Symbol of knowledge

NAAC Reaccredited
with Grade – A

Institutional Development Plan

Dr. Babasaheb Ambedkar Marathwada University
Aurangabad (MS) - 431004

Submitted by

Professor B. A. Chopade
Vice Chancellor

Submitted to

Rashtriya Uchchatar Shiksha Abhiyan
Govt. of Maharashtra

January 10, 2018

PROLOGUE

   Dr. Babasaheb Ambedkar Marathwada University (**BAMU**), formerly **Marathwada University**, is located in Aurangabad, Maharashtra. It is named after Bharat Ratna Dr. Babasaheb Ambedkar, an Indian jurist, political philosopher, academician and the chief architect of the Indian Constitution. This university 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. Shri Jawaharlal Nehru, the first Prime Minister of India, inaugurated Marathwada University on 23rd August, 1958 in Aurangabad at the premises of the temporary main building of the University. NAAC Re-accredited the University with 'A' grade in 2013 while the University secured 87th NIRF rank in 2016. 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 as epitome of quality higher education at its modernized fabric, and 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 417 affiliated colleges under its jurisdiction, encompassing four districts (Aurangabad, Jalna, Beed and Osmanabad) of Maharashtra State.

   The university campus is sprawled across 731 acres with a picturesque background of hills embedded with Aurangabad caves. Since August 23, 1958, Dr. Babasaheb Ambedkar Marathwada University has ever held a commitment to ensure excellence in higher education and this is the only University, from rural areas in India, to be ranked NAAC "A" grade. Through its traditional and cutting-edge academic programs, the University seeks to improve the strata of all people in the search of knowledge. University has grown from a leased building and evolved to huge landscape including several 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 all walks.

Symbolizing the truest essence of universal knowledge dissemination, the Campus provides 52 completely ICT enabled academic Departments for research directed training; whereas the Deen Dayal Upadhyay KAUSHAL Kendra, the Centre from where the concept of Vocational education at Bachelor's and Master's level evolved, creates skilled manpower to enhance employability through technically empowered youth; on one hand, the Gopinath Mundhe National Institute of Rural Development and Research takes the intellectual considerations to issues at grass root level 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 state-of-the-art facilities created in the Centre for materials synthesis and device fabrications are being made available to all students (undergraduate, postgraduate and doctoral) and faculty members across the country. Moreover, special capacity building workshops are being organized for students and faculty members for idea generation and protection of IP. Similarly, the state-of-the art next generation genomics facility at DNA Barcoding Centre is unique of its kind in entire state. Students and faculty members are sharing this infrastructure across the country. The academic staff college- HRD center is one of the best training institutes for the teachers. University has also established the School of Liberal Arts and initiated post graduate programme, which is unique in the country.

The University Grants Commission has provided financial assistance to five University Departments under support scheme of UGC-SAP. Similarly, Department of Science and Technology, Govt India has also provided financial assistance to four University Departments for augmentation of laboratory infrastructure for PG and research. University faculty members have published more than 2000 research papers in National / International journals of repute and over 15 patents have been granted so far.

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. The Jamnalal Bajaj Incubation Centre, established under the support of Bajaj Auto Pvt. Ltd., Aurangabad, has proven itself as the choicest platform for spin-offs from University and institutions under its jurisdiction. Ramanujan Geospatial Chair and Maulana Azad Chair were established to promote high-end research in specialized areas. The University is providing excellent platform for overall development of the students in the sports and cultural activities including basketball, football, cricket, gymnasium, swimming, tennis, etc. The department of Dramatics in the campus is one of the leading Departments in the country for providing legendry personalities to the film industry like Varsha Usgaonkar, Makarand Annaspure etc.

Dr. Babasaheb Ambedkar Marathwada University has extensive list of registered alumni (occupied very important positions) which includes Sukhadeo Thorat, Nirupama Rao, Ravindra Gaikwad, Madhusudan Manikrao Kendre, Yogesh Shirsath, Janardan Waghmare etc.

The tranquil campus of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, with bounty of nature at its divinity, waits to embrace all enthusiasts for knowledge.

Contents

1. Institutional Information

Institutional Basic Information

1.1 Institutional Identity:

- Name of the Institution : **Dr. Babasaheb Ambedkar Marathwada University, Aurangabad - 431004**

- Is the Institution approved by regulatory body : **Yes**

- Furnish approval no. : **2(F) & 12 (B)**

- Type of Institution : **Autonomous**
  (Unaided/Autonomous/Other)

- Status of Institution : **State University**

- Name of Head of Institution and Project Nodal Officers

Head and Nodal Officer	Name	Phone	Mobile	Fax	E-mail
Head of Institution	Professor B. A. Chopade	0240-2403112	90494 83914	0240-2403112	vc@bamu.ac.in bachopade@gmail.com
RUSA Institutional Coordinator	Professor M. D. Shirsat	0240-2403205	94222 91987	----	director.iqac@bamu.ac.in mdshirsat@gmail.com
Nodal Officers for					
Academic Activities	Professor W. K. Sarwade	0240-2403218	90217 05805	----	walmik_sarwade@hotmail.com
Civil Work including Environment Management	Shri R. D. Kale	0240-2403141	94231 40985	----	ravindra.d.kale@gmail.com

Procurement	Shri R. D. Kale	0240-2403141	94231 40985	----	ravindra.d.kale@gmail.com
Financial aspect	Dr. NandakumarRathi	0240-2403300	94222 42352	----	fao@bamu.ac.in
Equity Assurance Plan	Professor M. D. Shirsat	0240-2403205	94222 91987	----	director.iqac@bamu.ac.in

1.2 Academic Information :

- **UG/PG/PhD programs offered in Academic year 2016-17**

Sr. No.	Title of Programs	Level (UG/PG/ PhD)	Duration (Years)	Year of Starting	Sanctioned annual in take	Total student strength
01	M.A. (Economics)	PG	2	1958	70	116
02	M. A. (Sociology)	PG	2	1968	70	73
03	M. A. (Hindi)	PG	2	1968	70	49
04	M. Sc. (Botany)	PG	2	1962	48	91
05	M. Sc. (Chemistry)	PG	2	1958	70	138
06	M. A. (Marathi)	PG	2	1959	70	71
07	M. Sc. (Mathematics)	PG	2	1960	70	125
08	M. A. (English)	PG	2	1962	70	128
09	M. Sc. (Bio-chemistry)	PG	2	1968	22	33
10	Master of Business Administration (M.B.A.)	PG	2	1972	120	156
11	M. A. (Pali& Buddhism)	PG	2	1974	70	60
12	Master of Physical Education (M.P.Ed.)	PG	3	1980	40	44

13	M. A. (Mass Communication & Journalism)	PG	2	1985	70	129
14	M. Sc. (Environmental Science)	PG	2	1985	32	52
15	Master of Business Administration M.B.A (Part Time)	PG	3	1994	30	12
16	Master of Tourism Administration (MTA)	PG	2	1994	30	38
17	Master of Laws (LL.M.)	PG	2	2004	70	72
18	Master of Performing Art (M.P.A.)	PG	2	2004	30	71
19	M. Sc. (Statistics)	PG	2	1998	32	77
20	M.B.A. (Dual)	PG	2	2005	30	4
21	Master of Fine Arts (M.F.A.)	PG	2	2005	45	33
22	M. A. (Public Administration)	PG	2	2006	70	39
23	M. Sc. (Mathematics (Applied))	PG	2	2006	70	41
24	Master of Fine Arts (MFA) (By Research)	PG	2	2007	25	24
25	M. Sc. (Analytical Chemistry)	PG	2	2008	24	46
26	Master of Computer Application (M.C.A.)	PG	3	2008	60	118
27	M. A. (Geography)	PG	2	2009	70	99
28	M.Sc. (Nano Technology)	PG	2	2009	20	6
29	M.Tech. (Computer Science and Engineering)	PG	2	1989	30	22
30	M. Sc. (Computer Science)	PG	2	1980	32	62
31	M. Sc. (Information Technology)	PG	2	2005	32	24

32	M. Sc. (Zoology)	PG	2	1965	70	124
33	M.Sc. (Physics)	PG	2	1965	48	104
34	Master of Library and Information Science	PG	2	1979	22	28
35	Master of Vocational (M.Voc.)	PG	2	2016	50	28
36	M.Sc. (Bio-technology)	PG	2	2005	20	33
37	M.Sc. (Electronics)	PG	2	2016	40	12
38	M.Sc. (Micro-biology)	PG	2	2005	20	47
39	M.A. (Music)	PG	2	2009	70	26
40	Master of Commerce (M.Com.)	PG	2	1972	60	146
41	Master of Education (M.Ed.)	PG	2	1963	50	15
42	Master of International Business (M.I.B.)	PG	2	2012	60	29
43	Water and Land Management (M.M.S.)	PG	2	2004	40	21
44	Bachelor of Technology (Chemical)	UG	4	1989	22	95
45	Bachelor of Dramatics	UG	3	2004	30	44
46	B.A. (M.C.J.)	UG	3	2006		111
47	Bachelor of Fine Arts (B.F.A)	UG	3	2007	30	10
48	Bachelor of Performing Arts (B.P.A.)	UG	3	2007	30	74
49	B.A. (International Journalism)	UG	3	2009	20	21
50	B.A. (Music)	UG	3	2009	70	7
51	Bachelor of Dance	UG	3	2009	20	11

52	Bachelor of Printing Technology and Graphic Arts (BPT & GA)	UG	3	2009	60	16
53	Bachelor of Vocational Science (B.Voc.)	UG	3	2014	100	201
54	M. A. (Archaeology)	PG	2	2016	20	20
55	M. A. (History)	PG	2	1962	70	91
56	M. A. (Liberal Arts)	PG	2	2015	20	29
57	M. A. (Political Science)	PG	2	1963	70	112
58	M. A. (Psychology)	PG	2	1972	70	84
59	M. A. (Sanskrit)	PG	2	1972	70	29
60	M. A. (Urdu)	PG	2	1999	70	42
61	M. A. (Lifelong Learning and Extension)	PG	2	1979	50	28
62	Botany	PhD	--	1967	20	15
63	Chemistry	PhD	--	1977	48	37
64	Economics	PhD	--	1960	32	35
65	English	PhD	--	1968	48	31
66	Hindi	PhD	--	1968	36	28
67	Sociology	PhD	--	1968	34	24
68	Mathematics	PhD	--	1960	28	23
69	Business Administration	PhD	--	1972	28	7
70	Public Administration	PhD	--	1992	54	43
71	Computer Science	PhD	--	1991	50	50
72	Biochemistry	PhD	--	1968	16	12

73	Physics	PhD	--	1965	78	39
74	Commerce	PhD	--	1968	72	45
75	Dramatics	PhD	--	2004	12	13
76	Education	PhD	--	2005	26	29
77	Fine Arts	PhD	--	2007	10	3
78	Geography	PhD	--	2009	4	11
79	History	PhD	--	1962	14	12
80	Law	PhD	--	2004	08	04
81	Library and Information Science	PhD	--	1985	26	21
82	Marathi	PhD	--	1959	34	31
83	Pali and Buddhism	PhD	--	1974	8	3
84	Physical Education	PhD	--	1990	12	04
85	Political Science	PhD	--	1963	24	19
86	Psychology	PhD	--	1972	22	7
87	Statistics	PhD	--	1958	18	07
88	Tourism Administration	PhD	--	1993	10	3
89	Urdu	PhD	--	1999	20	7
90	Zoology	PhD	--	1965	74	39
91	Environmental Science	PhD	--	1985	32	18
92	Mass Communication & Journalism	PhD	--	1985	6	8
93	Microbiology	PhD	--	1995	08	10
94	Biotechnology	PhD	--	2005	20	08
95	Pharmacy	PhD	--	1995	04	00

- **Whether Institution is accredited?**

  Grade - 'A' (3.07 CGPA)
  When – October 25, 2013

- **Accreditation Status of UG programs:**

Title of UG programs being offered	Whether eligible for accreditation or not?	Whether accredited as on 31st March 2017	Whether "Applied for" as on 31st March 2017
All Programme in 1.2 are accredited			

- **Accreditation Status of PG programs:**

Title of PG programs being offered	Whether eligible for accreditation or not?	Whether accredited as on 31st March 20107	Whether "Applied for" as on 31st March 2017
All Programme in 1.2 are accredited			

1.3 Faculty Status (Regular/on-contract Faculty as on March 31st , 2017

Faculty Rank	No. of sanctioned Regular	Present Status : Number in Position by Highest Qualification												Total No. of Regular Faculty Position	Total Vacancies	Total No. of Contract Faculty Position
		Doctoral Degree				Masters Degree				Bachelor Degree						
		Engineering		Other		Engineering		Other		Engineering		Other				
		R	C	R	C	R	C	R	C	R	C	R	C			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15= (3+5+7 +9+ 11+13)	16=(2- 15)	7=(4+6+8 +10+12+1 4)
Prof.	35	00	00	10	01	00	00	00	00	00	00	00	00	10	25	01

Asso. Prof.	80	00	00	44	03	00	00	00	00	00	00	00	00	44	36	03
Asst. Prof.	174	00	00	85	28	02	00	00	00	02	00	11	00	100	74	28
Total	289	00	00	139	32	02	00	00	00	02	00	11	00	154	135	32

Prof=Professor, Asso. Prof= Associate Professor, Asst Prof= Assistant Professor, R=Regular, C= Contract

1.4 Baseline Data (all data given for the following parameters to all disciplines)

Sr.No.	Parameters	
1	Total strength of students in all programs and all years of study in the year 2016-17	3806
2	Total women students in all programs and all years of study in the year 2016-17	1269
3	Total SC students in all programs and all years of study in the year 2016-17	908
4	Total ST students in all programs and all years of study in the year 2016-17	84
5	Total OBC students in all programs and all years of study in the year 2016-17	904
6	Number of fully functional P-4 and above level computers available for students in the year 2016-17	1777
7	Total number of textbooks and reference books available in the library for UG and PG	463249
8	Student-teacher ratio	17:1
9	% of UG students placed through campus interviews in the year 2016-17	20
10	% of PG students placed through campus interviews in the year 2016-17	25
11	% of high quality undergraduates(>75% marks) passed out in the year 2016-17	45
12	% of high quality postgraduates(>75% marks) passed out in the year 2016-17	19
13	Number of Research publications in Indian refereed journals in the year 2016-17	201
14	Number of Research publications in International refereed journals in the year 2016-17	386
15	Number of patents obtained in the year 2016-17	0
16	Number of patents filed in the year 2016-17	7

17	Number of sponsored research projects completed in the year 2016-17	21
18	The transition rate of the students in percentage from 1st year to 2nd year in the year 2016-17 for: (i) all students	66
19	IRG from students fee and other charges in the year 2016-17	₹.625364569
20	IRG from externally funded R&D Projects, consultancies in the year 2016-17	₹.197897222
21	Total IRG in the year 2016-17	₹.998724082
22	Total annual recurring expenditure of the institution in the year 2016-17	₹.660424623

1.5 University wise Students and Teachers

Names of University	University Dept. & Constituent Colleges			
Dr. Babasaheb Ambedkar Marathwada University	**Name of Department**	**Number of Students (UG and PG)**	**Number of Teachers in Position**	**Student Teacher Ratio**
	Bio-Chemistry	**33**	**3**	11 :1
	Botany	**91**	**4**	22.75:1
	Chemistry	**184**	**12**	15.34:1
	Chemical Technology	**95**	**10**	9.5:1
	Commerce	**175**	**8**	21.87:1
	Computer Science & IT	**108**	**10**	10.8:1
	Dance	**11**	**2**	5.5:1
	Deen Dayal Upadhyay Kaushal Kendra	**229**	**4**	57.25:1
	Dramatics	**178**	**5**	35.6:1
	Economics	**116**	**6**	19.34:1
	Education	**15**	**5**	3:1
	Electronics	**12**	**2**	6:1
	English	**128**	**8**	16:1

	Environmental Science	52	5	10.4:1
	Fine Arts	67	1	67:1
	Geography	99	1	99:1
	Hindi	49	6	8.17:1
	History and AIC	91	5	18.2:1
	Law	72	3	24:1
	Liberal Arts	49	3	16.34:1
	Library Science	28	2	14:1
	Life Long Learning and Extension	28	3	9.34:1
	Management Science	290	14	20.71:1
	Marathi	71	10	7.1:1
	Mass Communication & Journalism	240	8	30:1
	Mathematics	166	8	20.75:1
	Music	33	3	11:1
	Nanotechnology	6	2	3:1
	Pali& Buddhism	60	3	20:1
	Physical Education	44	5	8.8:1
	Physics	104	12	8.67:1
	Political science	112	4	28:1
	Printing Technology	16	1	16:1
	Psychology	84	1	84:1
	Public Administration	39	5	7.8:1
	Sanskrit	29	2	14.5:1
	Sociology	73	7	10.42:1
	Statistics	77	4	19.25:1
	Tourism Administration	38	2	19:1
	Urdu	42	4	10.5:1
	Zoology	124	13	9.53:1

	Bio-Technology(Sub Centre)	**33**	**2**	16.5:1
	Education (Sub Centre)	**15**	**1**	15:1
	English(Sub Centre)	**52**	**2**	128:1
	Microbiology (Sub Centre)	**47**	**2**	23.5:1
	Water and Land Management(Sub Centre)	**21**	**1**	21:1
	Department of Management Science(Sub Centre)	**52**	**4**	13:1
	Department of Chemistry (Sub Centre)	**28**	**4**	7:1

2. Institutional Development Plan

Vision :

To structure The Dr. Babasaheb Ambedkar Marathwada 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'.

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 adopting the 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.

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.

Short-term Plan/ Objectives (6 months – upto March, 2018) :

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 passouts

- 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 for attainment of performance outcome of students and 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

- Sensitization and support activities for uplifting research capacities/infrastructure

- Promotion and support IPR related activities

- Continuation of best practices in extension activities and preparation of comprehensive roadmap

D.   Infrastructure and Learning Resources

- Augmentation of physical facilities in the campus

- 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

G.   Institutional Values and Best Practices

- Sensitization of students and staff for gender and social equality

- Creation of awareness for environmental consciousness and sustainability

- Sensitization of students for human values and professional ethics

Medium-term Plan / Objectives (April, 2018 to March, 2020)

A.   Curricular Aspects

- Implementation of revised curriculum from academic year 2018-19

- Survey of region cum industry specific demands for identification of gap and to address the same

- Offering of choice for students towards opting either direct job-opportunities or research career through dedicated curriculum

- Enhance entrepreneur acumen of students

- Development of structured mechanism for analysis and requisite action taken based on feedback

B.   Teaching-Learning and Evaluation

- Implementation of revised mechanism (on the basis of identified gaps)

- Reformed pilot initiatives to cater student diversity

- Reframing of teaching –learning process and enrichment of teacher profile/quality

- Innovative evaluation process and measurement of learning outcome

C.   Research, Innovations and Extension

- Research Capacity building

- Expansion of research horizon and quality

- Enrichment of Departmental Infrastructure and Research Support

- Mechanized consultancy activity

- Promotion for Idea generation

- Continuous Outreach activities and inclusive research

- Holistic development of University stakeholders

D.   Infrastructure and Learning Resources

- Creation and Renovation of Physical Facilities

- Digitization of KRC facilities

- Enrichment of e-resources and e-learning environment

E.   Student Support and Progression

- Enrichment of campus facilities

- Assurance of progressive academics

- Enhancement of progression opportunities

- Holistic development of students

- Exercising financial contribution from alumni for academic augmentation

F.   Governance, Leadership and Management

- Ensuring good governance

- Establishment of'Equal Opportunity Cell'

- Review of effectiveness of strategic plans and subsequent modifications

- Identification of financial resources and effective utilization

- Initiation of quality measures

G.   Institutional Values and Best Practices

- Initiatives for gender and social equity

- Initiatives for environmental consciousness and sustainability

- Initiatives for enrichment of human values and conscience of ethics

Long-term Plan / Objectives for next 10 years (April, 2020 to March, 2027)

A.   Curricular Aspects

- Based on survey and success of pilot projects, new programme will be introduced

- Identification of commercial market to support entrepreneurial acumen and excellence

- Identification of industries to start joint academic program to address national/ global demands

- Continuous refinement in teaching learning process based on rigorous analysis of feedback

B.   Teaching-Learning and Evaluation

- Refinement and progression in enhancing student enrolment

- Student centric academic activities

- Strengthening teaching pedagogies through teachers equipped with concepts for changing demands of hour

- Reformation through analysis of all evaluation processes including IT integration and measurement of learning outcome

C.   Research, Innovations and Extension

- Augmentation and promotion of societal research

- Augmentation and promotion of industrial research

- Development of an Innovation Ecosystem

- Establishment of Centers of Excellence (COEs)

- Creation of community responsive campus

D.   Infrastructure and Learning Resources

- Creation of modernized physical facilities

- Creation of state of the art technical facilities

- Creation of e-resources and extension for learning horizon

E.   Student Support and Progression

- Provision for special student support

- Promoting competitiveness and research aptitude among undergraduate and postgraduate student

- Enrichment of student centric activities

- Strengthening Career counseling and placement activity

F.   Governance, Leadership and Management

- Creation of brand equity model in higher education

- Promotion of quality culture

- Inclusive Management

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 and universal values and integrity among all stake holders of the University

3. Strategic Objectives an Operational Plan (Road Map)

Sr. No.	Strategic Objective	Operational Plan (Road Map)
— **Curricular Aspects**		
— **Short-Term Objectives and Road Map (06 months- upto March, 2018)**		
1	**Assessment of acceptability and time relevance of existing academic programme**	▪ Concrete mechanism will be implemented for – o Collection and analysis of *immediate feedback* on existing curricula from teachers, students and other stake holders o Collection and analysis of *immediate feedback* on capacity of the existing curricula to address local and regional industry needs, from local industry confederations
2	**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**	▪ Officer on Special Duty (OSD), Industry – University Interaction Cell will take anchor root to identify Program - specific industries who can contribute to department/faculty-wise curriculum enrichment, and are also potential internship/employment providers ▪ Support from local industry confederations will be sought for this purpose ▪ MOUs will be established with Industries and other professional bodies ▪ University-Industry Interaction Summit will be organized once annually as a platform to think, rethink and feedback

3	**Thorough reformation of existing curriculum**	▪ Pilot curriculum framing committees with one relevant industry expert in each committee will be constituted
		
		▪ Curriculum of all programme, in the University campus will be revised as deemed fit to achieve outcome based curriculum which will have following components-
		
		   o Programme Outcome, Programme Specific Outcome, Course (Subject / Paper) Objectives and Course (Subject/Paper) Outcome
		
		   o At least couple of courses (subject / papers) in each specific programme with focus on employability / entrepreneurship/ skill development
		
		▪ Curriculum of existing programme will be revamped so as to cater the needs of employment/ progression to higher academics with student centric practices at root locus, through identification and incorporation of necessary skill set for greater acceptability in industries/ research environment. Societal research/enhanced employability will remain among key considerations during this exercise

4	**Introduction of generic and programme-specific value added courses.**	▪ Generic value added courses to address transferable and life skills (like Emotional Intelligence and Life Skills, Decision making, Yoga, Stress managements, Emotional Intelligence, Human Values, and Professional Ethics and Courses for Value of Addition to the existing programme etc) with inbuilt choice to the students will be introduced ▪ Program specific Value Added courses with inbuilt choice to the students will be introduced
5	**Development of facile feedback collection mechanism.**	▪ Online and offline feedback on curriculum will be collected from 1) Students, 2) Teachers, 3) Employers, 4) Alumni, and 5) Parents at the end of each semester ▪ A structured mechanism for analysis of feedback and action taken will be developed and it will be approved by University Departmental committee of the respective University Departments.

		▪ Separate feedback portal (on website) will be developed for all stakeholders to register their feedback on curriculum and infrastructure of the University.

Medium-Term Objectives and Road Map (April, 2018 to March, 2020)

1	**Implementation of revised curriculum from academic year 2018-19**	▪ Revised curricula will be approved by appropriate authorities of the University ▪ The same will be implemented across all disciplines

2	**Survey of region cum industry specific demands for identification of gap and to address the same**	▪ Possibility will be explored for initiation of courses based on cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics, apart from time relevant technical skill based subjects to address identified gaps
		
		▪ New courses will be implemented as pilot projects. Such courses will be categorized into three groups-
		
		    o Skill oriented subjects leading to direct employment opportunity
		
		    o Advanced core/applied subjects leading to cutting edge research
		
		    o Humanity and sociologic subjects confronting societal and socio-economic issues

3	**Offering of choice for students towards opting either direct job-opportunities or research career through dedicated curriculum**	▪ Courses across all faculties to offer choice between industry inclined subjects (applied arena) and subjects leading to theoretical/applied research (not directly linked to industry/immediate industry requirements) by exercising CBCS
4	**Enhance entrepreneur acumen of students**	▪ 'Entrepreneurship Development' will be introduced with 02 credit course as an open elective in 2nd semester of all PG program. However, the curriculum will be designed exercising academic autonomy given to each University

		Department, so that demand of individual sectors can be addressed
5	**Development of structured mechanism for analysis and subsequent action taken based on feedback**	▪ Program wise data will be collected from feedback portal of the University website. ▪ Statistical analysis of the program-wise data will be carried out ▪ Analysis will be thoroughly discussed in departmental committee of respective departments and accordingly, action plan will be prepared

Long-Term Objectives and Road Map (April, 2020 to March, 2027)

1	**Based on survey and success of pilot projects, new programme to be introduced**	▪ The successful model of Deen Dayal Upadhyay KAUSHAL Kendra will be propagated and implemented across University jurisdiction for regional upliftment ▪ Successful pilot projects to be turned into five year integrated programme to generate human resource with adequate skill set/ intellectual strength right from grass root level in the focused area with highly channelized training ▪ Multidisciplinary programme will be initiated at UG and PG level through balanced blend of regional needs, specific industry/research demand ▪ Additional Departments/ Colleges/ Institutions will be setup as per the regional requirements in the areas like Automobile Technology, Industrial Automation, Seed Technology, Food Technology, Pharmaceutical, Horticultural, Fine Chemicals, Fishery, Sericulture, Apiculture, Floriculture, Animal Husbandry, Dairy Products, Textile, Dyes & Drugs, Dyes & Pigments, Metallurgy, Analytical Instrumentation, Bio-medical Instrumentation, Metrology, Geospatial Technology, Hotel Management and Hospitality, Hospital Management, Nursing, Travel & Tourism, Handloom, Forest Management, Wild Life Photography, Anthropology, Disaster Management, Event Management, Security Management, Water management, Safety and Health Management, Music &

		Drama, Fine Arts, Cyber Security apart from conventional Colleges in the stream of Arts, Commerce and Science within the Jurisdiction.
2	**Identification of commercial market to support entrepreneurial acumen and excellence**	▪ Mechanism will be developed for trading the product outcome of these courses in commercial market. This will provide a fertile ground for developing expertise, competition, self-employment, revenue generation and brand equity of the University
3	**Identification of industries to start joint academic program to address national/ global demands**	▪ One or two highly industry specific program, in association with industry, will be initiated. Identification of such industry will take into account, presence of similar industry/ technology/ skill set requirement at global perspective. Such programme will be having following objectives – o to create first hand human resource for catering technical need of the sector at all levels o to create human resource with research acumen to address long term developmental requirements of the sector o to enable generation of entrepreneurial capacity and mindset in the particular field
4	**Continuous refinement in teaching learning process based on rigorous analysis of feedback**	▪ Apart from structured analysis mechanism of feedback received, internship/apprenticeship based feedback will be introduced ▪ Through this procedure, students will be compulsorily sent to identify research institute/industry for an internship/apprenticeship of significant duration ▪ Feedback will be taken from the facilitators about performance of the student ▪ Necessary rectification in teaching/training process and/or curriculum aspect will be analysed out of the obtained data

Teaching, Learning and Evaluation

Short-Term Objectives and Road Map (06 months- upto March, 2018)

1	**Assessment of enrolment statistics across departments and identification of major areas of gap**	▪ Statistics for department-wise enrolment and student profile, across the University, will be prepared
		
		▪ Identification of gap areas and structured mechanism will be developed to enhance enrolment figure
		
		▪ Identification of gap areas and structured mechanism will be developed to enhance quality of enrolment
		
		▪ Following broad measures will be explored to obtain improvement in enrolment, both in quality and quantity-
		
		   o Enrich University website as a whole, and departmental websites independently so as to attract students from state/out of state/ out of country
		
		   o Round the year admission initiatives and initiation of admission process from January every year
		
		   o Special drive to attract foreign students, enhanced quota for out of state students
		
		   o Best departments to be augmented for projection as Centre of Premier Studies

2	**Reformation of pilot initiatives to cater student diversity**	▪ MCQ tests will be conducted by each department, soon after commencement of Semester-I lectures, across all disciplines, to assess slow/ advance learners ▪ Remedial coaching will be provided to slow learners and some incentives e.g- financial assistance for attending national/international events etc. will be provided to advanced learners ▪ All economically backward students will be made eligible for earn and learn scheme

3	**Identification of faculty diversity; and augmentation initiatives in teaching-learning modality**	▪ Identification of research credentials of faculty members will be carried out through standard database (e.g.- SCIWELL) ▪ Standard framework will be mechanized to assess necessary unified level for faculty capacity building ▪ High quality faculty development/sensitization program will be accordingly implemented ▪ Learning Management System (LMS) will be implemented across the campus ▪ Sensitization programme will be extensively arranged to foster ICT enabled teaching in the University campus
4	**Development of structured mechanism for attainment of performance outcome of students and evaluative reforms**	▪ Brainstorming sessions will be arranged with ISO experts to devise program/course attainment as measure of learning outcome and objectives achieved ▪ Grievance Committee will be duly officiated/effected in all departments to address exam related issues ▪ Examination manual of the University will be revised/ reframed thoroughly to address changing needs and make the system better automized and responsive

Medium-Term Objectives and Road Map (April, 2018 to March, 2020)

1	**Implementation of revised mechanism (on the basis of identified gaps)**	▪ The website at departmental level, will be enriched with following information-
		
		    o Course structure and curriculum, course and program outcome
		    o Faculty expertise and core research areas
		    o Employment opportunities
		    o Best practices that can attract significant attention
		    o Success stories and testimonials from students

		▪ University will have one window system for foreign students highlighting incentives and facilities for foreign students ▪ 20% seat will be reserved for out of state students without disturbing existing intake profile ▪ National/ International level magazines/ periodicals will be explored as platforms for admission related outreach ▪ Identified major cities in the country will have student enrolment centers to attract out of state students
2	**Reformed pilot initiatives to cater student diversity**	▪ Identification of slow/advanced learner and actions thereupon will remain a continual procedure ▪ Departmental reading hall and library will remain open 24 X 7 to facilitate round the clock study ambience ▪ Stipend under Earn and Learn scheme will be enhanced ▪ Subsidized canteen facility will be provided to all students Provision for subsidized hostel facility will be made for students who are economically underprivileged
3	**Reframing of teaching –learning process and enrichment of teacher profile/quality**	▪ Every program will have one compulsory module to be taught through e-resources (MOOC, NPTEL etc.) per semester ▪ ICT enabled teaching-learning will be embedded as integral part of every program ▪ Experimental learning through practice/projects will be introduced ▪ Every science/ technology department will have one lecture hall with necessary provisions for experimental demonstrations ▪ Student-mentor scheme will be implemented across all departments

		- Vacant faculty positions will be filled up while keeping special provision for out of the state candidates and candidates with exposure of working in best universities/institutions across the globe - Faculty members will be regularly sensitized to make their teaching modalities employability directed - Regular faculty training (discipline-wise, apart from HRDC training) under faculty development program will be organized - Every faculty member will be encouraged to undergo e-certification courses (of recognized level) to uplift their teaching capacity
4	**Innovative evaluation process and measurement of learning outcome**	*Statistical evaluation:* - Structured mechanism will be implemented to measure attainment of program and course outcome - Regular analysis will be made to obtain figure of merit on departmental basis and assess corrective measures - Centralized process will be channelized to frame best practices after analyzing corrective measures of respective departments *Reformed Physical evaluation steps:* - Non-formative assignments, Open-book tests and go-home tests will be employed as pilot projects. - At least one unit/module test will be conducted by assessing conceptual capability/ application concepts in each program - Software for Examination Management System (EMS) will be implemented for department-wise examination

Long-Term Objectives and Road Map (April, 2020 to March, 2027)		
1	**Refinement and progression in enhancing student enrolment**	▪ Potential countries will be individually identified and special action will be initiated to generate enrolment from such countries ▪ Provision of special incentives will be made for foreign students to increase their enrolment ▪ Brainstorming sessions will be organized to identify reasons of student migration and appropriate measures will be implemented ▪ Reformation of curriculum and periodic training of teachers at undergraduate and post graduate level will be organized to promote quality of future University aspirants ▪ Summer/Winter Science camps will be organized by University departments for undergraduate students of all affiliated colleges to better connect them to University proceedings and facilities ▪ Regional centers of the University will be established to extend horizon of knowledge dissemination
2	**Student centric academic activities**	▪ Appropriate and necessary long term teaching methodology will be adopted and implemented to cater diversified learning capability of students ▪ More number of teachers will be appointed to address adequate student –teacher ratio in purview of new courses being started ▪ Special teaching aids will be provided to Differently Abled students

| 3 | **Strengthening teaching pedagogies through teachers equipped with concepts for changing demands of hour** | ▪ Faculty members will be deputed in industries / research institutes during summer/ winter vacation

▪ Faculty members will be encouraged for national/international fellowships

▪ Collaborative teaching will be promoted and implemented

▪ Regular mentoring of students will be carried out to address academic and stress related issues will be organised

▪ Teaching through real-time online video lecture (e.g – courses of Centre For Distance Engineering Education Programme, IIT, Powai)) will be implemented |
| 4 | **Reformation through analysis of all evaluation process including IT integration and measurement of learning outcome** | ▪ Online examination platform will be developed for in campus assessments

▪ The best effective evaluation methods will be implemented across Departments as best practiced modality

▪ Evaluation of students by industry experts will be carried out in some identified Departments |

Research, Innovations and Extension

Short-Term Objectives and Road Map (06 months- upto March, 2018)

| 1 | **Development of overall policy for research activities** | ▪ An apex committee will be constituted who will remain the mainframe for -

   ○ Policy making and decisions on research in University campus

   ○ Policy making on consultancy related matters in University campus |

		o Monitoring of research progress and initiatives in the University campus
		o Constituting 'Code of Ethics' to check malpractices and plagiarism in research in the University Campus
2	**Creation of thematic research areas based on University expertise**	- Structured mechanism will be developed to identify potential sections of research in the University campus to be projected as thematic research areas in long run - Above exercise will lead to creation of research clusters through collaborative research among Departments - Faculty members from institutions/ colleges will be identified as potential contributors to the research clusters
3	**Identification of areas for financial provisions**	In order to promote research atmosphere in the University campus, sectors for financial aid will be identified and financial provision will be made for long run, broadly, in following areas – o 'Seed Money' for research to faculty members with extraordinary track records o Faculty members having excellent research credential will be given some incentives for augmentation of their research facilities o Incentive grants/ Minor Research Projects o Creation of trained research personnel and research support personnel o Reward to faculty members on achievements o Support to augment research facilities of identified research laboratories with established track record o Research support to superannuated faculty members

4	**Sensitization and support activities for uplifting research capacities/ infrastructure**	▪ Workshops / Seminars will be organized to familiarize faculty members about research funding options ▪ Proposal submission for sponsored research project will be made a compulsory activity for every faculty ▪ Core committee will be constituted to identify departmental strength and provide necessary support to apply for financial sponsorship under UGC-SAP, DST-FIST, DBT, ICSSR and other similar agencies. This committee will have invited members as per requirement of the Department/cluster of the Departments ▪ Core committee will be constituted to identify potential non-government organizations/industries as perennial sponsors of University research
5	**Promotion and support IPR related activities**	▪ One extensive workshop, every six months, will be organized to train faculty members on various aspects of IPR ▪ One IPR filing drive (Patents/copyrights) will be organized every six month ▪ These activities will be carried out by RUSA-Centre for Advance Sensor Technology(RUSA-CAST) and University IPR Cell ▪ University will create a separate budget head for IP protection related expenses
6	**Continuation of best practices in extension activities and preparation of comprehensive roadmap**	▪ The Department of Lifelong Learning and Extension, NSS wing and Department of Student Welfare will continue with their respective best practices ▪ A roadmap will be framed towards achieving higher inclusive approach for holistic development of stakeholders of the University and adjoining community ▪ Regional Development will be kept in focus ▪ Strategies will be adapted towards participation of different academic departments and chairs in extension activities

Medium-Term Objectives and Road Map (April, 2018 to March, 2020)	
1 **Research Capacity building**	- University will create following research positions across academic departments- 01 PDF, 02 SRF and 02 JRF - Faculty members will be encouraged to apply for national/ international fellowships
2 **Expansion of research horizon and quality**	- Exploration of existing MOUs for student and faculty exchange - Establishments of new MOUs to expand horizons of research and quality - Exchange programs will be explored and implemented in University campus (e.g. – Erusmus Mundus) - Policy will be adopted to ensure high quality Ph.D. output generation - In order to enhance the quality of research at micro level- - Special incentives will be given to main contributor (working in University) and research advisor who have published article/letter/review article in journal with more than 5.0 Impact Factor of Scopus/Web of Science indexed journal - University will make provision for a separate rolling window on the main page of website where achievements of faculty members (in terms of h-index, prominent publication, prominent consultancy activity)
3 **Enrichment of Departmental Infrastructure and Research Support**	- Augmentation of research infrastructure in Department of Chemistry (Medicinal Chemistry) - Augmentation of research infrastructure in Department of Physics (Functional Materials)

		▪ Augmentation of research infrastructure in RUSA Center for Advance Sensor Technology (Heterostructures Materials for Sensor Applications)
		▪ Augmentation of research infrastructure in Department of Computer Science
		▪ Augmentation of research infrastructure in Department of Biochemistry
		▪ Augmentation of research infrastructure in University Department of Chemical Technology
		▪ Augmentation of research infrastructure in Department of Library Science
		▪ Augmentation of research infrastructure in Department of Library Science
		▪ Augmentation of research infrastructure in Deen Dayal Upadhyay KAUSHAL Kendra (Applied Robotics for Automated Manufacturing)
		▪ Augmentation of research infrastructure in Department of Hindi
		▪ Augmentation of research infrastructure in Department of Marathi
		▪ Augmentation of research infrastructure in Department of Management Science
		▪ Augmentation of research infrastructure in all other departments who have shown their excellent progress in academics and research
		▪ Budgetary provision will be made by University to augment Research infrastructure across departments
		▪ Financial provisions will be disbursed and proper utilization will be ensured
		▪ Budgetary provision will be made to provide financial assistance to faculty members (Research Project Proposals) for basic and applied research
4	**Mechanized consultancy activity**	▪ Statutory provision of consultancy culture will be created

		▪ Faculty members will be motivated to take up consultancy activities as a source of perennial revenue generation ▪ University - Industry Interaction Cell will be mobilized to identify potential industrial sectors where expertise in University can effectively contribute
5	**Promotion for Idea generation**	▪ University will invite research proposals encompassing innovative ideas that have immediate market potential from University Departments and affiliated Colleges for sponsoring the ideas ▪ University will invite research proposals on societal problems from University Departments and affiliated Colleges for sponsoring the ideas ▪ Projects with physical deliverable and/or market feasible concepts will only be considered for financial support ▪ Selected projects will be funded initially for two years and to be extended for one more year depending on progress of the project ▪ Bootstrapping workshops will be organized periodically ▪ Jamnalal Bajaj Incubation Centre will administer all these activities, monitor the progress of the projects, and if necessary, also arrange expert counselling for the projects
6	**Continuous Outreach activities and inclusive research**	▪ Familiarization workshops on research facilities available with various Departments and established research centers in the campus will be organized regularly by respective Departments for research enthusiasts and prospective researchers to inspire prospective researchers outside University campus ▪ Collaborative research proposals will be invited by respective Departments to enhance research output merit ▪ Hands on training programme with specialized equipments, against prescribed fees, will be started as a

		regular activity for capacity building and revenue generation
7	**Holistic development of University stakeholders**	▪ The Department of Lifelong Learning and extension, NSS wing and Department of Student Welfare will continue with their respective best practices ▪ Special drive will be taken to uplift the socio-political-environmental-ecological conscience of University stakeholders through dedicated programs/ seminars/ workshops ▪ Workshops will be organized to improve language proficiency/ competitive exam proficiency-knowledge-alertness among students ▪ Successful models will be exercised for other colleges and schools ▪ Inter University Sports-meet and Cultural-meet will be organized ▪ Study Centers (e.g. – Tarabai Shinde Women Study Centre) will be organizing workshops for addressing time relevant social issues like upliftment of confidence in women and would promote activities for development of rural scenario with the help of NSS wing ▪ Academic Departments will be made to contribute through sensitization program at least once in a year in the area of respective expertise with view to have betterment of larger community. This will include special camps for school students towards improving their knowledge base and getting them introduced to larger arena of knowledge acquisition ▪ University will link up with NGOs to expand the horizon of community service by exercising the best practices ▪ Short term training programme leading to direct employment or entrepreneurship at ultra-micro-scale/ microscale will be started as pilot projects

Long-Term Objectives and Road Map (April, 2020 to March, 2027)		
1	**Augmentation and promotion of societal research**	▪ Apart from existing policy of financial support for research on societal problems, University will urge all research guides to have 25% of students working under their supervision to have time relevant societal/regional problems as their research topic ▪ All academic departments in the University will have dedicated cell to address societal/regional issues, at immediate basis or towards long term solutions. ▪ All departments will be having theme areas of interest and quality of research will be excelled to create brand equity on particular sectors ▪ Students in final year will be given one compulsory project on societal issue/needs where entire batch will have to work on a particular project. This will help to create a strong database on that sector and may lead to innovative solutions.
2	**Augmentation and promotion of industrial research**	▪ Faculty members will be encouraged to take up industrial issues as their research problems ▪ Industrial tour for students will be made a compulsory as a part of curriculum to have their inclination towards addressing prevailing problems ▪ University-Industry interaction cell will take pro-active measure to identify industry issues where University expertise can provide sound resort ▪ Dedicated Cell/Centre will be established in the campus to handle industry related problems where solution of a particular problem can be result of collaborative exercise of expertise ▪ This cell/Centre would be housing a few advanced facilities that can cater immediate industry requirements and will become a perennial source of income. (for ex. – a high profile CNC turning centre can earn a lot of revenue as Aurangabad is a manufacturing hub and many small/ micro enterprises need this facility. Also, highly-specialized tasks can be taken for development, as

		established industries hardly entertain discrete specialized jobs)
		▪ Faculty contribution to industry problems will earn special incentives from University apart from consultancy sharing
3	**Development of an Innovation Ecosystem**	▪ The Jamnalal Bajaj Incubation Centre (JBIC) will act as a central hub of fostering innovative thoughts and bring out best of market prospects from ideas
		▪ Proposals with immediate/long term market potential will be peered by the expert panel of JBIC for possible incubation
		▪ Selected projects will be anchored with incubation at JBIC for a period of 03-05 years till a matured stage
		▪ JBIC will offer all round support for technology transfer/ spin off. Certain seed money will be provided to selected incubated projects towards spin-off.
		▪ University will explore possibilities of entering retail market as an independent brand through the campus spin off
4	**Establishment of Centre of Excellences (COEs)**	▪ Depending on the expertise fostered by the University departments for a significant period, following COEs in (i) Technology Enabled Sensor Devices (ii) Innovative Technologies for Sustainable Development (iii) Archaeology and History of Ajanta, Ellora, Aurangabad Caves, Buddhism and its Social Relevance in Tourism & Cultural Integration will be established to promote cutting edge research in dedicated directions
		▪ University will also explore to link up these COEs to national research establishments to cater their R & D ventures in certain dedicated directions
		▪ University will establish research park for nurturing young research researchers and influence quality of research

		▪ A science park will be established in the University campus to popularize science and technology at grass root level and attract intellect at foundation age
5	**Creation of community responsive campus**	▪ Best practices will be augmented and continued ▪ Regional Youth Development Centre will be established with extensive round the year activities ▪ A community centre will be set up to continue with successful pilot projects for upliftment of socio-economic status at regional basis

Infrastructure and Learning Resources

Short-Term Objectives and Road Map (06 months- upto March, 2018)

1	**Augmentation of Physical Facilities in the Campus**	▪ Review of University Departments to ensure adequate facilities for teaching learning process (viz. class rooms, laboratories, and technical infrastructure) will be done and address mechanism will be developed ▪ ICT infrastructure will be assessed. This will encompass Wi-Fi enabled campus, internet lab in all academic Departments, digitized classrooms and one smart-room in every academic Department ▪ Hostel facility (Boys and Girls) will be renovated in the campus ▪ Canteen facility will be augmented in the campus ▪ Gymnasium facility in the campus will be augmented ▪ Infrastructure of University Heath Centre will be augmented
2	**Enrichment of KRC resources**	▪ Augmentation of integrated library management system will be carried out

		▪ Knowledge database will be enriched through subscriptions of e-journals, e-ShodhSindhu, Shodhganga membership, e-books, databases

3	**Financial Provision for infrastructure**	▪ Budgetary provision will be made to meet expenses against –
		
		     o Creation of new infrastructure
		
		     o Augmentation of Physical, technical, civil, ICT and KRC infrastructure
		
		     o Augmentation and maintenance of existing infrastructure

Medium-Term Objectives and Road Map (April, 2018 to March, 2020)

1	**Creation and Renovation of Physical Facilities**	▪ Adequate girls' and boys' hostel will be constructed ▪ New building for Social Science and Humanities faculty will be constructed. ▪ Construction of new buildings for various academic Departments will be undertaken ▪ Additional sports facilities will be created ▪ Water conservation facilities will be created ▪ Landscaping of University campus will be accomplished ▪ Renovation of administrative and academic Department buildings will be carried out
2	**Digitization of KRC facilities**	▪ Smart library app will be developed ▪ Preservation, conservation and digitization of rare manuscripts will be accomplished ▪ Remote access facility of KRC will be augmented

3	**Enrichment of e-resources and e-learning environment**	▪ Language laboratory will be established with all language departments ▪ Independent library of online teaching resources will be created ▪ Sensitization programme will be regularly arranged for capacity building with e-resource based teaching learning ▪ All academic Departments will be implementing their own Learning Management Software (LMS) to facilitate round the clock teaching-learning process

Long-Term Objectives and Road Map (April, 2020 to March, 2027)

1	**Creation of modernized physical facilities**	▪ Creation of state of the art convention centre with multiplex concept ▪ Creation of state of the art sports facility with maximum modern amenities ▪ Creation of Video conferencing hall and digital studio for remote lecture facility and e-content development ▪ Construction of buildings for Centre of Excellences ▪ Construction of building for Research Park ▪ Necessary construction for Science Park

2	**Creation of state of the art technical facilities**	Necessary technical infrastructure (state of the art facilities) will be created for –
		
		  o Centers of Excellence
		  o Recording facility and lecture capturing system
		  o Independent Departmental Research
		  o Jamnalal Bajaj Incubation Center
		  o Research park
		  o Science park

3	**Creation of e-resources and extension for learning horizon**	▪ E- contents will be developed by faculty members ▪ All regional and sub-centers established by the University will be connected to the University through video teaching –learning platform ▪ Online video lectures and open courseware will be made available to interested users

Student Support and Progression

Short-Term Objectives and Road Map (06 months- up-to March 2018)

1	**Development of an all-inclusive policy towards framing a student friendly, student owned campus**	▪ Constitution of a core committee to ensure a campus that will provide accommodative ambience to all students. Mainframes of the policy will be –
		
		   o Conducive accommodation to support an academic ambience while leaving enough room to think, replenish and rejoice
		
		   o Subsidized mess facility and accommodation for round the clock al-a-carte food service on charge basis
		
		   o Round the clock reading room facility
		
		   o Round the clock happening campus secured with CCTV surveillance
		
		   o Free Wi-fi to all
		
		   o In campus commodity cum medical store
		
		▪ 'One Window System' will be implemented to facilitate foreign students in the campus
		
		▪ Organization of Orientation Program for all foreign students will be a regular activity

2	**Development of student centric academics**	▪ Flexible academic techniques to cater the student aptitude and inclination will be the core innovation area across University Departments and Departmental Quality Assurance Cell will monitor this highest sensitive issue ▪ Existing ICT facilities will be reviewed and provisions will be made for all inclusive augmentation of ICT facilities in academic departments and hostels ▪ Scope for achieving academic excellence for both slow and advanced learners will be explored and accordingly implemented
3	**Establishment of a sound mechanism to ensure a positive destination for every student**	▪ Mechanism will be developed to asses student capacity, inclination and thereby asserting their destination through regular counseling to ensure positive progression would be core activity of every academic department ▪ Training/ Placement Cell will have continuous feedback of this activity and develop a responsive system to address placement needs
4	**Engagement of alumni in developmental activity**	▪ Potential alumni members would be continuously identified and a strong alumni network will be created. ▪ Department-wise alumni meeting will be organized to explore their academic and financial contribution for development of University

Medium-Term Objectives and Road Map (April, 2018 to March, 2020)

1	**Enrichment of facilities**	▪ Implementation of the policies decided by core committee to ensure a student centric campus where students will find a dream destination
2	**Assurance of progressive academics**	▪ Students will be oriented about national/international fellowships so that they can opt for such facilities to explore hitherto unachieved heights and destinations

		▪ Students will be oriented about summer/ winter schools organized by research institutes to get introduced to the cutting edge research
		▪ Value added courses and bridge courses will be planned and implemented to catch up with changing demands of time
		▪ Training for NET-SET and other competitive examination including civil services examination will remain a continual process for prospective students
		▪ All Departments will be equipped with internet lab with necessary terminal support, WI-FI, digitized lecture halls and one smart class room
		▪ All hostels will be equipped with WI-FI facility and Internet lab
3	**Enhancement of progression opportunities**	▪ In consultation with the academic Departments, the Training and Placement Cell (TPC) will link up with national/international/institutes/organizations/laboratori-es for possible student progression
		▪ In consultation with academic departments, Industry-University Interaction cell (IUIC) will identify potential industries/ industry problems where our students can take part with financial support
		▪ Both TPC and IUIC will identify core sectors of direct placement of students
4	**Holistic development of students**	▪ Department-wise initiatives will be taken to impart various life skills among students that will encompass yoga, meditation etc. for inner strengthening of students
		▪ Department-wise cultural and sports activities will be organized regularly. Such activities will be initiated and managed by dedicated departmental student committees.

		▪ Adequate training will be arranged for students willing to take part in national/ international events in sports/ culture

5	**Exercising financial contribution from alumni for academic augmentation**	▪ Financial contributions from alumni will be employed for –
		
		  o Student scholarship
		
		  o Enrichment of technical infrastructure
		
		  o Enrichment of laboratory infrastructure
		
		▪ Alumni associations will be explored for placement of students in reputed organizations
		
		▪ The above will remain continual practice
		
		▪ Re-Union event of pass out students will be made a continual practice

Long-Term Objectives and Road Map (April, 2020 to March, 2027)

1	**Provision for special student support**	▪ Special access of library and reading room will be provided to foreign students ▪ Infrastructure facilities to foreign students will be enhanced ▪ Separate Foreign students' hostel will be established ▪ Department wise cultural fest will be arranged to introduce foreign students/ out of state students with local cultural ethics and heritage
2	**Promoting competitiveness and research aptitude among undergraduate and postgraduate student**	▪ Regular awareness program will be arranged for the students at respective level to enhance inquisitive mindset among students and to equip them with adequate thought process and problem solving tools ▪ Special workshops will be organized to improve problem solving aptitude among students through task based assignments

		▪ Monthly fellowship will be provided to meritorious students at various levels
3	**Enrichment of student centric activities**	▪ Inter-departmental sports event will be organized annually ▪ Inter-departmental cultural event will be organized annually ▪ One tech-fest will be organized annually and this event will be managed by students
4	**Strengthening Career counseling and placement activity**	▪ Career counseling activity of the University will be taken to a better height by collaborating with various Govt and Non-Govt. organizations (e.g. Model Career Center at NIELIT campus in Dr. B. A. M. University) and regularly arranging dedicated sessions ▪ Department-wise Career Counseling workshop will also be organized ▪ Potential employers will be identified and invited for campus placements as part of campus pool drive

Governance, Leadership and Management

Short-Term Objectives and Road Map (06 months- upto March, 2018)

1	**Pathway towards good governance**	▪ Clear definition of roles and responsibilities of University staff, at every level, will be prepared ▪ Feedback mechanism will be channelized to take regular stock of operational attainment of University staff ▪ E-governance mechanism will be adapted at all levels
2	**Preparation and deployment of strategic plan**	▪ The strategic plan of the University to achieve the objective and goals will be set-up ▪ Grievance redressal mechanism to address the issues of all stakeholders of the University will be developed

		▪ Mechanism will be developed to enhance the effectiveness of various bodies/ committees of the University
3	**Empowerment of teaching and administrative staff**	▪ Welfare measures (group insurance, sabbatical leave, medical reimbursement, etc) will be planned for teaching and non teaching staff for maintaining a healthy work ambience in the University campus ▪ Financial assistance will be provided to faculty members for attending technical training programs, presenting papers in national/international conferences, orientation in globally recognized institutions ▪ Professional development programme will be planned periodically to cater necessities of all levels of University staff ▪ Mechanism for self-appraisal of teaching and administrative staff will be developed

Medium-Term Objectives and Road Map (April, 2018 to March, 2020)

1	**Ensuring good governance**	▪ Department-wise apex committee will be created to assess the feedback and necessary rectification measures will be implemented ▪ Decentralization and participative management will be effected as mainframe of governance practice ▪ E-governance policy will be promoted in accordance to the necessity of time
2	**Establishment of 'Equal Opportunity Cell'**	▪ Dedicated 'Equal Opportunity Cell' will be established in the campus for definition of policies related to equity and inclusion, their implementation, and monitoring on effective compliance with the policies in campus ▪ Equity Cell will organize programme periodically, throughout the year, for sensitization on various issues of

		equity, inclusion, social justice and related socio-economic issues
3	**Review of effectiveness of strategic plans and subsequent modifications**	▪ Committee will be constituted to assess effectiveness of implementation and quality of output to decide necessary reformations in strategic plans ▪ Specialized leadership training program and managerial level training program will be periodically arranged for faculty members and administrative staff to enhance accountable mindset ▪ Revised strategic plans will be implemented at identified sectors for better achievement of objected aims
4	**Identification of financial resources and effective utilization**	▪ Potential sponsors will be identified to support and promote special initiatives (e.g.-GNMNIRD and DDUKK) rooted to societal needs ▪ Similarly, potential industries will be identified for generation fund through CSR ▪ Regular financial audit will be ensured ▪ Financial process will be made lucid and facile to encourage better utilization and mobilization of funds
5	**Initiation of quality measures**	▪ Committee will be constituted for defining quality policies and benchmarks ▪ Regular Academic and Administrative Audit (AAA) will be implemented ▪ Department-wise ISO certification process will be initiated

Long-Term Objectives (April, 2020 to March, 2027)

1	**Creation of brand equity model in higher education**	▪ The circle 'Implementation-feedback-modification-implementation' to achieve excellence with strategic roadmap will be exercised as a habit, rather than a specialty

		▪ Accountability quotient of stakeholders will be continuously boosted so that implementation of best practices and strategic steps become a practice above the ambit of regulations ▪ 'Behaviour, Ethics, Standards and Testimonials' – exercise of this BEST will be implemented at all levels to make the University campus a universally preferred destination
2	**Promotion of quality culture**	▪ Faculty members will be given global exposure to expand horizon of teaching modality and research ▪ Administrative staff will be deputed at globally recognized institutions to get exposure of model administration systems ▪ Quality of physical infrastructure, at all walks, will be augmented
3	**Inclusive Management**	▪ Mechanism will be developed so that administrative framework of the University will allow all its stakeholders to take responsible part in development of University, with representatives from all walks to ensure equity and justice for all ▪ Mechanism will be developed so that all statutory officers of the University will be addressing issues collaboratively

Institutional Values and Best Practices

Short-Term Objectives and Road Map (06 months- upto March, 2018)

1	**Sensitization of students and staff for gender and social equality**	▪ Department-wise program on gender sensitization and issues on social scenario will be organized ▪ Differently-abled friendly facilities (wheel chair, ramp, lift etc.) will be created

2	**Creation of awareness for environmental consciousness and sustainability**	▪ Energy audit will be carried out across the campus and maximum usage of renewable sources of energy will be explored
		▪ Department-wise sensitization program for environmental consciousness will be organized to create awareness among all students and staff.
		▪ Roadmap will be drafted for framing of policies to be practiced across departments for electricity saving
		▪ Waste management (solid/liquid/e-west) will be mechanized
		▪ Instructional plates/banners/stands will be erected across the campus
3	**Sensitization of students for enrichment of human values and conscience of professional ethics**	▪ Code of conduct for all stakeholder of the University will be prepared and displayed on website
		▪ Core value of the University will be prepared and displayed on the website
		▪ Department-wise program will be arranged to inculcate human values and professionalism
		▪ Inspirational banners/ stands will be erected across the campus

Medium-Term Objectives and Road Map (April, 2018 to March, 2020)

1	**Initiatives for gender and social equity**	▪ Special programs for gender social equity will be organized.
		▪ Special facilities viz. safety and security, counselling, ladies common rooms etc. will be provided
2	**Initiatives for environmental consciousness and sustainability**	▪ Pilot projects will be set up to exercise and assess efficiency of reneawable energy sources
		▪ Culture of less usage of vehicles in the campus will be inculcated

		▪ Waste management (solid/liquid/e-west) will be prepared and appropriate provisions will be made
3	**Initiatives for human values and performed ethics**	▪ Code of conduct and core values will be prepared for all stakeholders and will be implemented at all levels ▪ One Add On course on Human Values and Professional Ethics will be floated and implemented for all students of University campus

Long-Term Objectives (April 2020 to March 2027)

1	**Practicing initiatives of gender and social equity, social awareness for empowerment of women and socially disadvantaged groups**	▪ Special incentives in terms of additional facilities and financial assistance will be provided to Girl students / Women Employees, Socially Disadvantaged groups and Differently-Abled students ▪ Identified villages will be adopted and gender and social equity initiatives prepared so far will be implemented
2	**Practicing environmental consciousness and sustainability initiatives for ensuring clean and pollution free environment**	▪ Alternate source of energy will be practiced. ▪ Usage of LED to minimize electrical consumption will be implemented. ▪ Rain water harvesting, waste managements (solid / liquid / e-west) will be implemented. ▪ Green Practices like usage of Bicycles, Public Transport, Electrical Cars, Pedestrian Friendly Roads, Plastic Less Campus, Paperless Office, Green Landscaping will be implemented
3	**Practicing human values and professional ethics initiatives for creation and universal values and integrity among all stake holders of the University**	▪ Functioning of the universities as per Professional Code will be ensured ▪ Activities on promotion of universal values (such as Truth, Love, Non-Violence and Peace) will be practiced in the campus

4. Physical and Financial Projections for Implementation of Institutional Development Plan

A) Baseline Data of the University

	Unit	University
Name Of The University	1	**Dr. Babasaheb Ambedkar Marathwada University, Aurangabad – 431 004**
NAAC Accreditation (if none, status of Application)	Grade	**A (3.07 CGPA)**
Year of Accreditation and Cycle		**2013 (2nd Cycle)**
Whether included under 12B of UGC Act	Yes / No	**YES**
Year Of Establishment		**1958**
No.Of Students		
Total Sanctioned Post		**289**
No. of Regular faculty		**182**
Courses / Dept.		**52**
Autonomous / CPE		**All Academic Departments are Academically Autonomous**
Special Attributes , if any		▪ **RUSA Centre for Advanced Sensor Technology** ▪ **Paul Herbert Centre for DNA Barcoding and Biodiversity Study**
Future Commitments :	a) University shall agree to abide by a disclosure management framework	
	b) University shall abide by the principle of mid-course assessment and evaluation	

Financial Plan (Expected From RUSA): Component wise

RUSA Component	Funds Expected From RUSA (in Rs Crore)	Details of Proposed Utilization
Infrastructural (Component 1) (25 %)	30.00	**Civil Work** (New construction of three Centres of Excellence viz i) CoE in Technology Enabled Sensor Devices ii) CoE in Innovative Technologies for Sustainable Development and iii) CoE in Archeology and History of Ajanta, Ellora, Aurangabad Caves, Buddhism and its Social Relevance in Tourism & Cultural Integration).
Research and Innovation (Component 2) (40 %)	48.18	Technical / Laboratory Infrastructure, Staff (Research Assistant, Post Doc Fellows, JRFs, SRFs etc.), travel, contingency, consumables, and institutional overheard of of three Centres of Excellence viz i) CoE in Technology Enabled Sensor Devices ii) CoE in Innovative Technologies for Sustainable Development and iii) CoE in Archeology and History of Ajanta, Ellora, Aurangabad Caves, Buddhism and its Social Relevance in Tourism & Cultural Integration.
Educational Facility Upgradation (Component 3) (10%)	12.00	Purchase of e-books, and e-Journals, books, classroom up-gradation (Technology enabled class rooms /Smart Class rooms), library up-gradation, augmentation of UG/PG laboratories etc.
Faculty Improvement Programme (Component 4) (15%)	18.00	Continuous Upgradation of teaching and Administrative staff (knowledge base and global exposure) through regular faculty development programme delivered through globally recognized guest faculty etc
Equity (Component 5) (10%)	12.00	Establishment of Equal Opportunity Cells, Special initiatives to cater diversity of the students, Disabled Friendly Campus through Wheel chairs and vehicles, Soft skill development drive in each Department, Value added course on life skills and add-on/ bridge courses across all the Departments, Sensitization programs/workshops and augmentation of Foreign Students' Cell
Total	120.18	

Summary of Total Budget Projections during 2017-2020
(Presented as per RUSA Component and NAAC Criteria)

RUSA Component → / Budget Head ↓	Infrastructural Grant (Component 3-7)	Research and Innovation (Component 8)	Equity Component (Component 9)	Faculty Recruitment (Component 10)	Faculty Improvement (Component 11)	Vocationalization (Component 12)	Total
		(All Figures in Lakhs of Rupees)					
Curricular Aspect	00	A — Engineering & Technology **2001**	60	00	00	230	**290**
Teaching Learning & Evaluation	1450		250	3000	300	1120	**6120**
Infrastructure & Learning Resources	14705	B — Science **18744**	196	00	00	1750	**16651**
Student Support & Progression	105		100	00	00	00	**205**
Governance	300	C — Social Science **3399**	00	00	100	00	**400**
Best Practice	1500		00	00	200	00	**1700**
Total Projection	**18060**	**24144**	**606**	**3000**	**600**	**3100**	**25366 + (24144) 49510**
Contribution from External Sources	6960	8380	111	00	00	970	16421

Year wise Budget Requirements (from RUSA)

Name Of The University	2017-18	2018-19	2019-20	Total Cost (Rs. In Crore)
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	20.18	50	50	120.18

Component wise Plan of Action / Implementation Strategy
(Against Budget to be received from RUSA)

Head	Phase – I (till March-2018)	Phase-II (April -2018 to Mach- 2019)	Phase-III (April -2019 to Mach- 2020)
Infrastructure (Component)	(i) Architectural Plan of Buildings for COEs (ii) Approval of Plans for the Buildings from appropriate authorities (iii) Floating of e-Tenders	(i) Construction of buildings for COEs	(i) Completion of Construction of buildings for COEs (ii) Electrical, plumbing and gas lines fitting (iii) Procurement and commissioning of laboratory furniture
Research and Innovation (Component)	(i) Appointment of Research Staff (PDF, JRFs, SRFs and Technical staff) (ii) Finalization of technical specifications for equipments to be procured	(i) Inputs from industries to fine tune and chisel down the objectives (ii) Procurement of chemicals / consumables (iii) Purchase completion of instruments/ equipments and commissioning	(i) Validation of synthesized material for target operational platforms (ii) Optimization for best performance (iii) Development of prototype (iv) Technology transfer

	(iii) Floating of e-Tenders (iv) Preparation of strategic plan for Centre and dissection of each component in consultation working and advisory committee (v) Collection and documentation of archaeological and historical data from the in-situ and peripheral data from Ajanta, Ellora, Aurangabad Caves and lesser known cave heritage sites in the Deccan region and their housing and classification	(iv) Synthesis of novel materials in accordance to objectives and their characterization. (v) Design of experiments / plan to achieve the best in reference of objectives-repeated optimization (vi) Documentation of sculptors and paintings to build up Ajanta-Ellora art gallery in the premises of the History Museum of Department of History and Ancient Indian Culture (vi) SCOPUS/ Web of Science/ Peer Reviewed publications, IPR	(v) In tune with ecological conservation and sustainability of the world heritage sites of Ajanta, Ellora and lesser known Cave heritage sites, different socio-administrative and academic groups per. se. Archeological Survey of India, State Archeology, Maharashtra Tourism, Forest Department, Urban and Rural Development Departments will be engaged. To further engage Public-Private Partnership (PPP) NGO's and organizations of Civic support for motivating youth participation in the research project. (vi) SCOPUS/ Web of Science/ Peer Reviewed publications, IPR
Educational Facility Upgradation (Component)	(i) Drafting of technical specifications for technology enabled class rooms and Technical infrastructure of UG/PG laboratories (ii) Purchase approvals from appropriate authorities (iii) Floating of e-Tenders (Phase – I)	(i) Completion of procurements for technology enabled class rooms and Technical infrastructure of UG/PG laboratories (Phase – I) (ii) Commissioning of Technical Infrastructure (Phase – I) (iii) Completion of purchase procedure for Books and E-Books (Phase – I)	(i) Purchase and procurements for technology enabled class rooms and Technical infrastructure of UG/PG laboratories (Phase – II) (ii) Commissioning of Technical Infrastructure (Phase – II) (iii) Completion of purchase procedure for Books and E-Books (Phase – II)

	(iv) Initiation of purchase procedure for Books and E-Books (Phase I)		
Faculty Improvement program (Component)			
Department –wise Refresher Courses (Subject specific and on new curriculum) Duration of each Programme : 1 week	**Number of Programmes: 366** **Total Number of Participants : 21960** (Please see Anne- I for Details)	**Number of Programmes: 600** **Total Number of Participants : 36000** (Please see Anne- I for Details)	**Number of Programmes: 600** **Total Number of Participants : 36000** (Please see Anne- I for Details)
At least 150 workshops (One week duration) will be organized for Administrative staff of the University during three years	**Number of Programmes: 30** (cadre-wise) **Total Number of Participants : 1500** (Please see Anne- II for Details)	**Number of Programmes: 60** (cadre-wise) **Total Number of Participants : 3000** (Please see Anne- II for Details)	**Number of Programmes: 60** (cadre-wise) **Total Number of Participants : 3000** (Please see Anne- II for Details)
Support to faculty Members	Proposals will be invited from eligible faculty members and lady faculty under various schemes (Attending Conference/workshop, filing IPR and SCOPUS publications). Funding will be given after scrutiny of proposals.	Proposals will be invited from eligible faculty members and lady faculty under various schemes (Attending Conference/workshop, filing IPR and SCOPUS publications). Funding will be given after scrutiny of proposals.	Proposals will be invited from eligible faculty members and lady faculty under various schemes (Attending Conference/workshop, filing IPR and SCOPUS publications). Funding will be given after scrutiny of proposals.
Equity (Component)	(i) Establishment of Equal Opportunity Cell.	(i) Augmentation of Foreign Students Cell	(i) 100 special Training programme to all

(ii) University website will be updated and enriched (iii) Drives will be made to attract foreign students and out of state students (iv) Steps to conduct CETs across the state (v) 125 soft skills development camps and other training programmes for all stakeholders of the University **(Please see Anne- III for Details)**	(ii) 100 special Training programme to all stakeholder of the University (iii) 10 value added courses (on life thinking and consciousness) (iv) 20 sensitization programme (various issues of equity, inclusion, social justice, relevant socio-economic issues, gender sensitization etc) (v) Strategic steps to enrich admission activity will be continual process (vi) Fifty two soft skills development camps (One for each Department) (vii) Basic amenities (like Wheel Chairs, Vehicles, lift etc) for differently abled students will be procured **(Please see Anne- III for Details)**	stakeholder of the University (ii) 10 value added courses (on life thinking and consciousness) (iii) 20 sensitization programme (various issues of equity, inclusion, social justice, relevant socio-economic issues, gender sensitization etc) (iv) Strategic steps to enrich admission activity will be continual process (v) Fifty two soft skills development camps (One for each Department) **(Please see Anne- III for Details)**

Justifications and Specific Outcomes of the Budget expected from RUSA:

1. Details of Component-wise Budget Requirement, Justifications and Deliverable / Outcomes

i) Component-wise Budget Requirements with Justification and Tangible Deliverables / Outcomes

	Infrastructure Component				
Sr. No	Details	Number of units	Funds sought from RUSA (2017-2020) (Rs. in lakhs)	Justification	Specific Outcome
1	Construction of Building for Centre Excellence in Technology Enabled Sensor Devices	Built-up Area: 2154 sqm	1200	i) Many new high-end equipments are going to be procured under this Centre that requires dedicated laboratories for commissioning. ii) The centre is going to be a common research destination for scholars across the state and country. Therefore, laboratories and analysis zone has to be created to cater wide strata of diverse research (Dept of Electronics, Dept of Nanotechnology and Deen Dayal Upadhyay KAUSHAL Kendra will be integral part of this Building)	State-of-the-art building to support quality research

2	Construction of Building for Centre Excellence in Innovative Technologies for Sustainable Development	i) Built-up Area: 1436 Sqm	800	i) Many new high-end equipments are going to be procured under this Centre that reqires dedicated laboratories for commissioning. ii) The centre is going to be a common research destination for schalars across the state and country. Therefore, laboratories and analysis zone has to be created to cater wide strata of diverse research (Department of Biochemistry and DNA Barcoding Centre will be integral Part of this Building)	State-of-the-art buidling to support quality research
3	Construction of Building for Centre Excellence in Archaeology and History of Ajanta, Ellora, Aurangabad Caves, Buddhism and its Social Relevance in Tourism & Cultural Integration	i) Built-up Area: 2490 Sqm	1000	For expansion of the Museum building where data collected and painting and sculptural (replica) gallery will be housed (Dept of Archaeology, School of Liberal Art and Dept. of History) will be integral part of this building)	Museum and Resource Centre on Ajanta, Ellora, Aurangabad Caves and Lesser Known Cave Temple Heritage and their cultural legacy in Deccan
	Total		**3,000**		

			Research and Innovation Component	
Sr. No	**Details**	**Funds sought from RUSA (2017-2020) (Rs. in lakhs)**	**Justifications**	**Outcomes**
	Centre of Excellence			
1	Centre of Excellence in Technology Enabled Sensor Devices (PI- Professor M. D. Shirsat; Dept. of Physics/RUSA CAST)	1400	1. The long-term objectives of the Centre have been kept to be aligned with national education Policies (viz. building values, awareness, knowledge and skills) 2. The Core R & D aim of the Centre has been related to smart engineered materials to address challenges of sensors for critical application(both physical and chemical), design and development of micro/nanoelectronics devices and micro/nano electromechanical systems for sensor modality, sensor validation as per standards and transfer of technology. In order to have highest emphasis on the technology transfer, problems related to immediate societal or industrial needs has been decided to be kept at prime impetus of the Centre, 3. The research problems identified and to be taken up as immediate objectives have been completely derived from immediate/ long term	i) Handheld gadget/ device for Real time, on field detection of 'Pb' (Heavy Metal Ion) in Groundwater around Industrial clusters in Aurangabad ii) Handheld gadget/ device for Real time, on field detection of 'harmful VOCs group- benzene toluene and xylene' in indoor and ambient atmosphere iii) Implementation of interbandgap materials for photo sensor applications iv) Handheld gadget/ device for Real time, on field detection of the level of 2.5 micron and 10 micron Respiratory Particulate Matter in atmosphere v) Handheld gadget/Device for Real time, on field detection of explosives (TNT, DNB; RDX; TATP, HTD) vi) SCOPUS Publications vii) Patents viii) Technology Transfer

societal need and outcome of the research can be easily taken up by industries for commercial production.
Following are vis-à-vis justifications-

(a) Reports of Ground Water Board, Govt. of India shows that groundwater in and around industrial clusters in Aurangabad is heavily contaminated with 'Pb' which is harmful for human being as well as other natural habitat. Therefore, a real time sensing gadget for 'Pb' detection will be of societal and commercial importance.

(b) Similarly, 'benzene, toluene, xylene sensors will be of immense importance to monitor indoor and workplace air quality as immediate carcinogenic effects of these elements have been reported. Also for analysis of vehicle exhaust, these sensors may found application. Commercial viability of devices with such sensors are therefore undoubted.

(c) Photo-sensors for low light applications are of commercial importance with prospects of new generation solar cells.

(d) The menace of air pollution is ever increasing and as urbanization is on higher node, Respiratory Particulate

			Matters are going to be among greatest threats in coming years. Present available resources are costly, a bulky and incapable of mobile applications. Therefore, a gadget/ device capable of real time sensing of RPMs will have high commercial importance. (e) On-time, on field Explosive detection is of extreme importance in purview of increasing terrorism around the globe. Existing mechanisms are not mobile and canines have their limitations as well. Therefore, sensors for explosives and gadgets for real time explosive detection are having high commercial prospect.	
2	Centre of Excellence in Innovative Technologies for Sustainable Development (PI- Professor K. V. Kale; Dept of Computer Science)	**1918.78**	This centre will of unique of kind in Maharashtra dealing to develop technologies related to crop improvement. Drought is the major stress factor which threats to many agriculture crops. Therefore we have proposed to develop regulatory mechanism of drought tolerant gene for Soybean using tools of plant biotechnology. Promoter allow differential expression of genes & amount of gene product to be expressed. The transgenic plants expressing these genes improve drought tolerance under stress. These plants would be tested under normal &	☐ Geospatial big data analytic Agriculture information system (GBDAIS) i) Crop classification, area estimation, molecular ecology informatics, crop health and condition, soil map and health, drought parameter estimation etc. for various agricultural related schemes ii) Crop type classification and area estimation iii) Crop health Assessment and remedial advice and product iv) Soil Maps creation and its content estimation v) Drought severity maps creation and drought assessment

			stressful condition in greenhouse & on field. Development of regulatory mechanism of drought tolerant genes will have major impact on various crops & ultimately on Indian economy. These transgenic plants will have the potential to improve drought tolerance under drought condition.	vi) Parameter extraction for crop yield estimates vii) Sensor Web Enabled crops surveillance I/O system and feedback mechanism for farmers viii) Repository of Spectral library ix) IPR generation Identifying genes through massive screening and selecting various germplasm x) Identifying genes through massive screening and selecting various germplasm xi) Target gene characterization, transcriptomic analysis for differential expressions, and final target gene selection xii) Development of gene construct and clone studies xiii) Development of transgene / MAS selected variety tolerance to drought
3	Centre of Excellence in Archaeology and History of Ajanta, Ellora, Aurangabad Caves, Buddhism and its Social Relevance in Tourism & Cultural Integration (PI Professor V. L. Dharurkar, Dept of Archaeology)	1500	1) For initiation of a Special Initiatives on social relevance of Ajanta, Ellora and Aurangabad caves in cultural integration 2) For remuneration of research scholars. Field investigators and post-doctoral research fellows, 2. Expenses incurred in documentation and field works data collection, 3. purchase of equipments	i) Data collected for the research project will be collected in first phase. Data analysies nad first phase research, conducting skilled workshops and seminars ii) Peer reviews research articles, research based books and monographs, conducting seminar and research discussion activities. Launching of musuem gallery for paintings and sculptors of Ajanta, Ellora and Aurangabad Caves. Special we portal and appalication for the heriateg sites and their utility and aestics imparted to the common people iii) Peer reviewed research articles, research based books and monographs, conducting

			seminar and research discussion activities. Continuous maintainance of musuem gallery for paintings and sculptors of Ajanta, Ellora and Aurangabad Caves. Annual mainataince Special we portal and appalication for the heriateg sites and their utility and aestics imparted to the common people. Inclusion of corporate sector in the sustainbel and ecological mainatainance of the heriateg sites of Ajanta, Ellora, Aurangabad Caves and Lesser Known Caves of Marathwada, Maharsahtra and Deccan	
	Grand Total	**4818.78**		

	Budget requirements under Educational Facility Upgradation Component			
Sr. No	Details	Funds sought from RUSA (2017-2020) (Rs. in lakhs)	Justification	Specific Outcome
1	Books/Journals for KRC	300	Continuous improvement in knowledge base is required to cater the demands of changing curricula and changing world.	Academic and research outcome would be further enhanced
2	E-resources	300	Continuous Upgradation of information at horizontal level research as well as global perspective of teaching learning needs to be at the hands of the students 24 X 7	Creativity of students will be enhanced to ensure better research and academic output.

3	Classroom Upgradation (PCs/ Projectors/Document Cameras/Smart boards for technology enabled classrooms)	200	Technology enabled classrooms are call of the day.	Creativeness among students, implementation of interactive teaching, and global outreach through a single platform will be achieved that will help the students to address demand of time.
4	Lab equipment including Language Lab (UG/PG Lab augmentation)	350	Most of the UG/PG laboratories are needed to be upgraded in tune with revision of curriculum. At the same time, language departments are needed to be augmented with language laboratories. Five year integrated program in some identified interdisciplinary areas of science and technology discipline (for ex. Having integration of some of the following subjects viz. Physics, Chemistry, Maths, Electronics and Computer Science) will be initiated and accordingly technical infrastructure will be created/ augmented.	Students will be introduced to advance equipments in science and technology. This will increase their knowledge base and sense of application. Language labs will enhance communication skills in students. Students would be prepared in focused areas of proficiency (from grass root level)
4	LMS and Online Internal Examination Software	50	For better management of administration, academics and evaluation	Online University examination, web based teaching-learning process and feedback process
	Total	**1,200**		

	Faculty Improvement Programme Component			
Sr. No	Details	Funds sought from RUSA (2017-2020) (Rs. In Lakhs)	Justification	Specific Outcome
1	No. of refresher courses to be organized i) At least two refresher courses (two weeks duration) will be organized for each Department / Subject in one Academic year. Therefore, approximately 1500 refresher courses will be organized during three years) ii) Special workshops (One workshop in one Academic Year for each Department) for Faculty Development towards new Curriculum (Training Trainers) will be organized iii)At least 20 workshops (One week duration) will be organized for Administrative staff of the University during three years	**700**		
2	Consumables	**200**	Continuous Upgradation of faculty knowledge base and global exposure through regular faculty development programme	Teachers equipped with knowledge and capabilities to address the changing teaching learning demands

Sr. No	Details		Justifications	Specific Outcome
3	Contingency	200	delivered through globally recognized guest faculty	of time, will will lead to a substantial increase in academic output of the University
4	Program cost	200	Continuous Upgradation of administrative capabilities of all administrative staff working in academic and administrative departments through quality deliberations and workshops	Well managed and administered process at all walks of the University
5	Travel for experts	500		
	Total	**1800**		

	Equity Component			
Sr. No	Details	Funds sought from RUSA (2017-2020) (Rs. In Lakhs)	Justifications	Specific Outcome
1	Equal Opportunity Cell	100	• Dedicated 'Equal Opportunity Cell' will be established in the campus for definition of policies related to equity and inclusion, their implementation, and monitoring on effective compliance with the policies in campus • Equity Cell will organize programme periodically, throughout the year, for sensitization on various issues of	• Equal opportunity to all stakeholders • Uplifting of all sections of the society

			equity, inclusion, social justice and related socio-economic issues	
2	Disabled Friendly Campus, Wheel chairs, vehicles and lifts	50	§ The campus should be facilitative to differently abled students	§ Adequate Ramps, wheel chairs, and dedicated Toilets in the campus for differently abled students
3	Enhancing Soft Skills of Students Soft skill development drive in each department	200	As most of the students enrolled in the University campus are from rural, socially disadvantaged class of the society, they eventually lack in soft skill which create hindrance in their overall development	Students with better confidence, personality and communication skill. This is increase the employability of the students.
4	Value added course on life skills and add-on / bridge courses across all the Departments	300	Value addition in life, thinking and consciousness is essential for holistic development of the students	Students with broad and open minded ness with capability to build an ideal society. This will enhance the overall perception of the University.
5	Various special training and Sensitization Program/Special Training Programmes for all stakeholders	200	• Equity Cell will organize programme periodically, throughout the year, for sensitization on various issues of equity, inclusion, social justice and related socio-economic issues • Department-wise program on gender sensitization and issues on social scenario will be organized	Stakeholders with sound knowledge and mental readiness

| 6 | Others (Well planned Admission process and activities with CET etc. and Augmentation of Foreign Students' Cell | 350 | • Steps needed to be adopted to have Global outreach to ensure enhancement in the enrolment of the student in the University campus (both quantitatively and qualitatively).
To enhance enrolment of foreign students
• Facilitate foreign students in their every need
• To create a global academic ambience | • Well defined admission policy
• Enriched University website as a whole, and departmental websites independently so as to attract students from state/out of state/ out of country
• Round the year admission initiatives
• Special drive to attract foreign students

➢ Globally recognized University
➢ Higher foreign student enrolment and revenue generation through tuition fees |
| **Grand Total Rs. In Lakhs** | | **1200** | | |

ii)   **1 year, 3 year and 5 year plan with clear tangible targets / deliverables and sustainability plan of the Centres of Excellence :**

A) **Centre of Excellence in Technology Enabled Sensor Devices**

(i)   **Deliverables**

Sr. No.	Research Problem	Objective	Deliverable	Timeline
1	Real time, on field detection of 'Pb' (Heavy Metal Ion) in Groundwater around Industrial clusters in Aurangabad	To come out with material and technology for stable detection of 'Pb' in aqueous media	**Handheld gadget for detection of 'Pb' in aqueous media**	**After 1 year**

2	Real time, on field detection of 'harmful VOCs' in indoor and ambient atmosphere	To come out with material and technology for stable detection of VOCs in air	**Handheld gadget for detection of VOCs in air**	**After 3 yrs**
3	Implementation of interbandgap materials for photo sensor applications	To come out with interbandgap materials and technology to implement them low light photo sensing applications	**Photo sensor to operate at low strength signal**	**After 3 yrs**
4	Real time, on field detection of the level of 2.5 micron and 10 micron Respiratory Particulate Matter in atmosphere	To come out with material and technology for stable detection of RPM in air	**Handheld gadget for detection of particulate matters in air**	**After 5 yrs**
5	Real time, on field detection of explosives (TNT, DNB; RDX; TATP, HTD)	To come out with material and technology for stable detection of specified class of explosives	**Handheld gadget(s) for detection of specified class of explosives**	**After 5 yrs**

ii) Sustainability Plan

Sustainability Factor	Sustainability Objective	Sustainability Actions
Salary of Staff	To ensure 02 PDF, 05 project assistant, 02 technical staff and 02 MTS positions at regular basis in the Centre. Among these, the PDF and Project Assistant positions will be rolling in nature while the Technical Staff and MTS will be permanent in nature	(i) At least 01 MTS and 01 Technical Staff position to be supported by University. (ii) Some research positions will be created through Govt. agency sponsored projects that will cater the necessities of project assistants and PDFs (iii) Some research positions will be created through industry sponsored projects where industry will be sponsoring research positions

		(iv) 01 position of technical staff to be supported by concern who is supplying heavy equipment which will be further taken care of through revenue generated by consultancy services (v) 01 Technology Transfer Officer (TTO) position will be created from revenue generated through consultancy/ technology transfer/ outreach activities*
Regular Laboratory Consumables	There should be uninterrupted inflow of required chemicals and other consumables through all sections	(i) Partial support from University yearly budget (ii) Govt. Agency sponsored projects (iii) Industry sponsored projects
Routine maintenance (incl.equipment maintenance)	Maintenance of heavy machinery and other civil repairing/ minor augmentations	(i) Partial support from University yearly budget (ii) From fund generated through consultancy/ technology transfer/ outreach activities *
Operative/Contingency expenses	Regular running expenses (e.g- secretarial expenses)	From fund generated through consultancy/ technology transfer/ outreach activities *

B) **Centre of Excellence in Innovative Technologies for Sustainable Development**

i) **Deliverables**

Geospatial big data analytic Agriculture information system (GBDAIS)
i) Crop classification, area estimation, molecular ecology informatics, crop health and condition, soil map and health, drought parameter estimation etc. for various agricultural related schemes
ii) Crop type classification and area estimation
iii) Crop health Assessment and remedial advice and product
iv) Soil Maps creation and its content estimation
v) Drought severity maps creation and drought assessment
vi) Parameter extraction for crop yield estimates
vii) Sensor Web Enabled crops surveillance I/O system and feedback mechanism for farmers
viii) Repository of Spectral library

ix) IPR generation

x) Identifying genes through massive screening and selecting various germplasm

xi) Identifying genes through massive screening and selecting various germplasm

xii) Target gene characterization, transcriptomic analysis for differential expressions, and final target gene selection

xii) Development of gene construct and clone studies xiii) Development of transgene / MAS selected variety tolerance to drought

ii)   **Sustainability plan**

Sustainability Factor	Sustainability Objective	Sustainability Actions
Staff salary	1.Salary for staff to run the centre 2. Lab consumables and reagents 3. Maintenance	1. Out sourcing for lab facilities will earn which will be reinvested in research for salary and other lab supplies. 2. Major source for lab income will come from technology development and technology commercialization will make lab sustainable from third year onwards.

C) **Centre of Excellence in Archaeology and History of Ajanta, Ellora, Aurangabad Caves, Buddhism and its Social Relevance in Tourism & Cultural Integration**

i)   **Deliverables**

1 year	3 year	5 year
Data collected for the research project will be collected in first phase. Data analysis and first phase research,	Peer reviews research articles, research based books and monographs, conducting seminar and research discussion activities. Launching of museum gallery for paintings and sculptors of Ajanta, Ellora and Aurangabad Caves. Special we portal	Peer reviewed research articles, research based books and monographs, conducting seminar and research discussion activities. Continuous maintenance of museum gallery for paintings and sculptors of Ajanta, Ellora and Aurangabad Caves. Annual

conducting skilled workshops and seminars	and application for the heritage sites and their utility and aestics imparted to the common people	maintenance Special we portal and application for the heritage sites and their utility and aestics imparted to the common people
		Continuous maintenance of museum gallery for paintings and sculptors of Ajanta, Ellora and Aurangabad Caves. Annual maintenance Special we portal and application for the heritage sites and their utility and aestics imparted to the common people. Inclusion of corporate sector in the sustainable and ecological maintenance of the heriateg sites of Ajanta, Ellora, Aurangabad Caves and Lesser Known Caves of Marathwada, Maharashtra and Deccan

Annexure I

Details of the Programme to be organized under Faculty Development Programme in three years durations

Sr. No.	Subject	Title of training Program	No. of Programs	No. of Participants	Duration	Measurable Outcomes of the Training programme
1.	**Automobile**	Automotive Engine Development– Trends and Technologies.	6	360	1 Week	Skill enhancement of the faculty members in the area of Automobile Technology
2.		Fault diagnosis of various sensors in MPFI and CRDI engines using engine analyzer.	6	360	1 Week	Skill enhancement of the faculty members in the area of Automobile Technology
3.		Training on Two Wheeler emission control and emission standards.	6	360	1 Week	Skill enhancement of the faculty members in the area of Automobile Technology
4.		Hands-on training to solve vehicle dynamics mathematical model using MATLAB.	6	360	1 Week	Skill enhancement of the faculty members in the area of Automobile Technology
5.		Hands-on training on Fuel injection systems.	6	360	1 Week	Skill enhancement of the faculty members in the area of Automobile Technology
6.		Theory and Performance Evaluation of Automotive Vehicle Subsystems using Modern	6	360	1 Week	Skill enhancement of the faculty members in the area of Automobile Technology

		Tools and Equipment.				
7.		Use of ICT in Education for Online and Blended Learning	6	360	1 Week	Skill enhancement of the faculty members in the area of Automobile Technology
8.	**Industrial Automatio n**	Programmable Logic Controllers and Advanced Integrated Controllers as components for Automation 4.0	6	360	1 Week	Skill enhancement of the faculty members in the area of Industrial Automation
9.		Remote Control of Industrial processes : SCADA, HMI and Smart Sensor Networks	6	360	1 Week	Skill enhancement of the faculty members in the area of Industrial Automation
10.		Industrial Networking and Distributed Control Systems: Upcoming Trends	6	360	1 Week	Skill enhancement of the faculty members in the area of Industrial Automation
11.		Automated Manufacturing and Allied Control through Robotic Applications	6	360	1 Week	Skill enhancement of the faculty members in the area of Industrial Automation
12.		Computer Integrated and Flexible Manufacturing	6	360	1 Week	Skill enhancement of the faculty members in the area of Industrial Automation

13.		Process Control : Changing Modalities in Factory Automation	6	360	1 Week	Skill enhancement of the faculty members in the area of Industrial Automation
14.	**Physics**	Optical Fiber Technology	6	360	1 Week	Knowledge Upgradation
15.		Astrophysics (Astronomy, Astrometry, Cosmology, Gravitation physics, High-energy astrophysics, Planetary astrophysics, Plasma physics, Solar physics, Space physics, Stellar astrophysics)	6	360	1 Week	Knowledge Upgradation
16.		Theoretical Physics	6	360	1 Week	Knowledge Upgradation in the given specialized area
17.		Computational Physics	6	360	1 Week	Knowledge Upgradation in the given specialized area
18.		Nuclear Physics	6	360	1 Week	Knowledge Upgradation in the given specialized area
19.		Modelling of Devices	6	360	1 Week	Knowledge Upgradation in the given specialized area
20.		Classical Physics	6	360	1 Week	Knowledge Upgradation in the given specialized area

21.		Accelerator physics	6	360	1 Week	Knowledge Upgradation in the given specialized area
22.		Agrophysics	6	360	1 Week	Knowledge Upgradation in the given specialized area
23.		Biophysics	6	360	1 Week	Knowledge Upgradation in the given specialized area
24.		Chemical Physics	6	360	1 Week	Knowledge Upgradation in the given specialized area
25.		Engineering physics	6	360	1 Week	Knowledge Upgradation in the given specialized area
26.		Fluid dynamics	6	360	1 Week	Knowledge Upgradation in the given specialized area
27.		Laser Physics	6	360	1 Week	Knowledge Upgradation in the given specialized area
28.		Medical physics	6	360	1 Week	Knowledge Upgradation in the given specialized area
29.		Photonics	6	360	1 Week	Knowledge Upgradation in the given specialized area
30.		Quantum chemistry,	6	360	1 Week	Knowledge Upgradation in the given specialized area
31.		Quantum electronics	6	360	1 Week	Knowledge Upgradation in the given specialized area

32.	**Chemistry**	Advanced Technology for Agriculture waste biomass transformation in valuable chemicals	6	360	1 Week	Knowledge Upgradation in the given specialized area
33.		Design and Development Micro-reactor Technology for fine Chemical production	6	360	1 Week	Knowledge Upgradation in the given specialized area
34.		Supramolecular Chemistry	6	360	1 Week	Knowledge Upgradation in the given specialized area
35.		Organic Light Emitting Diodes	6	360	1 Week	Knowledge Upgradation in the given specialized area
36.		Development and Application of Metal Organic Framework	6	360	1 Week	Knowledge Upgradation in the given specialized area
37.		Analysis of XRD. XPS, ESR, TPO, BET	6	360	1 Week	Knowledge Upgradation in the given specialized area
38.		Application of Computational Software for designing of Materials for various Applications	6	360	1 Week	Knowledge Upgradation in the given specialized area
39.		Handling of full Proof Software for XRD Analysis	6	360	1 Week	Knowledge Upgradation in the given specialized area
40.		Design and Development of Drugs Molecules for	6	360	1 Week	Knowledge Upgradation in the given specialized area

		Cancer, TB, HIV, viral diseases treatment				
41.		Catalysis Technology in Industrial Important Process	6	360	1 Week	Knowledge Upgradation in the given specialized area
42.		Solar Energy harvesting and Storage	6	360	1 Week	Knowledge Upgradation in the given specialized area
43.		Organic and inorganic Photochemistry	6	360	1 Week	Knowledge Upgradation in the given specialized area
44.		Membrane Technology	6	360	1 Week	Knowledge Upgradation in the given specialized area
45.		Small Scale Chemical Process Technology	6	360	1 Week	Knowledge Upgradation in the given specialized area
46.	Commerce	Entrepreneurship Development Program	6	360	1 Week	Knowledge enhancement for Entrepreneurship Development
47.		Taxation	6	360	1 Week	Knowledge enhancement for Taxation
48.		New Trends in Research Methods	6	360	1 Week	Knowledge enhancement in New Trends in Research Methods
49.		Business Communication	6	360	1 Week	Knowledge enhancement in Business Communication
50.	Management Science	Entreprenuership Development	6	360	1 Week	Teaching skill enhancement in Entrepreneurship Development
51.		e-commerce	6	360	1 Week	e-commerce knowledge enhancement

52.		International Business Workshops	6	360	1 Week	International Business knowledge enhancement
53.		Research Methodology in Management Science	6	360	1 Week	Enhancement of the research skills
54.	Tourism Administration	Sequential Equation Modelling (SEM) in Tourism	6	360	1 Week	SEM knowledge enhancement
55.		Tourism Planning	6	360	1 Week	knowledge enhancement about tourism planning
56.		Tourism Photography workshop	6	360	1 Week	Development of photography skills
57.		Tourist Sites visits	6	360	1 Week	Acknowledging the infrastructure at tourist sites
58.		Tourism Economic and regional revitalization	6	360	1 Week	Socio-economic impacts of the locals will be considered by the faculty for research
59.		Teaching Skills for Tourism	6	360	1 Week	Skill development for tourism teaching
60.		Research Skills for Tourism	6	360	1 Week	Enhancement of the research skills in Tourism
61.	Journalism	Application of Statistical Techniques in Research using SPSS	6	360	1 Week	Enhancement of the research skills
62.		Neuro-Linguistic Programming	6	360	1 Week	Knowledge enhancement for faculty
63.		Research Methodology	6	360	1 Week	Enhancement of the research skills in Journalism
64.	Printing Technology	Standardization at Press Room	6	360	1 Week	Knowledge enhancement for faculty

		Operation Workshop				
65.		Printing inks, dyes performance	6	360	1 Week	Knowledge enhancement for faculty
66.		Papers paper board performance board	6	360	1 Week	Knowledge enhancement for faculty
67.		Label printing and manufacturing workshop	6	360	1 Week	Knowledge enhancement for faculty
68.		Corrogation packaging workshop	6	360	1 Week	Knowledge enhancement for faculty
69.		Flexible packaging concepts & standardization workshop	6	360	1 Week	Knowledge enhancement for faculty
70.	Music	Music workshop of renowned artists	6	360	1 Week	Knowledge enhancement for faculty
71.		Reserach Methodology in Music	6	360	1 Week	Enhancement of the research skills in music
72.	Liberal Art	Culture Communication	6	360	1 Week	Knowledge enhancement about Cultural Communication
73.		Communication soft skills	6	360	1 Week	Skill enhancement for Communication soft skills
74.	Fine Art	Creative painting workshop	6	360	1 Week	Knowledge enhancement for Creative painting
75.		Landscape painting workshop	6	360	1 Week	Knowledge enhancement for Landscape painting
76.		Poster making workshop	6	360	1 Week	Knowledge enhancement Poster making

77.		Photography workshop	6	360	1 Week	Knowledge enhancement for Photography
78.		Animation workshop	6	360	1 Week	Knowledge enhancement for Animation
79.	Microbiology	Microbial Genomes, Biogeochemistry, And Diversity	6	360	1 Week	Knowledge Upgradation in the given specialized area
80.		Recent techniques in Disease diagnosis	6	360	1 Week	Knowledge Upgradation in the given specialized area
81.		Immunology-Trends and Technologies	6	360	1 Week	Knowledge Upgradation in the given specialized area
82.		Microbial Ecology and its Applications	6	360	1 Week	Knowledge Upgradation in the given specialized area
83.		Genomics of Prokaryotes	6	360	1 Week	Knowledge Upgradation in the given specialized area
84.		Fish Diseases In Conservation Biology and Aquaculture	6	360	1 Week	Knowledge Upgradation in the given specialized area
85.		Microbial & Bioinformatics and Genome Evolution	6	360	1 Week	Knowledge Upgradation in the given specialized area
86.		Mathematical Modeling of Microbiology Systems	6	360	1 Week	Knowledge Upgradation in the given specialized area
87.		Molecular Host-Microbe Interactions	6	360	1 Week	Knowledge Upgradation in the given specialized area

88.		Methods of Data Analysis	6	360	1 Week	Knowledge Upgradation in the given specialized area
89.		Statistical Methods for Genomics Research	6	360	1 Week	Knowledge Upgradation in the given specialized area
90.		Advances Community Ecology	6	360	1 Week	Knowledge Upgradation in the given specialized area
91.	Botany	Application of Plant Science for crop production	6	360	1 Week	Knowledge Upgradation in the given specialized area
92.		Nutraceuticals important plant and its use	6	360	1 Week	Knowledge Upgradation in the given specialized area
93.		Plant genomics	6	360	1 Week	Knowledge Upgradation in the given specialized area
94.		Quantitative Ecology	6	360	1 Week	Knowledge Upgradation in the given specialized area
95.		Propagation of economically important plants using cell and Tissue culture	6	360	1 Week	Knowledge Upgradation in the given specialized area
96.		Genetic Engineering of plant to produce pharmaceuticals	6	360	1 Week	Knowledge Upgradation in the given specialized area
97.		Breeding of plants with desirable genetic characters	6	360	1 Week	Knowledge Upgradation in the given specialized area

98.		Phytopatholog y : recent trends	6	360	1 Week	Knowledge Upgradation in the given specialized area
99.		Techniques in plant molecular biology	6	360	1 Week	Knowledge Upgradation in the given specialized area
100.		Fundamental aspect of plant science with implication of botanical knowledge for applied plant science	6	360	1 Week	Knowledge Upgradation in the given specialized area
101.	Environmen tal science	Training Programme for Environmental Regulators	6	360	1 Week	Knowledge Upgradation in the given specialized area
102.		Urban Rainwater Harvesting	6	360	1 Week	Knowledge Upgradation in the given specialized area
103.		Decentralized Wastewater Treatment & Reuse Policy Workshop	6	360	1 Week	Knowledge Upgradation in the given specialized area
104.		Drinking water for the last person: CSE training programmes for PHED	6	360	1 Week	Knowledge Upgradation in the given specialized area
105.		Managing Urban Air Quality: Focus on Clean and Fuel Efficient Vehicles	6	360	1 Week	Knowledge Upgradation in the given specialized area
106.		Urban transportation and mobility: Reform Agenda	6	360	1 Week	Knowledge Upgradation in the given specialized area

107.		Green Schools Teachers' Training Programme	6	360	1 Week	Knowledge Upgradation in the given specialized area
108.		Environment Impact Assessment	6	360	1 Week	Knowledge Upgradation in the given specialized area
109.		Empowering Institutions: Information Management and Web-based Outreach	6	360	1 Week	Knowledge Upgradation in the given specialized area
110.		E-Outreach : New media technologies for advocacy and strategic communication	6	360	1 Week	Knowledge Upgradation in the given specialized area
111.		Visual communication and new media in the digital age	6	360	1 Week	Knowledge Upgradation in the given specialized area
112.	Biochemistry	The Human Genome and Disease	6	360	1 Week	Knowledge Upgradation in the given specialized area
113.		The Human Genome and Disease: Genetic Diversity and Personalized Medicine–	6	360	1 Week	Knowledge Upgradation in the given specialized area
114.		Biological Macromolecules	6	360	1 Week	Knowledge Upgradation in the given specialized area
115.		Chemistry of Biological Processes	6	360	1 Week	Knowledge Upgradation in the given specialized area

116.		Currents in Biochemistry	6	360	1 Week	Knowledge Upgradation in the given specialized area
117.		Molecular Foundations of Medicine	6	360	1 Week	Knowledge Upgradation in the given specialized area
118.		Frontiers in Biological Research	6	360	1 Week	Knowledge Upgradation in the given specialized area
119.		Biology by the Numbers	6	360	1 Week	Knowledge Upgradation in the given specialized area
120.		Basics of extracellular vesicles	6	360	1 Week	Knowledge Upgradation in the given specialized area
121.	Biotechnology	Patenting of Biotechnology	6	360	1 Week	Knowledge Upgradation in the given specialized area
122.		Drug discovery	6	360	1 Week	Knowledge Upgradation in the given specialized area
123.		Genomics: Decoding the Universal Language of Life	6	360	1 Week	Knowledge Upgradation in the given specialized area
124.		Industrial Biotechnology	6	360	1 Week	Knowledge Upgradation in the given specialized area
125.		Genes and the Human Condition (From Behavior to Biotechnology)	6	360	1 Week	Knowledge Upgradation in the given specialized area

126.		Systems Biology and Biotechnology Specialization	6	360	1 Week	Knowledge Upgradation in the given specialized area
127.		Introduction to High-Throughput Materials Development	6	360	1 Week	Knowledge Upgradation in the given specialized area
128.		Systems Biology and Biotechnology Capstone	6	360	1 Week	Knowledge Upgradation in the given specialized area
129.		Experimental Methods in Systems Biology	6	360	1 Week	Knowledge Upgradation in the given specialized area
130.		Network Analysis in Systems Biology	6	360	1 Week	Knowledge Upgradation in the given specialized area
131.	Zoology	Taxonomy: new trends and approaches	6	360	1 Week	Knowledge Upgradation in the given specialized area
132.		Biochemical analysis and its inference in Zoological research	6	360	1 Week	Knowledge Upgradation in the given specialized area
133.		Biological data analysis and representation	6	360	1 Week	Knowledge Upgradation in the given specialized area
134.		Modern tools and techniques in Zoological research	6	360	1 Week	Knowledge Upgradation in the given specialized area
135.		Endocrinology: functional approach	6	360	1 Week	Knowledge Upgradation in the given specialized area

136.		Taxicology : various approaches	6	360	1 Week	Knowledge Upgradation in the given specialized area
137.		Parasitic identification: new trends	6	360	1 Week	Knowledge Upgradation in the given specialized area
138.		Molecular taxonomy : a new avenue for Zoological research	6	360	1 Week	Knowledge Upgradation in the given specialized area
139.	Mathematics	Wavelet Analysis and Applications	6	360	1 Week	Knowledge Upgradation in the given specialized area
140.		Fuzzy Mathematics	6	360	1 Week	Knowledge Upgradation in the given specialized area
141.		Mathematical Modeling	6	360	1 Week	Knowledge Upgradation in the given specialized area
142.		Computational Fluid Dynamics	6	360	1 Week	Knowledge Upgradation in the given specialized area
143.		Finite Element Methods	6	360	1 Week	Knowledge Upgradation in the given specialized area
144.		Quantum Computing	6	360	1 Week	Knowledge Upgradation in the given specialized area
145.		Training on Use of Mathematical Software in Research	6	360	1 Week	Knowledge Upgradation in the given specialized area
146.		Fractional Calculus	6	360	1 Week	Knowledge Upgradation in the given specialized area

147.	Statistics	Advances in Data mining	6	360	1 Week	Development of Skill in Multivariate Data Science
148.		Actuarial Statistics and Data Envelopment Analysis	6	360	1 Week	Consultancy in Insurance sectors
149.	Computer Science	Deep Learning techniques for data analytics	6	360	1 Week	1. Understanding data analytics 2. Concepts of big data analytics 3. Deep learning concepts and techniques 4. Application development using Deep learning.
150.		Hyperspectral Data processing and managements	6	360	1 Week	1. Understanding the concepts of hyperspectral data Collection, calibration and processing skills for hyperspectral data 3. Hyperspectral data application developments.
151.	Computer science and engineering	Internet of Things (IoT)	6	360	1 Week	1. Understanding IoT and its applications 2. Study of different IoT application developments platforms and tools
152.	Computer science and IT	Open source technology and its applications	6	360	1 Week	1. Understanding the different open source tool. 2. Hands on Application

						developments on open source.
153.	Archaeolog y	Archaeology: Methods and Practices	6	360	1 Week	1. Training for young researches and young faculty members in field of archeology 2. Introduction of new methods
154.		New Trends in Archeological Researches	6	360	1 Week	Introducing new methods and researches of Archeology
155.		Social Sciences and Archaeology	6	360	1 Week	Developing connections of archeology with other disciplines
156.		History and Archaeology	6	360	1 Week	Developing integrating understanding between archeology and history
157.		Archeology and Sciences	6	360	1 Week	Developing connections of archeology with other disciplines
158.		Excavations Practices	6	360	1 Week	Training scholars in specific skills of archaeological excavations
159.		Archaeology and Museums	6	360	1 Week	Developing integrating understanding between archeology, history and Museum studies
160.	Economics	Economics: Methods and Practices	6	360	1 Week	1. Training for young researches and young faculty members in field of Economics 2. Introduction of new methods

161.		New Trends in Economical Researches	6	360	1 Week	Introducing new methods and researches of Economics
162.		Social Sciences and Economics	6	360	1 Week	Developing connections of economics with other disciplines
163.		Econometrics	6	360	1 Week	Developing integrating understanding between economics and history
164.		Rural Development and Economics	6	360	1 Week	Developing connections of economics with other disciplines
165.		Statistical Applications in Economics	6	360	1 Week	Training scholars in specific skills of economics trends
166.		Applied Economics	6	360	1 Week	Developing integrating understanding between economics, management and market based practices
167.		Geography: Methods and Practices	6	360	1 Week	1. Training for young researches and young faculty members in field of geography 2. Introduction of new methods
168.		New Trends in Geography Researches	6	360	1 Week	Introducing new methods and researches of Archeology
169.	Geography	Social Sciences and Geography	6	360	1 Week	Developing connections of geography with other disciplines
170.		Climate Change and Geography	6	360	1 Week	Developing integrating understanding global warming, climate change and geography
171.		Geography and Sciences	6	360	1 Week	Developing connections of geography with other disciplines

172.		Meteorological Practices in Geography	6	360	1 Week	Training scholars in specific skills of meteorology
173.		Human Geography and Applied Geography Practices	6	360	1 Week	Developing integrating understanding between geography and applied geography
174.		History: Methods and Practices	6	360	1 Week	1. Training for young researches and young faculty members in field of History 2. Introduction of new methods
175.		New Trends in History Researches	6	360	1 Week	Introducing new methods and researches of History
176.		Social Sciences and History	6	360	1 Week	Developing connections of History with other disciplines
177.	History And Ancient Indian Culture	Historical Cartography	6	360	1 Week	Developing integrating understanding between Geography, Map making exercises and history
178.		History and Sciences	6	360	1 Week	Developing connections of History with other disciplines
179.		History Archeology and Excavations Practices	6	360	1 Week	Training scholars in specific skills of archaeological excavations and Historical analysis
180.		History, Historiography and Society	6	360	1 Week	Developing and integrating understanding between History, Historiography and human societies
181.	Political Science	Political Science (PS): Methods and Practices	6	360	1 Week	1. Training for young researches and young faculty members in field of PS

						2. Introduction of new methods
182.		New Trends in PS Researches	6	360	1 Week	Introducing new methods and researches of PS
183.		Social Sciences and PS	6	360	1 Week	Developing connections of PS with other disciplines
184.		PS and International Politics	6	360	1 Week	Developing integrating understanding between PS and International Political Systems
185.		Political Science and Sciences	6	360	1 Week	Developing connections of PS with other disciplines
186.		Policy Making, Panchayat Raj and PS	6	360	1 Week	Training scholars in specific skills of PS and Panchayati Raj
187.		Rural Society and PS	6	360	1 Week	Developing integrating understanding between PS and area desirability
188.	Public Administration	Public Administration (PA): Methods and Practices	6	360	1 Week	1. Training for young researches and young faculty members in field of PA 2. Introduction of new methods
189.		New Trends in PA	6	360	1 Week	Introducing new methods and researches of PA
190.		Social Sciences and PA	6	360	1 Week	Developing connections of archeology with other disciplines
191.		PA and History	6	360	1 Week	Developing integrating understanding between PA and history
192.		PA and Sciences	6	360	1 Week	Developing connections of PA with other disciplines
193.		PA and Local Self Govt.	6	360	1 Week	Training scholars in specific skills of PA and their region based influence Visit to

						Panchayat, Taluka office and *Zilla* Parishad offices
194.		PA and Policy Planning	6	360	1 Week	Developing integrating understanding between PA and area based administrative units and policy planning
195.	Sociology	Sociology: Methods and Practices	6	360	1 Week	1. Training for young researches and young faculty members in field of Sociology 2. Introduction of new methods
196.		New Trends in Sociological Researches	6	360	1 Week	Introducing new methods and researches of Sociology
197.		Social Sciences and Sociology	6	360	1 Week	Developing connections of Sociology with other disciplines
198.		Sociology and Anthropology	6	360	1 Week	Developing integrating understanding between Sociology and Anthropology
199.		Sociology and Sciences	6	360	1 Week	Developing connections of Sociology with other disciplines
200.		Sociological Field Practices	6	360	1 Week	Training scholars in specific skills of Sociological field works
201.		Sociology and Statistics	6	360	1 Week	Developing integrating understanding between Sociology, Anthropology, History etc.
202.	Chinese	Language: Grammar and Structure	6	360	1 Week	Basic course and understanding to deliberate
203.		Language History	6	360	1 Week	To understanding trajectory of Language

204.		Literary Research Trends	6	360	1 Week	To enable new literary research trends
205.		Language and Society	6	360	1 Week	Language and its implications in society
206.		Language and its status in changing International Scenario	6	360	1 Week	To enhance language and its utility in globalisation
207.		Language: Grammar and Structure	6	360	1 Week	Basic course and understanding to deliberate
208.		Language History	6	360	1 Week	To understanding trajectory of Language
209.	English	Literary Research Trends	6	360	1 Week	To enable new literary research trends
210.		Language and Society	6	360	1 Week	Language and its implications in society
211.		Language and its status in changing International Scenario	6	360	1 Week	To enhance language and its utility in globalisation
212.		Language: Grammar and Structure	6	360	1 Week	Basic course and understanding to deliberate
213.		Language History	6	360	1 Week	To understanding trajectory of Language
214.		Literary Research Trends	6	360	1 Week	To enable new literary research trends
215.	FRENCH	Language and Society	6	360	1 Week	Language and its implications in society
216.		Language and its status in changing International Scenario	6	360	1 Week	To enhance language and its utility in globalisation
217.	German	Language: Grammar and Structure	6	360	1 Week	Basic course and understanding to deliberate
218.		Language History	6	360	1 Week	To understanding trajectory of Language

219.		Literary Research Trends	6	360	1 Week	To enable new literary research trends
220.		Language and Society	6	360	1 Week	Language and its implications in society
221.		Language and its status in changing International Scenario	6	360	1 Week	To enhance language and its utility in globalisation
222.		Language: Grammar and Structure	6	360	1 Week	Basic course and understanding to deliberate
223.		Language History	6	360	1 Week	To understanding trajectory of Language
224.	Hindi	Literary Research Trends	6	360	1 Week	To enable new literary research trends
225.		Language and Society	6	360	1 Week	Language and its implications in society
226.		Language and its status in changing International Scenario	6	360	1 Week	To enhance language and its utility in globalisation
227.		Language: Grammar and Structure	6	360	1 Week	Basic course and understanding to deliberate
228.		Language History	6	360	1 Week	To understanding trajectory of Language
229.	Marathi	Literary Research Trends	6	360	1 Week	To enable new literary research trends
230.		Language and Society	6	360	1 Week	Language and its implications in society
231.		Language and its status in changing International Scenario	6	360	1 Week	To enhance language and its utility in globalisation
232.	Pali	Language: Grammar and Structure	6	360	1 Week	Basic course and understanding to deliberate
233.		Language History	6	360	1 Week	To understanding trajectory of Language

234.		Literary Research Trends	6	360	1 Week	To enable new literary research trends
235.		Language and Society	6	360	1 Week	Language and its implications in society
236.		Language and its status in changing International Scenario	6	360	1 Week	To enhance language and its utility in globalisation
237.		Language: Grammar and Structure	6	360	1 Week	Basic course and understanding to deliberate
238.		Language History	6	360	1 Week	To understanding trajectory of Language
239.	Russian	Literary Research Trends	6	360	1 Week	To enable new literary research trends
240.		Language and Society	6	360	1 Week	Language and its implications in society
241.		Language and its status in changing International Scenario	6	360	1 Week	To enhance language and its utility in globalisation
242.		Language: Grammar and Structure	6	360	1 Week	Basic course and understanding to deliberate
243.		Language History	6	360	1 Week	To understanding trajectory of Language
244.	Sanskrit	Literary Research Trends	6	360	1 Week	To enable new literary research trends
245.		Language and Society	6	360	1 Week	Language and its implications in society
246.		Language and its status in changing International Scenario	6	360	1 Week	To enhance language and its utility in globalisation
247.	Urdu	Language: Grammar and Structure	6	360	1 Week	Basic course and understanding to deliberate
248.		Language History	6	360	1 Week	To understanding trajectory of Language

249.		Literary Research Trends	6	360	1 Week	To enable new literary research trends
250.		Language and Society	6	360	1 Week	Language and its implications in society
251.		Language and its status in changing International Scenario	6	360	1 Week	To enhance language and its utility in globalisation
252.		Language: Grammar and Structure	6	360	1 Week	Basic course and understanding to deliberate
253.		Language History	6	360	1 Week	To understanding trajectory of Language
254.		Literary Research Trends	6	360	1 Week	To enable new literary research trends
255.	Modi and Classical Marathi (Under Department of History and Ancient Indian Culture)	Language and Society	6	360	1 Week	Language and its implications in society
256.		Language and its status in changing International Scenario	6	360	1 Week	To enhance language and its utility in globalisation
257.	Persian, Classical Persian And History Writing (Under Department of History and Ancient Indian Culture and Department of Urdu)	Language: Grammar and Structure	6	360	1 Week	Basic course and understanding to deliberate
258.		Language History	6	360	1 Week	To understanding trajectory of Language
259.		Literary Research Trends	6	360	1 Week	To enable new literary research trends
260.		Language and Society	6	360	1 Week	Language and its implications in society
261.		Language and its status in changing International Scenario	6	360	1 Week	To enhance language and its utility in globalisation

Annexure II

Details of the Programme to be organized under Faculty Development Programme for Administrative staff in three years of Duration)

Sr. No.	Stakeholder/Group	Title of training Program	No. of Programs	No. of Participants	Duration	Measurable Outcomes of the Training programme
1	**Administrative Staff**	Soft Skill programme for Officers	15	750	1 Week	Enhancement in Skills
2		Intensive Training programme in Spoken English	15	750	1 Week	Better Communication Skills
3		Computer Training Programme	15	750	1 Week	Better Skills Computer Operations
4		Training Programme in e-governance	15	750	1 Week	Enhancement in Skills in implementation of e-resources
5		Training Programme in Administrative Skills	15	750	1 Week	Enhancement in Administrative Skills
6		Intensive Training Programme in Accounting	15	750	1 Week	Enhancement in Accounting Skills
7		Training Programme on Personnel Relations	15	750	1 Week	Enhancement in approach dealing with stakeholders
8		Training Programme on RTI	15	750	1 Week	Enhancement in capabilities for handling RTI cases
9		Training Programme on Stress Management	15	750	1 Week	Enhancement in stress management
10		Training Programme on HR Management	15	750	1 Week	Enhanced outcome of all official business

Total Number of Programmes: 1716
Total Number of Participants to be trained: 1, 01,460
Expenditure per participants per programme (1 Week) : Rs. 1,774/-
 Expenditure per participants per day (1 Week) : Rs. 295/-
Expenditure per programme (1 week) : Rs. 1,04,895/-

Annexure III

(Details of the Programme to be organized under Equity Initiative in three years of Duration)

Year: 2017-2018

Sr. No.	Stakeholder/Group	Title of training Program	No. of Programs	No. of Participants	Measurable Outcomes of the Training programme
1.	Students	1.Skill development programme for Under Graduate Students	3	80	Skill enhancement
		2. Personality Development for Post Graduate Professional courses students.	4	60	Personality development Confidence building
		3.Competitive exam training for NET/SET, State Public Service Commission and Union Public Service Commission, Banks, Railways, Staff Selection Commission exams for Under Graduate and Post Graduate Students	5	80	Preparation of the students for competitive exams
		4.Reserach methodology training programme for M.Phil., Ph.D. and Project Fellows,	6	80	Improve the Research skills of the research scholars
		5. Industrial training for the students in their respective field	6	80	Inculcation of industry required skills.
2.	Teachers	1.Capacity building in their respective subjects	5	60	Enhancement of teaching skills
		2.Advanced Research Methodology training programme	5		Develop research interest
3.	Parents	1.Sensitisation of academic programme in University	3	30	Awareness about courses in University
		2.Parent Empowerment Programme for skill development	3	30	Empowerment of parents
4.	Non-teaching	1.Capacity building programme	4	150	Enhancement of skills
		2.Work Culture Training Programme	5	150	Improvement in work culture

5.	School teachers	1.Sensitisation of academic programme in University	4	100	Awareness about courses in University
		2.Capacity building programme	4	100	Enhancement of teaching skills
6.	NGOs	1.Information and new trends up-gradation in various fields	4	30	Knowledge enhancement
7.	Industry Stakeholders	1.Two way orientation programme	5	30	Industry-academia interaction Acknowledging the need of both the industry and academics
8.	Government Officials	1.Work culture training programme	4	40	Improvement in work culture
		2.Corporate social responsibility training	3	60	To enhance efficiency
		3.Training programs of new trends	4	60	Knowledge updating
		4.Effective implementation of various government schemes	4	40	To enhance efficiency
9.	Economically and socially backward students	1.Motivational lectures	5	60	To increase the self-confidence
		2.Soft.Skill development programme	6	50	Enhancement of skills
		3.Personality Development	5	60	Personality development
		4.Communication	4	60	Enhancement of skills
10.	Woman	1.Skill development programme	5	100	Enhancement of skills
		2.Personality Development	6	100	Personality development
		3.Awareness programmes of legal rights.	4	100	Woman Empowerment
		4.Awareness programmes of constitutional rights	4	100	Women Empowernment
11.	Differently-abled students	1.Skill development (Soft skills)	5	30	Skill development
		2.Motivational lectures	6	30	To increase the self-confidence
		3.Awareness programmes of legal rights	3	30	Empowernment

Year : 2018-2019

Sr. No.	Stakeholder/Group	Title of training Program	No. of Programs	No. of Participants	Measurable Outcomes of the Training programme
1.	Students	1.Entreprenuership development programme for Post Graduate Students	5	50	Entrepreneurship development
		2. Personality Development for Under Graduate students.	4	60	Personality development Confidence building
		3.Competitive exam training for NET/SET, State Public Service Commission and Union Public Service Commission, Banks, Railways, Staff Selection Commission exams for Under Graduate and Post Graduate Students	5	80	Preparation of the students for competitive exams
		4.Research skill training programme for Post Graduate students	6	80	Improve the Research skills
		5. Industrial training for the students in their respective field	5	60	Inculcation of industry required skills.
2.	Teachers	1.Capacity building in their respective subjects	10	60	Enhancement of teaching skills
		2.Advanced Research Methodology training programme	5	100	Develop research interest
3.	Parents	1.Sensitisation of academic programme in University	3	30	Awareness about courses in University
		2.Parent Empowerment Programme for skill development	4	30	Empowerment of parents
4.	Non-teaching	1.Capacity building programme	5	150	Enhancement of skills
		2.Work Culture Tanning Programme	5	150	Improvement in work culture
5.	School teachers	1.Sensitisation of academic programme in University	4	100	Awareness about courses in University
		2.Capacity building programme	4	100	Enhancement of teaching skills
6.	NGOs	1.Information and new trends up-gradation in various fields	4	30	Knowledge enhancement

Sr. No.	Stakeholder/Group	Title of training Program	No. of Programs	No. of Participants	Measurable Outcomes
7.	**Industry Stakeholders**	1.Two way orientation programme	5	30	Industry-academia interaction will enhance
8.	**Government Officials**	1.Work culture training programme	4	40	Improvement in work culture
		2.Implementation of various rules	4	30	To enhance efficiency
		3.Training programs in new trends	4	30	Knowledge updating
		4.Effective implementation of various government schemes	4	40	To enhance efficiency
9.	**Economically and socially backward students**	1.Motivational lectures	5	100	To increase the self-confidence
		2.Skill development programme	6	50	Enhancement of skills
		3.Personality Development	5	60	Personality development
		4.Communication	4	60	Enhancement of skills
10.	**Woman**	1.Entrepreneurship and Business	5	100	Enhancement of skills
		2.Personality Development	6	100	Personality development
		3.Woman empowerment	4	100	Woman empowerment
11.	**Differently-abled students**	1.Skill development (Soft skills)	5	30	Skill development
		2.Motivational lectures	6	30	To increase the self-confidence

Year : 2019-2020

Sr. No.	Stakeholder/Group	Title of training Program	No. of Programs	No. of Participants	Measurable Outcomes of the Training programme
1.	**Students**	1.Digital literacy program for under graduate students	5	50	Entrepreneurship development
		2. Personality Development for Under Graduate students.	6	60	Personality development Confidence building
		3.Competitive exam tanning for NET/SET, State Public Service Commission and Union Public Service Commission, Banks, Railways, Staff Selection	5	80	Preparation for competitive exams

		Commission exams for Under Graduate and Post Graduate Students			
		4.Reserach skill training programme for Post Graduate students	6	80	Improve the Research skills
		5. Industrial training for the students in their respective field	5	60	Inculcation of industry required skills.
2.	Teachers	1.Faculty empowerment program for under graduate teachers	6	60	Enhancement of teaching skills
		2. Research skill training programme for University teachers	6	40	
3.	Parents	1.Sensitisation of academic programmes in University	3	50	Awareness about courses in University
		2.Parent Empowerment Programme for skill development	4	30	Empowerment of parents
4.	Non-teaching	1.Capacity building programme	4	100	Enhancement of skills
		2.Work Culture Training Programme	5	100	Improvement in work culture
5.	School teachers	1.Sensitisation of academic programme in University	4	100	Awareness about courses in University
		2.Capacity building programme	3	100	Enhancement of teaching skills
6.	NGOs	1.Information and new trends up-gradation in various fields	4	30	Knowledge enhancement
7.	Industry Stakeholders	1.Two way orientation programme	5	30	Industry-academia interaction will enhance
8.	Government Officials	1.Work culture training programme	4	40	Improvement in work culture
		3.Training programs in new trends	4	30	Knowledge updating
		4.Effective implementation of various government schemes	4	40	To enhance efficiency
9.	Economically and socially backward students	1.Digital literacy	7	100	To enhance digital literacy
		2.Skill development programme	8	50	Enhancement of skills

		3.Personality Development	7	60	Personality development
10.	**Woman**	1.Vocational Training for Women	7	100	Enhancement of skills
		2.Confidence Building	7	100	Personality development
		3.Career and Guidance Counselling	10	100	Woman empowerment
11.	**Differently -abled students**	1.Entrepreneurship and Business training	5	30	Entrepreneurship development
		2.Motivational lectures	6	30	To increase the self-confidence

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