholars for accessing E-Databases.

File Description	Document
Any additional information	View Document
link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 52.13

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1607	1775	1790	1714	2082

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	[View Document](#)
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	[View Document](#)
Any additional information	[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 26.84

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
937	1000	965	903	814

File Description	Document
Any additional information	[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. **Guidance for competitive examinations**
2. **Career Counselling**
3. **Soft skill development**
4. **Remedial coaching**
5. **Language lab**
6. **Bridge courses**
7. **Yoga and Meditation**
8. **Personal Counselling**

7 or more of the above

Any 6 of the above

Any 5 of the above

Any 4 of the above

Response: 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	[View Document]
Any additional information	[View Document]
Link to Institutional website	[View Document]

5.1.4 Average percentage of students benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 57.1

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2468	3177	1760	1276	1210

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	[View Document]
Any additional information	[View Document]

5.1.5 The institution has an active international students cell to cater to the requirements of foreign students

Response:

The University has an International Student Cell (ISC) and Centre for International Relations (CIR). The University has well established linkages with overseas universities / organizations for student, faculty exchange and joint research activities. The functioning of ISC and CIR is complementary. The CIR had MoUs with various Asian, American and European Universities for joint R & D programme. These joint R & D activities enable us to identify the probable potential country for student enrolment for various UG /PG and Ph D programmes.

In order to take care of international students and make their learning experiences successful and memorable, the ISC has Director In-charge who is dedicatedly working for the welfare of International students. Guidelines for facilitation of International students have been framed and circulated.

ISC acts like a single window to address international student queries related to various matters of academics, examinations, hostels etc. It performs following functions:

1. Organizes Reception and Orientation Programme for International students
2. Helps in the process of registration with Foreigner Regional Registration Office (FRRO), visa extensions and other related issues
3. Guides with appropriate information and assists in ensuring safety, security, discipline and well-being of the International students.
4. Ensures speedy resolution of problems/complaints/grievances of International students
5. Organizes cultural activities (eg. International Fiesta during BAMU Youth Festival), international festivals (including International Youth Day), conducts cross cultural programme, international lecture series and liaisons with respective embassies to ensure International students participation in important embassy functions.
6. Organizes special classes for all foreign students for getting them acquainted with local language, culture and practices.
7. Periodical follow up of performance and progress of International students with their respective departments.

Further, ISC endeavours to provide every support services to ensure all student issues are addressed in a timely manner and their satisfaction level remains high.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	
Details of student grievances including sexual harassment and ragging cases	
Any additional information	

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 22.96

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
106	255	436	421	353

File Description	Document
Self attested list of students placed	
Details of student placement during the last five years	
Any additional information	

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 27.13

5.2.2.1 Number of outgoing students progressing to higher education

Response: 340

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document
Any additional information	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 10.46

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
59	83	65	49	48

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOEFL/ Civil Services/State government examinations) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
600	750	550	490	500

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document
Any additional information	View Document

5.3 Student Participation and Activities

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

Response: 292

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
25	64	67	87	49

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	[View Document](#)
e-copies of award letters and certificates	[View Document](#)
Any additional information	[View Document](#)

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

University has strong and active Student Council in the campus. In order to inculcate the qualities of leadership, organization, accountability and responsibility in the students, proactive participation and representation of students in the academic and administrative bodies/committees is always ensured by the University.

The Internal Quality Assurance Cell (**IQAC)** is constituted in every department under the chairmanship of Head of the respective department having representation from each category of teachers, representation from non-teaching staff and one member from student organization (special invitee). Central (Institutional) IQAC has one member from student council. Overall control and monitoring of Central (Institutional) IQAC is through Quality Assurance and Enhancement (QAE) for the effectiveness of the overall processes and systems.

University department Students' Council and University Students' Council: As per the Maharashtra Public University Act 2016, there has to be students' council at department level and University level.

The University Students' Council is consisting of the following members, namely:-

1. President, elected by the members of University Students' Association from amongst themselves ;
2. Secretary, elected by the members of University Students' Association from amongst themselves ;

3. One Lady Representative, elected by the members of University Students' Association from amongst themselves ;

4. One representative belonging to SC or ST or DT (VJ) or NT or OBC or SBC, by rotation, elected by the members of University Students' Association from amongst themselves ;

5. One student each from *(a)* NSS, *(b)* NCC*(c)* Sports and *(d)* Cultural activities nominated by the President of the University Students' Council in consultation with the Director, Students' Development from amongst the students of the University Departments and affiliated colleges who are engaged in NSS, NCC, Sports and Cultural activities respectively on the basis of prescribed criteria ;

6. Director, Board of Student Development, Director, Sports and Physical Education, Director, Board of Lifelong Learning and Extension will remain permanent invitees.

The students' organization conducts regular meetings to ensure the system's efficiency and effectiveness in putting forward the interests and views of the students. These meetings play a major role to assess teaching, learning and support services provided to the students by the University. Office of the Director, Student Welfare monitors the functioning and effectiveness of the entire process.

Students organize domain specific events, extra-curricular events (non-domain specific), competitions and conferences honing their subject expertise skills in addition to their leadership skills. Various Clubs/Committees are platforms that offer a plethora of opportunities to students to give them a voice of their own and shed their inhibitions through an enriching and engaging experience. Clubs/Committee activities, workshops, Intra-Domain and Inter-University competitions enhance the communication skills, team management skills, leadership skills, time-management, resource management skills and above all, builds confidence in each student. Through the Club/committee platform, provided by the University, students learn to do practical implementation of the classroom learning. Office of Director, Student Development monitors the effectiveness and outcome of Club/Committee activities.

Best practices of each Department are transmitted across University to strengthen the student's platforms for holistic development of each student.

File Description	Document
Any additional information	[View Document](#)
Link for Aditional Information	[View Document](#)

5.3.3 Average number of sports and cultural activities / competitions organised at the institution level per year

Response: 84.8

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
84	114	66	79	81

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document
Any additional information	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

University has very strong Alumni network. Creating an engaged, supportive alumni network is crucial to an institution's success. An engaged alumni network allows the University to benefit from the skills and experience of the graduates, by offering their support to the students, to the University and to each other. To further strengthen a self-motivated and continuing relationship with Alumni, University has initiated structured mechanism to facilitate greater collaboration and connection for mutual well-being and progress.

Dr. Babasaheb Ambedkar Marathwada University (BAMU) has extensive list of Alumni (honouring highly esteemed positions) that includes Sukhadeo Thorat (former UGC Chairman), Nirupama Rao (former Foreign Secretary), Sunil Gaikwad (MP), Madhusudan Manikrao Kendre, Varsha Usgaonkar (Marathi Film Actress), Yogesh Shirsath (Marathi Film Actor), Janardan Waghmare (Former Vice Chancellor of SRTM University, Nanded) etc. Most of them are actively involved in overall development of University.

The University, through its research, has earned reputation in many areas of Science and Technology in the world such as Material Synthesis and Characterization, Sensor Technology, DNA barcoding, ICT etc. The University has always given a thought to have compendium of providing only best of the best education to its students, catering particularly to the socially and economically deprived class of the students. Our Alumni, on the other hand, are adding values to its reputation with their influences to the society. University is having its presence in each and every part of the world in the form of its Alumni. The University pass-outs are also outshining in the world and are taking the flagship of our Nation on greater heights. Formal Alumni Meets are such opportunities which enable Alumni to reunite with their friends and faculty members, revitalize their memories and share experiences of their past and present life. At the same time, it also enables us to receive constant updates of our Alumni and to have structured engagements with our Alumni for mutual interests and gains.

The areas where University is utilizing the Alumni Network:

1. In building the University's reputation, which relies in large part on how successful graduates are in the real world.
2. The existing students of the university have better job prospects because their seniors are creating a perfect legacy in the Government and corporate sector with their knowledge and values.

Major platforms where the University Alumni are engaged:

1. Invited Talks/ Guest Lectures/ Alumni Forums
2. As the Participants/ Speakers/ Sponsors during workshops and conference like Confluence etc.
3. Representatives of respective organizations during recruitments and motivating existing set of students by having the presence of their seniors in the organization.
4. Supporters for events like University Youth Festival as sponsors
5. Engaged with Departments in the capacity of Visiting Faculty members.
6. Alumni form the active member for University-Industry Advisory Board and contribute in review and development of the curriculum and keeping our Teaching Methodologies aligned with industry standard and requirements.
7. Alumni form the active members of IQAC at various levels. Their inputs are very significant in bringing developments and quality enhancements

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

5.4.2 Alumni contribution during the last five years (INR in Lakhs)
? 100 Lakhs

50 Lakhs -100 Lakhs

20 Lakhs -50 Lakhs

5 Lakhs -20 Lakhs

Response: 5 Lakhs -20 Lakhs

File Description	Document
Any additional information	[View Document](#)
Alumni association audited statements	[View Document](#)

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 123

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
48	26	21	14	14

File Description	Document
Report of the event	View Document
Number of Alumni Association / Chapters meetings conducted during the last five years	View Document
Any additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the University

Response:

The governance of the University has been structured to ensure effective leadership at every level and corner and is in tune with the vision and mission of the University. The vision statement of the university is as follows- ' To structure the University to be an Epitome of Excellence by creating and imparting time responsive Quality Education to address Changing Scenario, keeping Research and Development at its core, for 'Anyone' at 'Anytime' and 'Anywhere'. The University seeks to -

- Provide a platform for rural, women, socially disadvantaged and differently-abled groups to achieve Academic Excellence with in-built Employability.
- Carve out a fusion between Academics and Industry with an ultimate aim to identify the gaps and accordingly, design the courses to impart skill based education as per the requirements of the region so as to improve employability and develop entrepreneurial capabilities.
- Provide student centric learning environment and to establish platform for inclusive research leading to the development of creative thought process amongst research scholars keeping in mind societal needs.
- Nurturing innovative ideas shaping into products facilitating the spinoff and creating awareness to protect Intellectual Property (IP).
- Adopt a perennial process for bringing in excellence in teaching pedagogy by providing ICT based state-of-the-art infrastructural facilitation.
- Impart value added, culturally rich education by adopting the local to global approach.
- Ensure good Governance inculcating 'Accountability' based on 'Self-evaluation' amongst all the stakeholders of the University.

For governance, as per Maharashtra Public University Act- 2016, University has seventeen statutory Authorities (section 26) which includes Senate, Management Council, Academic Council etc and ten Committees / Councils (section 92) which includes Advisory Council, Finance and Accounts Committee, Internal Quality Assurance Committee etc.

As per Maharashtra University Act- 2016 section 9 (1), The Hon'ble Governor of Maharashtra is the Chancellor of the university and is the Head of the University. Other officers of the University includes Vice-Chancellor, Pro-Vice-Chancellor, Registrar, Deans of Faculties etc.

As per Maharashtra University Act- 2016 section 11 (1), **The Vice-Chancellor** is the Principal Academic and Executive Officer of the university and steers the University in fulfilment of its vision, mission and objectives leading the faculty and staff at all levels.

In addition to the above statutory authorities, there are several non-statutory bodies and committees.

As per Maharashtra University Act- 2016 section 13 (1), **The Pro-Vice-Chancellor**, is the academic and executive officer next to the Vice-Chancellor having purview of the entire University and shall be the

Chairperson of the Board of Deans, Board of Sub-campuses and some other boards as per Maharashtra University Act- 2016.

The Leadership of University ensures the compliance of academic and administrative processes and procedures along with the continual improvement through regular systematic audits, checks and monitoring by well-defined Quality Assurance Framework. Also, it sets the direction for all the members of University including IQAC to work collectively towards the vision and mission set by the University.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

The University practices decentralized and participative management approach in all its activities, initiatives and decision making by involving Deans, Heads of the Departments and faculty members at all levels.

University follows healthy practices of constituting several committees, sub-committees and other non-statutory bodies to discuss the issues and their complexities in depth and recommend decisions to the relevant authorities. This enables de facto decentralization, involving wider participation of the faculty and others in decision making. The University has the practice of delegation of powers from authorities to their sub-committees and from higher officers to next level officers.

The administrative and academic responsibilities are decentralized to provide effective educational leadership for effective implementation & monitoring of various policies, regulations & guidelines at various levels.

A Case Study on Process of Review of Curriculum:

The process of review of curriculum was established in consultation with the Heads of the Departments, faculty members and subject matter experts with demonstrated experience in developing or implementing similar educational processes.

Steps involved in Process of Review of Curriculum and its Details:

1. **Involvement of stakeholders' in the review process**: All Departments of the University identify eminent experts from academic institutions / Industry to integrate their feedback (formal / informal) while defining curriculum.
2. **Constitution of Curriculum Review Committee (CRC):** CRC constituted by the Head of Department of respective Departments; the CRC is consisting of three to four faculty members, one of them is the coordinator of the committee and Head of the Department is the Chairman; the CRC

deliberates on programme structure with the senior faculty of the Department. It also take feedback of industry experts, external experts from academia and research for assessing demand of programme, skill set / competencies required by the industry / profession and career opportunities for graduates.

3. **Evaluation of programme structure and course curriculum in the faculty meeting**: The CRC makes presentation of the programme structure and course curriculum in the faculty meeting; all faculty members of the respective Department meticulously evaluates the draft; after minor / major suggestions / corrections, the revised version of draft is submitted to Departmental Committee for approval

4. **Approval by the Departmental Committee (DC) :** The Departmental Committee evaluates the revised version of draft; after minor / major suggestions / corrections, the revised version of draft is submitted to the University authorities for approval

5. **Final approval by University authorities :** Hon'ble Vice Chancellor / Pro Vice Chancellor tentatively approves the draft and forward it to the Academic Council for final approval; Academic Council, after discussion, approves the draft of the programme structure and course curriculum, if found at par with requisite standard.

6. **Uploading on University website:** Approved draft of the programme structure and course curriculum is uploaded on the University website and available online for all stakeholders' of the University

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

The University has a perspective Strategic Plan and deployment document available taking into consideration the set **Objectives and Broad Based Goals** aligned with the Vision and Mission statement of the University:

The Strategic plan of the university is multi-layered as well as multi-pronged that focuses on Expansion, Inclusion and Excellence (EIE). It subsumes short term, intermediate and long term policies to cater to the ever growing number of Higher Education aspirants resulting in the enhancement of Gross Enrolment Ratio (GER) that will have positive impact on Human Development Index (HDI). Also, it aims at minimizing the menace of migration. Major highlights of Strategic Plan and deployment document are listed below-

A. Curricular Aspects

- Assessment of acceptability and time relevance of existing academic programme and initiation of

new courses / programme
- Identification of potential industrial partners for curriculum revision, students internship/in-plant training and for initiation of joint academic program
- Regular reformation in the curriculum to enhance employability and entrepreneur acumen of students
- Introduction of generic and program-specific value added courses
- Development of structured mechanism for feedback collection, analysis and action taken

B. Teaching-Learning and Evaluation

- Assessment of enrolment statistics, identification of gap areas and implementation of new strategies
- Initiation and reformation of pilot initiatives to cater student diversity
- Identification of faculty diversity and reformation in the initiatives in teaching-learning modality
- Development of structured mechanism for attainment of performance outcome of students and evaluative reforms
- Continuous reformation in teaching –learning process and enrichment of teacher profile/quality

C. Research, Innovations and Extension

- Creation of thematic research areas based on University expertise to address societal / Industrial issues
- Promotion and support to IPR related activities
- Enrichment of Departmental Infrastructure and Research Support
- Mechanized consultancy activity
- Continuous Outreach activities and inclusive research
- Establishment of Centres of Excellence (COEs)

D. Infrastructure and Learning Resources

- Augmentation of physical facilities in the campus
- Enrichment of KRC resources
- Financial Provision for infrastructure
- Creation of state of the art technical facilities

E. Student Support and Progression

- Development of all-inclusive policy for student friendly, student owned campus
- Development of student centric academics
- Establishment of a sound mechanism to ensure a positive destination for every student (Graduate Outcome)
- Engagement of alumni in developmental activity
- Exercising financial contribution from alumni for academic augmentation

F. Governance, Leadership and Management

- Creation of pathway towards good governance
- Initiation of quality measures and promotion of quality culture
- Review of effectiveness of strategic plan and subsequent modifications

- Empowerment of teaching and administrative staff

G. Institutional Values and Best Practices

- Practicing initiatives of gender and social equity, social awareness for empowerment of women and socially disadvantaged groups
- Practicing environmental consciousness and sustainability initiatives for ensuring clean and pollution free environment
- Practicing human values and professional ethics initiatives for creation of universal values and integrity among all stake holders of the University

File Description	Document
Any additional information	[View Document](#)
Strategic Plan and deployment documents on the website	[View Document](#)
Link for Additional Information	[View Document](#)

6.2.2 Organizational structure of the University including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

The University has a clearly defined organizational hierarchy and structure to support decision making processes. Maharashtra Public University Act along with Statutes and Ordinances of the University has well defined provision for various Statutory Authorities, Committees / Councils to provide policy framework and direction for the functioning of the University and for fulfilment of its objectives. As per Maharashtra Public University Act 2016, University has seventeen statutory Authorities (section 26) and ten Committees / Councils (section 92), some of them are listed below-

1. Senate
2. Management Council
3. Academic Council
4. Faculty
5. Board of Deans
6. Board of Studies
7. Board of University Departments and Interdisciplinary Studies
8. Board of Post-Graduate Education in Colleges
9. Board for Lifelong Learning and Extension
10. Board of Lifelong Learning and Extension
11. Board of Examinations and Evaluation
12. Board of Information Technology
13. Board of Innovation, Incubation and linkages

Functions of some of the authorities are as below-

The Senate gives suggestions to the university authorities on improvements that can be made in all areas and domains that are an integral part of the university namely, academics, research and development, administration and governance.

The Management Council reviews and deliberates on short and long term reforms in academic, research and development activities, finances, management and governance that are taking place at the national and global level with a view to allow them to be adapted at and by appropriate sections of the University.

The Academic Council is the principal academic authority of the university and is responsible for regulating and maintaining the standards of teaching, research and evaluation in the university

In addition to the above, each Academic Department has a number of students and faculty committees for decentralized management of activities for better functioning and effective learning of the students.

The roles and responsibilities of various bodies are well defined in order to ensure role clarity and accountability.

The administrative setup of the university is governed by Maharashtra Public University Act and the same is as per following-

- Vice-Chancellor;
- Pro-Vice-Chancellor;
- Registrar (Assisted by several Deputy and Assistant Registrar)
- Deans of Faculties;
- Director of Board of Examinations and Evaluation;
- Finance and Accounts Officer;
- Director of Sub-campus of the University;
- Director of Innovation, Incubation and Linkages;
- Director Knowledge Resource Center;
- Director of Lifelong Learning and Extension;

Service Rules, Academic Freedom Policy, Promotion Policies, Employee Satisfaction, Welfare Schemes and Grievance Redressal Mechanism are in place. The University has well-structured system for professional development of the faculty and staff. Achievements of faculty and staff are recognized with financial and non-financial incentives.

The Grievances of faculty and staff are redressed timely to keep their motivation high all time to ensure that they perform efficiently with satisfaction.

The University also has dedicated '**Women's Grievance Cell'** as per the orders of the Supreme Court

(Vishakha Judgement), 'Sexual Harassment at Workplace Act, 2013' rules with the aim of promoting gender equality and women empowerment among students and staff members.

File Description	Document
Any additional information	[View Document](#)
Link to Organogram of the University webpage	[View Document](#)
Link for Additional Information	[View Document](#)

6.2.3 Implementation of e-governance in areas of operation

    1. Planning and Development
    2. Administration
    3. Finance and Accounts
    4. Student Admission and Support
    5. Examination

All 5 of the above

Any 4 of the above

Any 3 of the above

Any 2 of the above

Response: All 5 of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
ERP Document	[View Document](#)
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	[View Document](#)
Any additional information	[View Document](#)

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

The University has various Authorities/ Councils / Committees at various levels for effective functioning

of the University and decision making as stated in the key indicator 6.2.2.

All the Authorities/ Councils/ Committees regularly meet with focus outline and issues and discuss towards effective resolution.

The frequency of the meetings of various Statutory Authorities, Bodies / Councils and Committees is given as additional information. The minutes of the meeting of all the meetings are maintained at the office of Secretary/ Member Secretary in the appropriate department/ office such as Pro-Vice Chancellor, Registrar, Director, Examination and Evaluation, Dean, Director, Student Welfare, Finance and Accounts Officer etc.

 The minutes of the meetings of majority of the Authorities/ Bodies/Committees are also uploaded on the University website.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

The University has a welfare mechanism in place, for teaching and non-teaching staff. The various welfare schemes are:

1. Financial Assistance for attending National / International Conference / Workshops
2. Seed Money (Financial assistance for Minor Research Project) to young faculty members
3. Financial assistance to meet emergency medical expenses of staff and family members
4. Non-doctoral faculties are encouraged to get enrolled for Ph.D. program through Teacher Fellowship Scheme.
5. On campus medical facilities with subsidized rates.
6. Short term advances to non-teaching staff
7. Concession in tuition fees for wards of employees

The following facilities are also provided to employees by the University, which help in maintaining healthcare, morale, safety and satisfaction:

- BAMU Clinic (Health Center)
- Yoga classes
- Wi-Fi facility
- Dedicated cabins & workstations for faculty members wherein they can perform their duties effectively
- Crèche facility

- Cafeterias (Lunch home)
- Bank facility
- Post office
- Swimming pool
- Sports arena
- Maternity benefits
- Medical leave

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years

Response: 31.71

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
50	71	76	79	70

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	View Document
Any additional information	View Document

6.3.3 Average number of professional development / administrative training programs organized by the University for teaching and non teaching staff during the last five years

Response: 23.6

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
21	21	19	28	29

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	View Document
Reports of Academic Staff College or similar centers	View Document
Details of professional development / administrative training programs organized by the University for teaching and non teaching staff	View Document
Any additional information	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 14.28

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
38	27	27	41	21

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers).	View Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

University has well defined procedure for performance appraisal system for Teaching and Non-Teaching staff. Every employee performance is assessed after completion of one year of service. Systematic evaluation of the performance of employee is done to understand the ability of a person for his/her further growth and development. There are different parameters to assess the performance of Teaching and Non-

Teaching staff.

Teaching:-

1. Every Faculty Member appointed in the University is assessed for his or her performance based on the API score of PBAS proforma.
2. The PBAS proforma has been evolved as per guidelines stipulated in "UGC Regulations on Minimum Qualifications for Appointment of Teacher in Universities and Measures for the Maintenance of Standards in Higher Education-2010" no. F3-1/2009 dated 30 June, 2010 UGC regulations.
3. The API scores as endorsed and verified in the PBAS pro-forma are the primary means of assessing a Faculty member for the purpose of promotion under Career Advancement Scheme (CAS).
4. The PBAS pro-forma filled by the Faculty Member is checked and verified by the Head of the Department at primary level and establishment section at subsequent level. At final stage, the scrutiny committee verifies the pro-forma and recommend it to the selection / interview committee constituted as per Maharashtra Public University Act and Govt. of Maharashtra Service Regulations for the final processing.
5. Recommendations are prepared on the basis of rating and grading derived from the API score, performance in personal interview and the appraisal is granted on the basis of grading.

Non-Teaching:-

Every staff member appointed in the University is assessed for his/her performance based on the grade secured in the Annual Performance Assessment Report.

1. Various parameters for staff members are assessed under following categories i.e. Assessment of work output, Assessment of Personal Attributes, Assessment of Functional Competency and they are graded accordingly.
2. The alpha-numerical grading is done and on the basis of the same, the final grading is derived. On the basis of final grading the rewards (promotions) are granted accordingly.

Every employee in the University, on the basis of performance, is granted promotion. Performance Appraisal system has helped us to evaluate the performance of employees.   The systematic procedure has been adopted and helped the University to motivate the employees for better performance. It helps the University to analyze the strength and weakness of the employees as Dr. Babasaheb Ambedkar Marathwada University is an academic institution and is committed to provide the best to their students.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The University has a mechanism for internal and external audit. The University has a full-time Finance and Accounts Officer, Accounts Officer, Deputy Registrar, Assistant Registrar assisted by several Senior and Junior Assistants, along with dedicated Audit section to ensure smooth financial transaction and maintenance of annual accounts and balance sheet of the University and audit thereof.

The University has a separate internal audit department controlled by qualified chartered accountants and experienced audit personnel.

The University's finances are regularly audited (Internal and External) by qualified independent auditors and observations / objections are being addressed time to time.

Internal and external financial audit are carried out for improving financial Governance, and management control. Finance and Accounts Department reviews each element of University Accounting System in accordance of internal control policies of Account code. The University has also conducted AG (Audit General) audit successfully. The objections raised were successfully addressed.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 261.72

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
52	63.51	39.87	13.86	92.48

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	[View Document](#)
Annual statements of accounts	[View Document](#)

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

The University is funded and supported by Government of Maharashtra, Government of India, non-government agencies viz. NGO, trust, and philanthropers and receives number of grants and donations. As a State University, the resource mobilization is through grants / funds received through above mentioned sources and fee deposits viz. affiliation fees, examination fees, admission fees, fines and various fees for the documents issued by the university etc. Other sources of financial revenue include:

- Research Project grants (through various funding agencies viz UGC, ICSSR, DST, DBT, DRDO, CSIR, BRNS etc)
- Renting auditorium, Lawn Tennis, Badminton Court, Swimming Pool
- Marketing fruits and vegetables grown in the University campus
- Participation fee in various conferences, seminars organized by the University.
- Sponsorships for various events, conferences, seminars, etc.
- Establishment of Industry Sponsored labs
- Endowments
- Training & Consultancy

As per Maharashtra Public University Act, section 94 (1) there is a Finance and Accounts Committee to plan, coordinate and oversee the financial operations of the university. It examines the accounts, the progress of expenditure and all new proposals involving fresh expenditure in the light of the provisions available.

The Finance and Accounts Committee prepares the annual estimates of income and expenditure based on inputs from various academic departments, administrative sections, IQAC and Financial Planning Sub-Committee and its recommendations along with annual budget is placed before Senate for consideration and approval. The financial planning and budget (operational expenses and capital investments) is an integral part of annual academic planning at Department and University level. The annual plans for the University are finalised by Finance and Accounts Committee and approved by Senate.

Procedure to prepare annual estimates of Income and expenditure:

- All academic departments and administrative sections propose their annual financial plans based on academic planning to the Finance and Accounts Committee of the University to achieve educational purposes and objectives.

- Respective heads of academic departments and administrative sections makes presentation of proposed budget in presence of Chairman of Finance and Accounts Committee, Registrar and Finance and Accounts Officer.
- The proposed budget is examined and approved by the Finance and Accounts Committee of the University for the academic year.
- The administrative and financial approvals are taken from competent authority (Senate) as per provisions of Maharashtra Public University Act.
- The various heads for which budget is prepared and funds are allocated, are provided in the financial guidelines (budget book) published annually by the University.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

The IQAC in the University is constituted at two levels:

1. Departmental level
2. University level

The IQAC has contributed in institutionalizing quality assurance strategies and processes at all levels. The IQAC at Departmental level conduct meeting at least once in a month. All Academic and academic administrative activities/events are mapped in the Academic Calendar of the Department and University.

The University level IQAC meets at least thrice in a semester.

The following decisions of University IQAC are placed before the statutory authorities of the

University:-

- Annual Quality Assurance Report (AQAR)
- Quality Initiatives prepared by IQAC (Annual Academic Planning)
- Self-Study Report for NAAC
- Proposal for NIRF
- Audit reports (AAA, ISO etc)
- Stakeholder's feedback
- Status of Corrective and preventive actions (Action Plan)

The four examples of practices institutionalized as a result of IQAC initiatives are given as under:

1. The Semester-wise Academic Planning is regular activity of University and Departmental level IQAC for smooth functioning of academic operations of the University. The University level IQAC conducts meeting in the beginning of each semester with all Heads of the Department to discuss various issues related to academic operations of the university in line with the strategic plan of the University. The Semester-wise Academic Plan is designed to be participatory and consultative for the growth of Students, Faculty, Departments and University.

2. University level IQAC has conducted meeting with all Heads of Academic Departments, all faculty members, all administrators to discuss qualitative and quantitative metrics. It was followed by several meetings and identified weaknesses and strength of the University (SWOC analysis). A comprehensive action plan was prepared to address various issues and capitalize the strength of the University. Moreover, a centralized data collection system has been developed by developing in-house software by the UNIC (University Network Information Centre) team. The Departmental level IQAC follows the action plan prepared by University level IQAC.

3. University level IQAC conduct meetings (in the beginning semester) with Heads of the Departments for preparation of comprehensive plan for generation of funds through Government, non-Government sources and arranging sessions (Department-wise) with the students to create awareness about various scholarships / fellowships, progression to higher education and placement. Subsequently, Departmental IQAC conducts sessions with the faculty members and students for further implementation of the plan prepared by University level IQAC. This initiative have resulted into receipt of Grants though Major Research Projects and Infrastructural Projects and large number of student fellowships.

4. University level IQAC recommends the Research Centers of the University viz. RUSA Centre for Advanced Sensor Technology and Paul Herbert Centre for DNA barcoding and Biodiversity Studies to conduct special programme for students (UG / PG / Research Scholars) to motivate them for doing innovative research, converting their laboratory research into product and IPR awareness.

The decision of the University IQAC is placed before the statutory authority(s) of the University for deliberation, approval and ratification. After approval of the statutory authority, the matter is sent to the Departmental IQAC and University/Department/Support Offices for level-wise implementation.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

The IQAC at both the levels continuously reviews the teaching-learning processes. The IQACs are supported by a robust system of continuous review of teaching-learning processes through respective

Departments and University level Committees.

Departments:

- Curriculum Review committee (CRC)
- Departmental Committee (DC)

University:

As per Maharashtra Public University Act – 2016, section 92, following are the Committees and Councils constituted , namely:-

(i) Advisory Council;

(ii) Finance and Accounts Committee ;

(iii) Internal Quality Assurance Committee;

(iv) Knowledge Resource Committee ;

(v) College Development Committee ;

(vi) Purchase Committee ;

(vii) Students' Council ;

(viii) Buildings and Works Committee ;

(ix) Fee Fixation Committee; and

(x) Alumni Committee.

Out of which Advisory Council, Internal Quality Assurance Committee, Knowledge Resource Committee, College Development Committee, Students' Council, Fee Fixation Committee and Alumni Committee are responsible for reviews of teaching learning process, structures & methodologies of operations and learning outcomes. Other two committees are accountable for student centric transparent financial processes, civil construction and maintenance related activities that are supportive for teaching-learning process.

The Programme Structure, Course Syllabus, Course Session Plan, Time-table, Master Academic Planning Worksheet (Academic calendar) are made available to the students before the commencement of the semester. Daily monitoring of conduct of the classes is done by the respective department and centrally by   Academic section of the University.   Regular meetings of course faculty are held in the respective department to review the course delivery and student learning progress. Feedback from students is also taken through Departmental Committee (DC) meetings. Feedback of all stakeholders' are discussed in the faculty and DC meeting of respective departments and corrective measures are taken accordingly to

improve the teaching-learning processes. The DC of respective department regularly conducts various satisfaction surveys (formal and informal), and meticulous evaluation of annual comprehensive examination results for assessing various student learning outcomes. The analysis reports generated from this data are shared with Dean of the respective faculty and University IQAC to review the teaching-learning processes.

Based on the recommendations of IQAC, the teaching-learning processes are reviewed. Some of the prominent examples of outcome of review of processes are as under:

- Incorporation of 25 % research component in all PG curriculum
- Commencement of value addition courses for all PG programme
- Making 2 credit course on 'Indian Constitution' mandatory for all PG programme
- Allocation of grants for PG student research for all PG programme (form University funds)

The frequency of the IQAC meetings are planned based on suggestion(s) from each Chairperson / Coordinator of various committee/ criteria according to the calendar/Time Table uploaded and approved by the competent authority. Also, all the processes, right from admissions to convocation, are monitored for compliance by IQAC.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 16

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
27	39	06	05	03

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	[View Document](#)
Any additional information	[View Document](#)
IQAC link	[View Document](#)

6.5.4 Quality assurance initiatives of the institution include

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
2. **Academic Administrative Audit (AAA) and initiation of follow up action**
3. **Participation in NIRF**
4. **ISO Certification**
5. **NBA or any other quality audit**

Any 4 of the above

Any 3 of the above

Any 2 of the above

Any 1 of the above

Response: Any 4 of the above

File Description	Document
e-copies of the accreditations and certifications	[View Document](#)
Details of Quality assurance initiatives of the institution	[View Document](#)
Any additional information	[View Document](#)
Annual reports of University	[View Document](#)

6.5.5 Incremental improvements made during the preceding five years *(in case of first cycle)* **Post accreditation quality initiatives** *(second and subsequent cycles)*

Response:

University has adopted an effective internal and external quality enhancement mechanism. The Internal academic and administrative processes are monitored continuously and are audited through a robust audit system. The University also undergoes external quality audits of its processes by way of external audits and accreditations. The reports of these bodies form an input to the Internal Quality Assurance processes, thus paving a pathway for improvement measures.

Incremental continuous improvement is an ongoing effort in the University to improve systems and processes. The observation / suggestions given by the external agencies are followed up rigorously till they are fulfilled and further benchmarked for next higher level.

As the University is going to face 3rd cycle of NAAC Accreditation, major post accreditation quality initiatives taken by the University during last five years, are as under:-

1. **Filling of vacant teaching position** : Although university is autonomous institution, State Government approvals are needed to be obtained for filing vacant posts. State Government has temporarily stopped giving approvals for teaching and non-teaching positions; however, University has appointed teaching and non-teaching staff from its own funds on ad-hoc basis to avoid academic losses

2. **Activation of Foreign Students' cell and streamline the admission process**: University has established dedicated Foreign student Cell to address their issues right from admissions to award of the degree.

3. **Building International Hostel with Modern facilities** : University has recently constructed Hostel for International Students and it is functional

4. **Introduction of formal Feedback analysis and follow up system:** University has developed mechanism for feedback collection, analysis and action taken.All departments collect feedback from all stakeholders' at the end of each year.The entire system which includes feedback, analysis and action taken is available on University website.

5. **Measures to develop communication skills of the students:** University has conducted Departments-wise value added training programmes to enhance soft skills of the students.

6. **Steps to improve student Placement (Strengthening guidance, counselling and placement cells) :** University has initiated following steps to improve student placement during last five years : Dedicated Placement Cell is established in the campus; Dedicated 'University – Industry Interaction Cell' is established for strengthening Industrial linkages; University has a National Career Service and Model Career Center at the Campus of University at NIELIT.

7. **Tapping faculty potential effectively to enhance consultancy:** University has developed structured mechanism for generation of revenue as per the consultancy policy of the University.

8. **Strengthening teaching-learning facilities including hostel at Osmanabad Sub Campus:** There has been substantial improvement in the teaching-learning facilities at Osmanabad sub campus of the University. At present, all Departments have been shifted to new building with state-of-the-art teaching learning facilities which include well-furnished class rooms, smart class rooms and modernized laboratory equipments.

9. **Introduce vocational courses in basics science, liberal arts and humanities:** University has established Deen Dayal Upadhyay KAUSHAL Kendra to impart skill based education in the area of Industrial Automation and Automobile. Gopinathrao Mundhe National Institute for Rural Development has been established in the campus to cater specific issues of rural regions.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 116

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
24	21	30	17	24

File Description	Document
Report of the event	[View Document](#)
List of gender equity promotion programs organized by the institution	[View Document](#)
Any additional information	[View Document](#)

7.1.2 Institution shows gender sensitivity in providing facilities such as
a) Safety and Security
b) Counselling
c) Common Room

Response:

University has never discriminated any of its stakeholders on the basis of gender, cast, religion and region. In fact, Regulation and Policy guidelines for admission, recruitment, administrative function and academic / administrative activities safeguard the interests of the students, faculty and staff members without any differentiation to their gender. True spirit of education is being practiced in the University i.e. no discrimination against caste, creed, religion and gender including third gender. The University provides safety, security & counselling facilities to both male and female students /staff.   The life skills education training to the students, faculty & staff has developed a conducive professional relationship. In the beginning of every academic year, all new students undergo department-wise induction programme to understand the needs, concerns and characteristics of diversified students in the campus. Advanced online counselling system facilitates quick response to queries and solutions of problems faced by any student or faculty. There are separate hostels with caring and responsive wardens with appropriate security arrangements for boys and girls, there is adequate rest room facility for boys and girls across the campus establishments.

The University ensures the participation of girl students in intra, inter-departmental and inter- university

competitions and cultural activities. Students are active members of cultural and sports committee at the department and university level and participate in various academic and cultural activities, University Youth Festival, Sports Competitions etc.

Some of the programme undertaken by the University in the recent years:

University has organized more than 100 programme for gender sensitization and women empowerment. Some of them are listed below:

Academic Year	Title of the programme	Date and Duration (from)	Date and Duration (to)	Number participants	o
2013-14	Gender & Masculinity Workshop	08-01-2014	09-01-2014	64	
2013-14	Media & Women	16-09-2013	16-09-2013	58	
2014-15	Two Days Workshop on 'New Trends in Women's History'	10-10-2014	11-10-2014	92	
2014-15	Five Days Workshop on 'Gender Orientation'	09-02-2015	13-02-2015	39	
2014-15	Lecture : Challenges before Women's Studies & Current Situation	14-11-2014	14-11-2014	31	
2015-16	Two Days Workshop on 'Gender & Film Making'	15-01-2016	16-01-2016	85	
2015-16	Two Days Workshop on Gender Orientation	29-09-2015	30-09-2015	88	
2016-17	Workshop on 'Gender Orientation'	21-02-2017	21-02-2017	39	
2017-18	Male & Masculinity Workshop	03-11-2017	03-11-2017	122	
2017-18	Lecture : Problems of Islamic Women in India	15-12-2017	15-12-2017	86	
2017-18	Orientation Program about Sexual Harassment of Women at Workplace Act	23-08-2017	23-08-2017	232	
2017-18	Gender Development Index	21-09-2017	21-09-2017	42	

The University has created gender sensitive environment in the campus. The academic ambience of the University promotes sensitivity and respect for each other.

All programme offered by the University are common to all- irrespective of genders without any bias. In addition, workshop /training programmes are conducted on legal rights, protection from domestic/social violence, and gender sensitivity to all the students of the University.

The University has constituted Vishakha Committee in all Departments to address the issues related to sexual harassment and other problems.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

7.1.3 Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 26.36

7.1.3.1 Annual power requirement met by renewable energy sources (in KWH)

Response: 459064

7.1.3.2 Total annual power requirement (in KWH)

Response: 1741363

File Description	Document
Details of power requirement of the university met by renewable energy sources	[View Document](#)
Any additional information	[View Document](#)

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 33.02

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 139411

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 422213

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document
Any additional information	View Document

7.1.5 Waste Management steps including:
- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

University is very conscious of generating less waste and its effective management ensuring that less natural resources are consumed so that the eco-friendly environment in the campus can be enhanced and nurtured.

University has adopted practices of optimal uses of resources to minimize the waste.

Energy conservation:

- Electricity consumption is reduced by turning off electric devices like computers, fans, lights, air conditioner etc. before leaving the rooms, as a regular practice.
- The fans and lights in the room are controlled by a single switch outside the room. Thus at the click of the switch fans and lights of each room, department, the whole building can be turned off/on.
- Class rooms, laboratories, offices, seminar hall, board room, library, study room, cabins etc. are equipped with window curtains to reduce heat conduction and subsequently reduce the consumption of electricity.
- Adequate inflow of natural light and air circulation is ensured while designing and construction of new buildings.

The university has segregated wastes into four parts:

1. Solid Waste
2. Liquid Waste
3. Hazardous Lab Waste
4. E-waste

Solid Waste: Such waste is generated by all sorts of routine activities carried out in the University that includes paper, plastics, glass, metals, foods, etc. The waste is segregated at each level and source. The administrative supervisor in each block ensures that the waste in each floor is collected at designated time intervals. The block safai workers in each floor collect, clean, segregate and compile the waste in the

dustbins provided at each floor. The floor dustbins are emptied in movable containers/dustbins provided for each block and is taken to the dumping yard provided by the University. Biogas unit is established near lunch for (for food and beverages waste).

Liquid Waste: Liquid wastes generated by the university are of two types:

1. Sewage waste
2. Laboratory and cafeteria effluent waste

University has created a pit nearby respective buildings for effective disposal of this class of waste.

The **Hazardous Lab & other Waste Disposal**, as a Standard Operating Procedure has been evolved for handling the hazardous waste. For disposal of hazardous wastes, Government approved agency has been assigned to collect the same from the designated point earmarked as 'Hazardous Waste Room'.

e-Waste Management : Memory chips, motherboard, compact discs, cartridges etc generated by electronic equipments such as Computers, TV, Phones, Printers, Fax and Photocopy machines are recycled properly. The e-waste generated from hardware which cannot be reused or recycled is being disposed off centrally through authorized vendors.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Rain water is a precious resource due to substantial increase in demand of water due to ever growing human footprint. Natural changes in rainfall patterns due to artificially created obstacles in the country have seen both drought conditions and flood in various part of the country. Therefore, existing resources of water need to be optimally utilized and rainwater harvesting is invariably needed to be carried out with highest priority which also contributes to increase in the ground water level for future water needs.

University has rain water harvesting system for most of the buildings in the campus. Rain water is captured from the catchment area that is the roof of the university buildings which is further channelled in to the pipelines that carry rainwater from the rooftop to the harvesting system.

Rainwater Harvesting facility consists of an elaborate network of rainwater harvesting bore wells and

Bandharas spread all over the campus.

- Numbers of wells: 43
- No. of bores wells: 15
- Number of Bandharas : 17

Water Conservation Measures: This University has been converted to 'Jalyukta University' by creating 17 number of Bandharas in the campus to avoid the discharge of rain water outside the campus. This has helped to become the university campus almost zero water discharge campus, which means that almost no water is discharged outside the campus and all the water is treated and recycled for horticultural activities. This saves potable groundwater and supply of plant treated water by government agency.

University strives towards developing water conservation and water efficiency through following strategies:

1. Promote water efficiency practices to all the University's stakeholders.
2. Monitor and minimize the University's water consumption.
3. Plant specific flora to reduce water usage.
4. Promote planting specific trees in and around the University to reduce water usage.
5. Regular review of opportunities to install alternative water systems on campus wherever feasible.
6. Sustain implementation of innovative water-efficient technologies such as rainwater harvesting, reuse of water etc.

Campus also maintains efforts of students, faculty and staff to implement sustainable water consumption system through the above mentioned interventions.

Students' knowledge regarding the scope and operations of rainwater harvesting and conservation techniques (used in this university) is enhanced through various activities.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

7.1.7 Green Practices
- **Students, staff using**
a) **Bicycles**
b) **Public Transport**
c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

The University has a magnificent campus of 725 acres of land, with the naturally beautiful surrounding. University has maintained greenest environment on its naturally eco-friendly campus. Plantations, lawns, gardens have been specially developed and are well maintained. The systems and processes are also checked for their greenness on regular basis.

University has adopted following green practices –

Use of Bicycles by students and staff: Students and faculty members are encouraged to use gasoline free vehicles / Bicycles in the campus.

Pedestrian friendly roads: University has constructed pedestrian friendly roads in the campus.

Less Plastic campus: University ensures less plastic campus. Use of Plastic bags, utensils and other stuffs are strictly discouraged and the NSS Volunteers of the University keep on creating awareness in this regard.

Paperless (or Less- paper) office: University has partially automated office transactions in administrative, account, academic section of the university and ensures less paper office.

Green landscaping with trees and plants: The horticulture section of the University ensures green landscaping with trees and plants.

The University embraces principle of sustainable development to ensure that any adverse environmental impact of its activities is minimized through various green initiatives.

The University has carried out detailed studies of environmental aspects. Based on this studies, significant impact areas have been identified such as paper usage, use of plastic and polythene, Transport, DG set, etc. Based on the analysis, Operating Control Procedures (OCP) like *reuse, reduce and recycle* are devised, monitored and implemented.

University has encouraged students and faculty members to minimize the use of gasoline driven vehicles with in the campus. Therefore, most of the Faculty and students don't use gasoline driven vehicles to move from one place to another in the campus. In addition, the university has planned to purchase battery operated vehicles for internal movements.

University encourages the Students' through NSS to participate in campaigns like *'Adopt a Tree'*, *'Plantation Drive'*, *'Awareness against deforestation'*, *'Conserve native species of plants and trees'*. The campus has green landscaping of plants and trees which covers 80% of the area, having varieties of plants and trees which includes Ashoka, Gulmohar, Kadamba, Neem, Arika Palm, Snepra, Shesum etc. Most of open area in the campus has been kept green through heavy foliage of grass, seasonal flowers, trees and are maintained by horticulture department of the University.

Water Conservation Measures. The University campus is almost zero water discharge campus, which means that no water is discharged outside the campus and all the water is treated and recycled for horticultural activities.

Environment Studies (EVS)/ Environmental Management is compulsory in first year of most of the UG programmes.

Energy Audit: The Estate Office of the university has carried out energy audit of the entire campus. As per the recommendations, alternate sources of energy have been explored and   implemented during last five years.

Maximized usage of day-light: The rooms are constructed (in new buildings) in such a manner that maximum daylight should be received at class rooms and laboratories.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 1.55

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
114.19	106.93	57.41	50.72	50.71

File Description	Document
Green audit report	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document
Any additional information	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. **Physical facilities**
2. **Provision for lift**
3. **Ramp / Rails**
4. **Braille Software/facilities**
5. **Rest Rooms**
6. **Scribes for examination**
7. **Special skill development for differently abled students**
8. **Any other similar facility (Specify)**

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: B. At least 6 of the above

File Description	Document
Resources available in the institution for Divyangjan	[View Document]
Any additional information	[View Document]
link to photos and videos of facilities for Divyangjan	[View Document]

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 64

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
15	18	12	10	09

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	[View Document]
Any additional information	[View Document]

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 95

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
21	21	18	16	19

File Description	Document
Report of the event	[View Document](#)
Any additional information	[View Document](#)

7.1.12
Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
Any additional information	[View Document](#)
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	[View Document](#)

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Any additional information	[View Document](#)
Provide URL of website that displays core values	[View Document](#)

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	<u>View Document</u>
Any additional information	<u>View Document</u>

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Any additional information	<u>View Document</u>
Provide link to Courses on Human Values and professional ethics on Institutional website	<u>View Document</u>

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

File Description	Document
Any additional information	<u>View Document</u>
Provide URL of supporting documents to prove institution functions as per professional code	<u>View Document</u>

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 78

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
18	22	18	12	8

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

University, through NSS and Student Development Section, celebrates various National festivals, birth and death anniversaries of various National Leaders and social reformers.

The students' development department has constituted a committee consisting of faculty members from university departments to suggest names of scholars, academicians, leaders, public speakers, and renowned personalities who has extensive credential in the given field as invited speaker / resource person and/or guest for the birth / death anniversaries of great Indian personalities / social reformers.

Students organize and participate in competitions, cultural events and Institutional fests through NSS and students development department. University celebrates important days such as Independence Day, Republic day with patriotic fervour to make the dream of a new tomorrow coming true. Theme based activities and events are organised to celebrate World Tourism Day, World Physiotherapy Day, International Youth Day, and Rashtrabhasha Diwas.

International Women Day is celebrated to highlight the achievements of women. The day also marks a call to action for accelerating gender parity.

Teachers' Day is celebrated to mark birth anniversary of Dr Sarvepalli Radhakrishnan. To mark assassination of Mahatma Gandhi on Martyrs day (30th January) a two-minute silence in memory of Indian martyrs is observed throughout the University.

During last five years many events have been organized at the occasion of national festivals and birth and death anniversary of the great Indian personalities. Some of them are listed below-

30th Jan--- Martyrs' Day

14th Jan— University Renaming day

26th Jan— Republic Day

19th Feb --- Shri Chhatrapati Shivaji Maharaj Jayanti

14th April— Dr. Babasaheb Ambedkar Jayanti

1st May— Maharashtra Din

21st May ---   Anti-Terrorism day

15th Aug—   Independence Day

20th Aug ---   Rajiv Gandhi Death Anniversary / Aadbhavna Divas

23th Aug—   University Foundation Day

17th Sept—   Marathwada Muktisangram Din

31st Oct—   SardarVallabhai Patel Jayanti / National Unity day

14th Nov -   Birth Anniversary of Pandit Jawaharlal Nehru

19th Nov—   Indira Gandhi death anniversary / Ekatmata din

26th Nov—   Preamble reading / National Constitution Day

6th December—   Dr. Babasaheb Ambedkar Mahaparinirwana Divas (Death Anniversary)

Following eminent personalities were invited for the various programmes mentioned above.

Dr. Tatyarao Lahane, Dr. Vivek Kumar, Mr.Gangadhar Gadhe, Dr.Vijay Pandhripande, Dr. Nagnath Kotapalle, Dr. Ram Takwale, Dr. N.J. Pawar, Dr.Vyankatesh Kabde, Dr. Rajesh Tope, Dr. Faujiya Khan, Shri Sanjay Pawar, Dr. Raosaheb Kasbe, Shri Sohanlal Ginthani, Prof HariNarke, Shri Dnyanesh Maharao, Shri Ram Bhogle, Shri Raosaheb Danwe, Dr. Vijay Bhatkar, Dr. Y.M. Pathan, Dr. Vijayanna Borade, Dr. L. R. Mali, Dr. Himmatrao Baviskar, Dr, J. M. Waghmare, Adv. Bhagwanrao Deshpande, Dr. Netrapalsingh, Rajmata Shubhaginiraje Gaikwad, Shri Baba Bhand, Dr. Yashwant Manohar, Shri Siddharth Kharat, Shri Amar Habib, **Justice B. N. Deshmukh**, Shri N.D.Mahanor, Shri Vinod Tawde, Shri Raosaheb Kale, Dr. Ram Deshpande, Shri Ramesh Shinde, Shri Krishna Bhoge, Prof. Narendra Mohan, **Prof. Ved Prakash**, **Prof. Sukhdeo Thorat**, Dr.Ashok Kukade, Dr. Surendra Dhaktonde, Dr. Gangadhar Pantawne, Dr. Umakant Dangat, Mr. Vijay Chormare, **Justice C.L Thool**, Shri Mahesh Bhartiya etc.

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

University has clearly defined the vision, mission and objectives at all levels and ensured the good governance, transparency and accountability. Moreover, stakeholders and beneficiaries are also involved in the functioning of the university.

Transparency in Academic process is ensured through:

1. Admission advertisements published in all newspapers and website of the University
2. Fully automated Admission Process.
3. Admissions through online CET
4. Admissions purely on merit
5. Transparency maintained with respect to the fees structure.
6. Direct dealing with students as University does not entertain any agents/ consultants
7. Withdrawal and refund policies are strictly followed as per UGC/State Government norms

Transparency in evaluation process

1. Heads of the Department conduct orientation programme for the students of respective departments to make them aware about the examination regulation and scheme.
2. Familiarization of various stakeholders about examination regulations, orientation programs for students and availability of regulations on University website.
3. Defined assessment/examination scheme CBCS structure, weightage of Continuous Internal Assessment (CIA) and Semester-End Examination (SEE) of the respective courses are made available on University website in the beginning of semester.
4. The evaluated answer scripts of Internal Tests (Continuous Internal Assessment (CIA)), Semester-End Examination (SEE), assignments, and projects are shared with the students and their grievances (if any) are resolved at respective department level.
5. The feedback of stakeholders on curriculum is analyzed and suggestions are implemented for further improvements.

Regular inputs are taken from Heads of the Department, faculty and staff through monthly meetings for continuous improvement in the system. Online feedback system has been developed for inviting suggestions on curriculum from all stakeholders for further improvements.

Periodic review meetings at various levels are conducted to ensure transparency, accountability and corrective measures initiated and implemented.

Transparency in financial functions:

The University has developed strategies for mobilizing resources and ensures transparency in financial management of the University. Budgeting and optimum utilization of finance as well as mobilization of resources are the key issues handled by the University Management. There are established procedures and processes for planning and allocation of financial resources which leads to effective & efficient use of financial resources. The Budget Process, which is an inclusive and collaborative process, is as follows:

- Departmental Budget Templates are circulated to collect the Budget Requirements for forthcoming year.
- The respective HODs of the departments then submit their requirements in Standardized format.
- The various heads of budget includes departmental recurring and non-recurring requirements consisting of staff cost based on the manpower plan, student & faculty related expenses, event expenses, research & development, administrative expenses including lab consumables, repairs & maintenance & other infrastructure related expenses, etc.
- The utilization of the current year approved budget along with the budget projected for the forthcoming year is presented to the Finance Committee.
- After the approval of the finance committee, it is approved by the Senate.

Feedback from the stakeholders on a regular basis and acting on the same is an effective mechanism to ensure transparency and effective management.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practice 1:

1. **Title of the practice**: Earn and Learn Scheme
2. **Objective of the Practice:** To provide financial assistance (while learning) to the students who are from economically disadvantaged class, and have good academic records but cannot afford higher education; To involve the students in academic, administrative and other activities of the institution; To prevent students from unnecessary distractions and engage them in meaningful, positive activities.
3. **The Context:** Marathwada is a considered to be socially and economically deprived region of Maharashtra.Majority of the people in this region have agriculture as main source of income.Marathwada has been a drought-prone region, since scores of decades. Almost every twenty years, a major drought has hit the region, while drought alike situation is prevailing throughout. Because of low income livelihood youth education becomes the biggest challenge for people dwelling in this region. Students pursuing higher education experiences financial hurdles which hampers their academic progress. Dr. Babasaheb Ambedkar Marathwada University has one of its mission to provide a platform for socially and economically deprived class of the students.Therefore, this University has devised the 'Earn and Learn' scheme to provide support to students to cater their requirements while learning.
4. **The Practice**: University initiated this scheme from 1979. University has adopted highly transparent mechanism to shortlist the students for this scheme. Students have to submit their application along with income certificate of their parents in the respective departments in response to the notification issued by Director, Students Development. The received applications are reviewed by the committee constituted by the respective Heads of the Departments. The students have to appear for the interface meeting (interview) with the committee and based on the academic performance and economical background, the students are shortlisted for the scheme. The students shortlisted and enrolled under the scheme are given the following types of assignments such as –

clerical work in the office and library, technical work in the laboratory etc. The students are also volunteering their services for maintaining the university campus neat and clean, maintaining the Gardens and lawns in the campus, taking care of plants and trees etc. Students are spending couple of hours on the field almost every day for above mentioned activities. Moreover, while assigning the responsibility, university ensures equal distribution of work among the enrolled students so that everybody gets an opportunity to enhance their skills. Students working under this scheme are paid an honorarium of Rs. 2000/- per month. Attendance records of all enrolled students is strictly maintained by the supervisors on the field and Heads of the respective departments / section and payment is made as per the attendance sheet. The students are advised to open bank account and payments are made through online process.

5. **Evidence of Success**: Approximately 1,17,228 students have been benefitted till date since inception of this scheme. Some of the key features and significant achievement of this scheme are listed below- 75% Rural Students including boys and girls are pursuing their education in the university and this provides status of rural university to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad; Most of the needy students in the campus are being benefited with scheme; Students work at ground / field for two hours in the morning for maintaining cleanliness, manufacturing items like envelopes, files, folders, which are being used at all the administrative and academic sections of the university; M.Phil and Ph.D Students working under this scheme are also working the academic departments to assist Administrative staff; Approximately 77% Students working under this scheme are wards of parents under BPL category; Approximately 60% of Students in this scheme are enrolled under the faculty of Social Science; Approximately 70% students would not have completed their education without getting assistance from the scheme; 387 Affiliated Colleges are also benefitted by this scheme. University pays Rs. 5,000/- to each of the 387 colleges and college adds the same amount. Affiliated colleges supports five students every year under this scheme; Students experience a concept of self-reliance and understand the concept of entrepreneurship to initiate their own start-up in the future; Through this scheme, students have planted 5000 trees in the university campus; Under the scheme of Water Conservation –Jalyukta Shivar (Jalyukta Vidyapeeth – A Water University) have constructed two water storage tanks which help us to maintain green lush university campus. With this initiative, 10,000 liters of water has been conserved per year till date; Students have planted more than 7000 trees under commercial Horticultural project on 150 acres of barren land of university; The university has constructed and separate hostels for male students enrolled under Earn and Learn scheme which is being provided to the students at subsidized rate.

6. **Problem Encountered and Resources required:** One of the major challenges /problems the university have encountered is continuous demand from the students to increase their monthly remuneration due to elevation in the expenses of living cost. Since, huge number of students are participating in this scheme it becomes challenging for the university to fulfil this demand of the students. However, very recently university has increase their monthly remuneration to Rs. 2,000/- (which was Rs 13,00 earlier). University is exploring possibility for taping funds from various Industries under CSR so that their monthly remuneration can be increased further to meet their monthly expenses.

Best Practice 2:

1. **Title of the practice**: Promotion of Research and Innovation
2. **Objective of the Practice:** Motivation towards idea generation, innovative research, product

development and commercialization of ideas / research outputs; Creation of state-of-the-art facilities for encouraging and augmenting research; Understanding of market niche for research design; Industry participation in demand analysis and product development; Generation of awareness to protect intellectual property

3. **The Context:** It is a well-recognized fact that Research plays an important role in the overall social and economic growth of a country. Research refers to a creative and intellectual work which is undertaken in organized manner to enhance knowledge base and intellectual capabilities of an individual. In the context of education, it would refer to solving educational and societal problems by adopting scientific methodology. However, the progress in the research in India is inconsistent; as a matter of fact, the prestigious / premier institutions and institutions of national importance are excelling in research, while the mediocre institutions are lacking substantially. In recent years, the Government of India, through many initiatives such as Atal Innovation Mission, Make in India, Digital India, Skill India has taken a number of steps to promote research and entrepreneurship among the students. However, it is well accepted that the significance of research arises from its promotion of creative thinking; finding solutions to impending problems in a methodical, scientific and well-determined way; promoting further studies in the area of interest and remaining up-to-date with the latest developments in the selected field of study. Unfortunately, Indian Education System is hindered with a number of constraints and research is one of the major issues. Carrying out research in India has a number of challenges such as absence of intellectual inspiration, emphasis on rote learning, lack of scientific state-of-art infrastructure, lack of scientific knowledge, lack of incentives for promotion of research and training in Research Methodology. In the globalized world, it is imperative to have knowledge driven growth powered by innovation. A number of steps could be implemented to foster research such as encouraging students and faculty members to undertake research based societal issues and problems in the industry, industry-academia collaboration, development of vocational skills, provision of more funds and inclusion of research as a criterion for faculty promotion. India has a well-acclaimed Brain Power and promotion of research is the key to help India to move up in the global intellectual ladder. With this view, Dr. Babasaheb Ambedkar Marathwada University has developed strategic plan for the promotion of research. As a result, many students and faculty members have undertaken research problems based on current societal issues and problems of industries while transforming their laboratory research into commercially viable products.

4. **The Practice**: University has established dedicated research centres in the campus of university such as i) Paul Herbert Centre for DNA Barcoding and Biodiversity Studies ii) RUSA Centre for Advanced Sensor Technology iii) Centre for Coastal and Marine Biodiversity iv) Centre of Potential Excellence in Rural Development v) Gopinath Mundhe National Institute for Rural Development and created state-of-the-art scientific infrastructure in many Departments such as Department of Physics, Department of Computer Science & IT, Department of Chemical Technology, Department of Chemistry, Department of Botany, Department Zoology. Capacity building programme such as familiarization workshop for motivation of students and young faculty members towards innovation research, hands-on training, IPR workshops, collaborative research activities have been regular activities of these centres and departments. Moreover, university has also Established Dr. Babasaheb Ambedkar Marathwada University Innovation and Incubation Hub in which three incubation centres – viz. i) Bajaj Incubation Centre with the support of Bajaj Auto Pvt Ltd (Rs. 1.5 Cr) ii) Atal Incubation Centre, supported by Atal Innovation Mission, MHRD (10.0 Cr) iii) MsINs Incubation Centre, supported by Govt of Maharashtra (Rs. 5.0 Cr). The main objectives of these centres are to provide an opportunity for the students and faculty members to transform their research output into commercially viable products.

5. **Evidence of Success**: The promotional activities undertaken by the university during last five years

have been resulted into substantial increase in the research output. Some of the highlights of our achievements are enlisted below:-Total number of research papers in Scopus, Web of Science, SCI, PubMed, India Citations and UGC listed journals are more than 2000 during last five years; Field Weighted Citation Impact of research publications of the University during 2014-17 is 1.05 while world average is 1.0 (as per scival data base); Around 20 IPR workshops have been organized by the centers for creating IPR awareness among the research scholars and faculty members; As a result, 02 patents have been granted, 07 published and 15 patents have been filed and 10 copyrights have been granted; Eight (08) start-ups have been initiated; Around 35 familiarization workshops and hands-on training programme have been organized by the centres; More than 100 collaborative proposals from various universities and affiliated colleges have been initiated; More than 200 joint research papers have been published in Scopus, Web of Science, SCI, PubMed, India Citations indexed journals under collaborative research activities; Some of the prominent achievements of RUSA Centre for Advance Sensor Technology; The state-of-the art facilities have been created viz. Indigenously developed Chemical Vapor Deposition System, CH Electrochemical workstation, Semiconductor Characterization System, Probe Station, Hyper spectral Spectrophotometer, Indigenously developed Gas Sensing system, Clean rooms of class10000 with Mask Aligner, E-beam Evaporator, wire bonder, Characterization facilities X-ray Difractometer, STM, AFM, FTIR, UV-Vis Spectrophotometer etc for materials synthesis, characterization and device fabrication; Students and faculty members of University campus and affiliated colleges are sharing this infrastructure. The infrastructure is open for research enthusiast across the country; This Centre has conducted 15 familiarization workshops and hands-on training during last year and so far more than 1000 researchers have been trained across the country; All these trainees became an integral part of this center and at present this Centre is having 25 collaborative projects across India; This Centre has published 30 joint research papers in Scopus, Web of Science, SCI, indexed journals have been published under collaborative research activities; This Centre has developed a two prototype Sensor devices viz. **'Amo Safe'** and **'Quadra Analyte Sensing Gadget'** for detection CO, CO2, NH3, BTEX and Transfer of Technology to the Industry is under process. The cost of both Devices is ten time lower than commercially available devices. Many Industries are approaching this center for Expert Suggestions / Solutions; This Centre has published 02 patents and 03 have been submitted; This Centre has generated revenue of Rs 5.00 lakhs during last five years. Some of the prominent achievements of Paul Herbert Centre for DNA Bar Coding and Biodiversity Studies- State-of-the art facilities have been created (viz. next generation genomics facility) at DNA Barcoding Centre which is unique of its kind in entire country; Students and faculty members are sharing this infrastructure across the country; It matter of proud to mention that this Centre generates almost 80% of DNA barcode records that are available in our BOLD library from India; This Centre is having two sequencing platforms and 7 multiple ancillary facilities to accommodate several researchers in India as well as South East Asian countries; This Centre has conducted 27 national level seminars on DNA barcoding and so far around 1000 researchers have been trained across the country; All these trainees became an integral part of this center and at present this centre is having 29 collaborative projects throughout India; This Centre is regularly helping forest department and police department for resolving wildlife forensic cases; Several novel projects are in pipelines and few are ongoing having DNA barcode applications in understanding ecological systems; This Centre has generated revenue of Rs 25.00 lakhs during last five years; University has provided incentives in terms research grants (as a seed money) for the teachers to undertake innovative research (Total outlay is around Rs. 50 lakhs); Many students and faculty members have initiated research based on societal issues and problems in the Industries; Augmentation of resources in the University KRC (Knowledge Resource Centre) has been regular process of the university which plays very important role for

promotion of research. Some key features of the augmented university KRC are as below- All students have access to the e-resources of KRC; Separate Seating Facility (Research Cubicles) with Internet Facility for Research Scholars; Remote Access Facility of e-resources through which student will get access to more than 40,000 e-journals and more than 30,00,000 e-books; KRC has 35 various e-data bases which is unique in the State of Maharashtra; More than 5000 thesis under Shodh Ganga (University KRC is having 5th rank in India); Thesis data base having listing of thesis from 1958 to 2015; Open sources link to various e-journals, e-books etc; Access to Plagiarism check software; Faculty members from Social Science and Humanity have published many Books with National and International Publishers; Research Scholars and Faculty members from Science faculty have indigenously developed equipments which are being used for research purpose.

6. Problem Encountered and Resources required: One of the major challenges /problems that the university has encountered is continuous demand for timely augmentation of the scientific infrastructure due to fast development in global technology. University has prepared a strategic pathway to address this issue and tap some funding from Industries under CSR. However, Government should look into the possibilities for creating provision of perennial substantial funding at least for those universities who are performing well in recent past.

File Description	Document
Any additional information	[View Document](#)
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7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

Imparting Skill Based Education at Deen Dayal Upadhyay KAUSHAL Kendra

- Aurangabad is a heritage tourist destination and strategic trading hub, established centuries ago. Moreover, it is being recognized as a Industrial Hub with main focus of Automotive manufacturing Industries.
- The University has academic jurisdiction on four districts of Maharashtra viz. Jalna, Osmanabad, Beed, and Aurangabad
- These districts are part of Marathwada, which has been identified as economically backward region and hence, education that leads to direct job opening is the real necessity of the region
-
- **Aurangabad - An Industrial Hub**
- Aurangabad has four Industrial areas viz. Waluj MIDC (1522 Hect.), Shendra MIDC (902 Hect),

MIDC Chikalthana (720 Hect.) and Rly Station MIDC (35 Hect) with five major Industrial Clusters viz. Marathwada Auto Cluster with 1285 functional units (Auto Components), MASSIA Auto Components Pvt. Ltd. with 200 functional units (Auto Components), Brownfield Electronic Cluster with 100 functional units   (Automation and Electronics Products), Aurangabad MudrakSangh with 250 functional units (Off set /Flexo printing), Tiny Engineering and Allied Industries with 63 functional units (Engineering and allied products).   These industries are desperately looking for skilled manpower.

- There will be a deficit of 40 million working professionals by the year 2020 and the employers would face the difficulty of filling positions because of the dearth of suitable talent and skilled personal in their industry (Study By : ASSOCHAM)

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- **Establishment of Institution for Imparting Skill Based Education :**

- In the year 2012, Dr. Babasaheb Ambedkar Marathwada University had organized a meeting of Academic and Industry Experts to discuss various issues of employability, entrepreneurship of university graduates.
- Need of a dedicated skill based training program/institute was unanimously accepted, it was also decided that such a program should be categorically different from conventional vocational training.
- Accordingly, in the year 2013, Centre for Vocational Education and Training (CVET) was established in the campus of   Dr. Babasaheb Ambedkar Marathwada University, Aurangabad offering Bachelor of Vocation (B.Voc)
- This program is trend setting in the country, well before University Grants Commission (UGC), India, officially introduced such program in the academic scenario.
- In the year 2013, an independent Ad-Hoc Board of Studies for Vocational Courses was established in the University to identify the industry requirements and framing of a timely, object oriented curriculum (having equal representation from Academic and Industry)

- **Converting this initiative into Deen Dayal Upadhyay KAUSHAL Kendra**

- In 2014, University received a generous grants of Rs 1.67 crores from the University Grants Commission to start Bachelor in Vocation (B. Voc) program in two Trades –

    (i) Industrial Automation   (ii) Automobile Technology

- In 2015, the University was given green signal to start 'Deen Dayal Upadhyay KAUSHAL Kendra' by the UGC with funding of Rs 4.00 crore.
- The University came in the annals of history as it arose among the first batch of institutions to start Masters in Vocation (M. Voc; in Industrial Automation and Automobile Technology) program in the country.
- 'Gain Skills at Affordable Cost' is the Tag line of the Centre.
- The University was permitted to start 'Community College' by the UGC.   A fund of Rs. 0.87 crore was sanctioned.
- Academic programme in progress - (i) Bachelor in Vocation (B. Voc) in Industrial Automation and Automobile Technology (Three Year Degree program with multiple exit); (ii) Master in Vocation (M. Voc) in Industrial Automation and Automobile Technology (Two Year Master Degree program)

Distinct Features of the Centre:

- State-of-the-Art facility in the area Industrial Automation and Automobile Technology for experimental learning
- 95 % enrolled students are from economically and socially disadvantaged category.
- Industry-specific skills to enhance employability.
- Occupational skills to enable entrepreneurial initiatives.
- Vertical mobility for students clearing 10+2 with vocational subjects.
- Curriculum focus on work-readiness skills.
- Industry involvement in development for curriculum designing, imparting training, in-plant training, assessment and placement
- Three Tier examination scheme (Assessment by Industry, University and NSDC).
- Open laboratory practice (laboratory access to the students for 24 X 7).
- The curriculum is based on Choice based Credit System (CBCS) as per UGC guidelines.
- The curriculum is designed as per the need of Industries and aligned with NSDC and NSQF.
- The curriculum has both general Education Component (40 %) and Skill component   (60 %) to make them industry ready which increases the employability of the students
- Imparting technical skills of respective trades
- Imparting life skills such as Linguistic Proficiency with Language lab training, Computers, Professional Ethics and Management Practices, Environment Management, Business Software Tools, Industrial Ethics and Safety Management, Personality Development and stress management, Business and Accounting, Business Communication, Human Resource management, Entrepreneurship Development in the form General Education Component courses
- The curriculum is fine-tuned / updated in the beginning of every semester in consultation with Industries.
- MoUs / linkages established with 52 Industries in and around Aurangabad for curriculum designing, in-plant training, assessment and placement.
- MoUs established with International Vocational Education Training Institutions viz. TAFE Tasmania, Australia and Tokushima University, Japan.
- Enthusiastic and experienced teachers for grooming the students. Student – mentor scheme is an integral part of the system.
- Mandatory in-plant-training for one month every year
- 20 % Continuous Internal Evaluation and 80 % Semester End examination.
- Multiple exit Programme (After Six Months : Certificate ; After One Year : One Year Diploma; After Two Years : Advanced Diploma and After Three Years : B. Voc Degree
- All pass out students have been placed in various Industries.
- Few students have started their small scale enterprises
- Centre has initiated several short term programme for school dropouts, and Engineering / Science Graduates and earned adequate revenue became financially sustainable.

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5. CONCLUSION

Additional Information :

Strategic Plan:

The Strategic plan of the university is multi-layered as well as multi-pronged that focuses on Expansion, Inclusion and Excellence (EIE). It subsumes short term, intermediate and long term policies to cater to the ever growing number of Higher Education aspirants resulting in the enhancement of Gross Enrolment Ratio (GER) that will have positive impact on Human Development Index (HDI). Also, it aims at minimizing the menace of migration. By adopting following steps, the Strategic Plan will be executed to achieve the vision and mission of the University.

A. Curricular Aspects

- Assessment of acceptability and time relevance of existing academic programme
- Identification of potential industrial partners who can effectively contribute to framing/ reforming of existing curricula and act as potential platform to offer internship/employment to University pass outs
- Thorough reformation of existing curriculum
- Introduction of generic and program-specific value added courses
- Development of facile feedback collection mechanism

B. Teaching-Learning and Evaluation

- Assessment of enrolment statistics across departments and identification of gap areas
- Reformation of pilot initiatives to cater student diversity
- Identification of faculty diversity; and augmentation initiatives in teaching-learning modality
- Development of structured mechanism forattainment of performance outcome of studentsand evaluative reforms

C. Research, Innovations and Extension

- Development of overall policy for research activities
- Creation of thematic research areas based on University expertise
- Identification of areas for financial provisions
- Promotion and support IPR related activities

D. Infrastructure and Learning Resources

- Enrichment of KRC resources
- Financial Provision for infrastructure

E. Student Support and Progression

- Development of an all-inclusive policy towards framing a student friendly, student owned campus
- Development of student centric academics
- Establishment of a sound mechanism to ensure a positive destination for every student

- Engagement of alumni in developmental activity

F.   Governance, Leadership and Management

- Creation of pathway towards good governance
- Preparation and deployment of strategic plan
- Empowerment of teaching and administrative staff

Concluding Remarks :

Dr. Babasaheb Ambedkar Marathwada University (**BAMU**) was established primarily on the initiative of Dr. Babasaheb Ambedkar to fill the huge lacuna of higher education facilities in western Vidarbha, Marathwada and North Maharashtra region. Situated in the sacred land of Ajanta and Ellora, the Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, has inherited the ethos of ancient literature, culture, and knowledge to remain at epitome of quality higher education with its modernized fabric, and remain a torchbearer towards social commitments; since inception. The University has ever ensured to cater the genuine requirements of a financially impoverished region, through careful design of need based learning and affordability at highest level of education, thereby transforming the lives of millions towards prosperity.

This University has contributed to the progress of adjoining regions and people in innumerable ways. Presently, the university has 419 affiliated colleges under its jurisdiction, encompassing four districts (Aurangabad, Jalna, Beed and Osmanabad) of Maharashtra State.

   Through a balanced blend of traditional and cutting-edge academic programme, the University seeks to improve the strata of all people in the search of knowledge. University has evolved from a leased building and presently operates from a 725 acres with natural bounty, huge landscape, 13 hostels for boys and girls and centralized facilities. University has a 22-acre satellite campus at Osmanabad and a Marine Research Station at Ratnagiri in West Coast.

The Knowledge Resource Centre (Central Library) of the University, best in its class, has set an out of the box instance in extending the resources beyond campus to quench the thirst of knowledge at all walks.

The University has created an excellent network of coalition with national/international research bodies, institutions and industries for creation of knowledge contents that has best time relevance and world –class infrastructure. University has established 11 study Centres (Chairs) for initiation community oriented special programmes.The University is providing excellent platform for overall development of the students in sports and cultural activities.