

SNDT Women's University, Mumbai



Perspective Plan 2019-2024

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Five Years Perspective Plan (2019-2024)

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SNDT Women's University, Mumbai

Perspective Plan (2019-2024)

Executive Summary

SNDT Women's University (SNDT WU) has been striving for the cause for women's empowerment with focus on Excellence, Expansion, and Inclusion since 1916. The onward journey and the progress of the University is an expression to the hopes and aspirations of the generations succeeding. The unique strength of the university lies in providing opportunities to explore and adopt new initiatives that are directed towards women empowerment.

The institutions identified are Collegiate Institutions - Affiliated / Conducted/ Constituent, University Centres, Satellite Centres, Academies, Social Polytechnics/ Institutions of Finesse meant to educate and empower women. Social Polytechnics / Institutions of Finesse would be introducing 45 skill-based courses to hone the Professional, Vocational and Avocational skills of women thus making them independent members of society. Over a period of five years (2019-2024), the University shall expand its skill-based education from existing 9 courses to 66 courses viz., **Skill oriented - 37; Entrepreneurship - 03; Professional - 20; PG - 05; Performing Arts - 01 through 115** varied types of institutions.

SNDT WU aims to expand from its current strength of 158 affiliated colleges by enabling inclusive and just higher education for women belonging to all strata's of society including the marginalized groups across Maharashtra in an effort to contribute to enhance the GER at the rate of 1% compounding per year of all the districts of Maharashtra including the remote districts like Chandrapur and Gadchiroli besides endeavours of our Centre of Distance education.

Based on the opinion survey of the stake holders, GER studies of different districts, government initiatives, studies on prevailing industries, pattern of manpower and progression of industries/ service sectors, it may be concluded that progress in any area depends on the assimilating and mastering of skills. Therefore, a blended approach-Knowledge & Skill would help in achieving the objectives of educating and empowering women. Thus, the educational institutions proposed in the perspective plan are as follows:

General Colleges: Arts, Science and Commerce; College of Science and Applied Science;

College of Vocational Education – B. Voc; Law College; College of Education; College of Social Work; Social Polytechnic/ Institute of Finesse; College of Pharmacy; College of Nursing; College of Management Studies; Centres and Academy

University through its five new **Empathy Centres and Academy** viz., **Centre for Archival Studies to research and archive the work of eminent women from different spheres at Mumbai, Academy of Civics, Polity and Economy at Palghar; Centre of Experimental Education of Rural Management and Engagement at Nagpur; Centre for Women Health and Wellness at Mumbai & Palghar and the Centre for Disability and Rehabilitation at Mumbai and Nagpur** will build and consolidate the skills the students need henceforth for their careers, continuous learning and citizenship.

The University aims to become a centre of excellence in the area of formulation of women related policy decisions over the next 5 years. The University also aims to develop at least 5 women incubates at its proposed Incubation Centre over the next 5 years.

Standard of education imparted vis-à-vis Quality Assurance and its enhancement is measured by 'Academic and Administrative Audit'(AAA) besides NAAC/NBA/RCI/NCTE etc. assessment and accreditation. Every year 20 institutions would be subjected to AAA and as such more than 100 such institutions will be covered within 5 years with the view to motivate and promote for subsequent NAAC accreditation.

2. Objectives

2.1 Improvement in GER in a given region (Women only)

Sr. No	District	Current GER	Increment Targeted by 2024
1	Ahmednagar	29.54	1.51
2	Akola	17.05*	0.87
3	Amravati	46.60	2.38
4	Aurangabad	33.38	1.7
5	Bhandara	25.90	1.32
6	Beed	16.69*	0.85
7	Buldhana	11.52*	0.59
8	Chandrapur	27.49	1.4
9	Dhule	18.93*	0.97
10	Gadchiroli	15.51*	0.79
11	Gondia	18.52*	0.94
12	Hingoli	6.08*	0.31
13	Jalgaon	24.77	1.26
14	Jalna	14.94*	0.76
15	Kolhapur	49.39	2.52
16	Latur	17.68*	0.9
17	Mumbai	182.49	9.31
18	Mumbai Suburban	16.92*	0.86
19	Nagpur	54.39	2.77
20	Nanded	30.19	1.54
21	Nandurbar	9.34*	0.48
22	Nashik	33.91	1.73
23	Osmanabad	16.62*	0.85
24	Parbhani	12.88*	0.66
25	Pune	61.61	3.14
26	Raigad	22.20	1.13
27	Ratnagiri	16.54*	0.84
28	Sangli	30.18	1.54
29	Satara	30.63	1.56
30	Sindhudurg	22.01	1.12
31	Solapur	18.72*	0.95
32	Thane	18.21*	0.93
33	Wardha	31.94	1.63
34	Washim	9.47*	0.48
35	Yavatmal	14.09*	0.72
	Total	30.71	1.57

Note:

* Current GER less than 22%.

2.2 Improvement in Inclusivity and Equity

GER (Women SC)

Sr. No	District	Current GER	Increment Targeted by 2024
1	Ahmednagar	24.58	1.25
2	Akola	15.55*	0.79
3	Amravati	43.31	2.21
4	Aurangabad	34.94	1.78
5	Bhandara	30.50	1.56
6	Beed	17.62*	0.90
7	Buldhana	10.19*	0.52
8	Chandrapur	37.92	1.93
9	Dhule	23.98	1.22
10	Gadchiroli	25.89	1.32
11	Gondia	20.75	1.06
12	Hingoli	9.21*	0.47
13	Jalgaon	24.08	1.23
14	Jalna	18.32*	0.93
15	Kolhapur	37.02	1.89
16	Latur	14.54*	0.74
17	Mumbai	189.33	9.66
18	Mumbai Suburban	14.15*	0.72
19	Nagpur	57.01	2.91
20	Nanded	28.73	1.47
21	Nandurbar	17.51*	0.89
22	Nashik	89.25	4.55
23	Osmanabad	16.62*	0.85
24	Parbhani	16.99*	0.87
25	Pune	47.00	2.40
26	Raigad	36.65	1.87
27	Ratnagiri	42.29	2.16
28	Sangli	27.64	1.41
29	Satara	27.86	1.42
30	Sindhudurg	30.78	1.57
31	Solapur	14.59*	0.74
32	Thane	24.18	1.23
33	Wardha	38.05	1.94
34	Washim	10.41*	0.53
35	Yavatmal	19.24*	0.98
	Total	30.58	1.56

Note:

* Current GER less than 22%.(SC)

GER (Women ST)

Sr. No	District	Current GER	Increment Targeted by 2024
1	Ahmednagar	14.08*	0.72
2	Akola	8.49*	0.43
3	Amravati	11.67*	0.60
4	Aurangabad	19.54	1.00
5	Bhandara	16.93*	0.86
6	Beed	19.68	1.00
7	Buldhana	4.03*	0.21
8	Chandrapur	18.57*	0.95
9	Dhule	5.89*	0.30
10	Gadchiroli	9.32*	0.48
11	Gondia	9.83*	0.50
12	Hingoli	4.21	0.21
13	Jalgaon	5.43*	0.28
14	Jalna	11.89*	0.61
15	Kolhapur	27.21	1.39
16	Latur	12.04*	0.61
17	Mumbai	347.32	17.72
18	Mumbai Suburban	10.01*	0.51
19	Nagpur	25.02	1.28
20	Nanded	15.96*	0.81
21	Nandurbar	5.19	0.26
22	Nashik	13.14*	0.67
23	Osmanabad	8.51	0.43
24	Parbhani	19.97*	1.02
25	Pune	28.53	1.46
26	Raigad	4.57*	0.23
27	Ratnagiri	17.97*	0.92
28	Sangli	30.62	1.56
29	Satara	20.27	1.03
30	Sindhudurg	46.93	2.39
31	Solapur	5.94*	0.30
32	Thane	5.42*	0.28
33	Wardha	18.85*	0.96
34	Washim	5.28	0.27
35	Yavatmal	7.52*	0.38
	Total	11.06	0.56

Note:

* Current GER less than 22%.(ST)

Equity

<i>Initiatives</i>	<i>Current status</i>	<i>Envisaged by 2024</i>
Number of Equal Opportunity Cells	01	03
How many departments and colleges have facilities for physically challenged students	25	144
Number of schemes for special needs of tribal and disadvantaged groups	00	04
Number of students benefitting from scholarships/schemes for economically and socially challenged students	24	100
Schemes for special needs of transgender	00	01

2.3 Improving Quality and Delivery of Education

Number of colleges with NAAC accreditation

<i>Number of affiliated colleges</i>	<i>Currently NAAC accredited</i>	<i>NAAC accredited colleges proposed by 2024</i>
158	22	153

Number of colleges accredited with NAAC 'A' grade

<i>Number of affiliated colleges</i>	<i>Colleges with A grade currently</i>	<i>Proposed by 2024</i>
158	05	10

Number of technical programmes with NBA accreditation

<i>Number of technical programmes across all affiliated colleges</i>	<i>Current status</i>	<i>Envisaged by 2024</i>
06	00	06

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

<i>Number of technical programmes across all affiliated colleges</i>	<i>Current status</i>	<i>Envisaged by 2024</i>
05	00	05

Academic Audit

	<i>Current status</i>	<i>Envisaged by 2024</i>
University departments	42	42
Affiliated colleges	22	153

Decentralization of University Administration

	<i>Current status</i>	<i>Envisaged by 2024</i>
Satellite Centres/Sub-campuses	03	05
Autonomous Departments	00	05
Autonomous Colleges	01	05

Timely Declaration of Results

Average time period (in days) between end of examinations and declaration of results

<i>Programme</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>Target for 2024</i>
Non-professional	50	48	30	28	25
Professional	50	48	30	28	28

2.4 Developing R&D Partnership with Industry

Number and type of industries engaged with

Type of Industry	Current status	Envisaged by 2024
Manufacturing	78	170
Services	56	80
Agro based	11	30
Others	-	-
Total	145	270

Details of engagement with industry

Type of engagement	Current status	Envisaged by 2024
Industrial Consultancy	13	175
Technology Transfer	5	20
MoUs/Collaborations	50	100
Number of faculty working on industrial projects	28	75
Number of students working on industrial projects	476	1000

Number of patents/IPRs

IPR	Current status	Envisaged by 2024
Patents granted	05	15
Patent published	12	20
Copy right	0	04
Total	17	39

2.5 Engagement with regional economic development and aspirations

Details of engagement of university with local bodies (Zilla Parishad, Gram Panchayat etc) and social programmes in the form of consultancy, third party assessment, M&E of Jalyukta Shivar, RWS schemes, Unnat Bharat Abhiyan, Unnat Maharashtra Abhiyan, other governmental schemes, GPDP preparation etc.

Details	Current status	Envisaged by 2024
Types of engagement	7	40
Number of faculty involved	19	30
Number of students involved	12,568	20,000

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

<i>Details</i>	<i>Current status</i>	<i>Envisaged by 2024</i>
Types of Engagement	8	20
Number of Faculty Involved	20	50
Number of Students Involved	108	1000

2.6 Development of Skills and Entrepreneurship

Presently there are 9 skill based courses and 0 Entrepreneurship in the university. 33 skill based courses and 1 entrepreneurship course is proposed.(Annexure 13)

Number of courses offered in skill development and entrepreneurship

	Current Status	Envisaged by 2024
Skill courses	9	33
Entrepreneurship courses	0	1
Total	9	34

Details of mandatory internship/in-plant training

Programmes	Current Status	Envisaged by 2024
Professional		
Engineering	6 Month	6 Month
Pharmacy	1 Month	1 Month
Management	2 Months	2 Months
Nursing	7 Month	7 Month
Home science	1 Month	1 Month
Special Education	1 Month	1 Month
Library Science	1 Month	1 Month
PG Non-professional	6 weeks	6 weeks
UG		
Home science	1 Month	1 Month
Others	Nil	1 Month

Details centres for technology dissemination and incubation/innovation centres

Details	Current Status	Envisaged by 2024
All University Departments	00	01
All Affiliated colleges	00	00

Placement Cells

Details	Current Status	Envisaged by 2024
Number of placement cells in the university (including affiliated colleges)	18	18
Number of students covered by placement cell	1000	2000
Number of students actually placed	200	300

2.7 Making the University a Cultural Powerhouse in a Region

There are 7 existing courses in Liberal Arts, 2 in Fine Arts, 4 in Performing Arts, 1 in Tourism and Hospitality and 3 other art forms. A total of 34 courses are proposed of which 11 courses are proposed in Liberal Arts, 5 Fine Arts, 8 Performing Arts, 3 Tourism & Hospitality and 7 other Art forms

Details of courses offered in Liberal, Fine and Performing Arts, Tourism and Hospitality

<i>Courses</i>	<i>Current Status</i>	<i>Envisaged by 2024</i>
Liberal Arts	7	11
Fine Art	2	5
Performing Art	4	8
Tourism and Hospitality	1	3
Any other art forms	3	7
Total	17	34

Details of centres set up for preservation/study/ appreciation of Local Culture/ History/ Art Forms

Name of university department/College	Current status	Envisaged by 2024
Juhu sub-Campus	2	5
Kanyashala Center for Fine Arts	1	1
Total	3	6

Details of student clubs/groups set up for Practice/Promotion Of Local, Liberal, Fine and Performing Arts

Details	Current status	Envisaged by 2024
Book Club	1	3
Heritage walk	1	3

2.8 Focus on Students' Welfare

Details	Current status	Envisaged by 2024
Number of career counselling and guidance centres in the university	2	3
Number of students counselled and guided per year	300	1500
Number of courses conducted per year on life skills and value education	12	30
Number of students covered per year by the courses on life skills and value education	1000	3000
Number of centres for training in competitive examinations	1	3
Number of students covered per year by the centres for training in competitive examinations	80	300
Number of 'Earn and Learn' schemes for students	Nil	10
Number of students benefitting from 'Earn and Learn' schemes	Nil	10

2.9 Achieving Excellence in Sports

<i>Details</i>	2015	2016	2017	2018	Target for 2024
Health, fitness and sports facilities (% satisfaction level)	30%	30%	30%	30%	70%
No. of students participating at State level competitions	110	47	45	40	60
No. of students participating at National level competitions	20	25	27	30	60
No. of students participating at Asian level competitions	—	—	—	—	10
No. of students participating at Olympic/International level competitions	—	—	—	—	05

2.10 Academic leadership in national and global contexts

University ranking

Ranking and Agencies	2015	2016	2017	2018	Target for 2024
NIRF	-	-	-	-	SNDT WU has a vision and mission focusing on inclusion of marginalized. (Note prepared on exclusionary philosophy behind rankings not in keeping with University vision and Mission)
Asia University Ranking	-	-			
QS BRICS Ranking	-	-			
QS Ranking (World)					
World University Ranking					

Number of Ph.Ds Per Year

Faculty	2015	2016	2017	2018	Target for 2024
Home Science	03	04	-	03	06
Management Science	15	05	18	05	18
Social Science	13	09	03	14	20
Technology	11	07	04	06	15
Library Science	03	-	01	01	05
Education	08	-	02	06	12
Fine Arts	03	01	04	02	07
Commerce	04	06	07	03	12
Arts	10	08	06	10	15
Law	-	01	-	-	04
Science	-	03	02	02	06
TOTAL	70	44	47	52	213

Key Research Areas for Next Five Years (2019-24)

<i>Faculty</i>	<i>Key Research Areas</i>
Science	Health and Wellness of Women Emotional Wellness, Environmental Wellness, Financial Wellness, Intellectual Wellness , Occupational Wellness, Physical Wellness, Social Wellness
Engineering and Technology	Data Science, Data Analytics, GIS Based System for Natural Resource Mapping and Monitoring, Geospatial data Visualisation, Nanotechnology, Wireless Communication
Sociology, Economics, Political-Science, Psychology	Women Empowerment and Entrepreneurship Archival research on role of women . Folklore and Gender Roles. Rituals and Traditions- Impact of Cultural change
Humanities and Arts	Women and Children as Service Providers. Gender, caste and Illness – Impact of Social, Provider and Self Stigma. Gender Economics and Workplace roles.

3. Rationale and Background data

118 colleges/ institutes/ centres have been proposed over a period of five years (2019 – 2024) across all the 35 districts of Maharashtra [Annexure – 12A and 12B]

They are proposed taking into account the following:

- Analysing the district wise HSC Passed Girls of Maharashtra State Board in March 2018, number of seats available for admission across all streams of SNTD WU and current enrolment of female students admitted in various streams of AY 2017-18 at SNTD WU [Annexure – 1]
- Analysing district wise imbalance in accessibility of education viz., Literacy rates and GER [Annexure – 2]
- Improving GER in the districts of Maharashtra targeted at 1% compounding increase per annum.
- Skill needs of the district identified on the basis of:
 - (i) National Skill Development Corporation Report, 2013
 - (ii) Industrial State Profile of Maharashtra – 2016-17
- Analysing the district wise imbalance in social and economic development [Annexure - 4]
- Identifying the employment opportunities for Women by analysing the skills and R & D opportunities in various industries[Annexure -5, 6, 7, 8, 9]
- Feedback of the stakeholders [Annexure – 11]

The Existing programs of the university will be offered in the first two years and new programmes will be offered in the next three years.

4. Proposed Action Plan

Year 1 (2019-2020)

1. IQAC Coordinator Cluster
2. Preparation for NIRF Ratings
3. Academic & Administrative Audit (Phase 1-Churchgae & Juhu Campus)
4. NAAC accreditation ((1st Cycle – 20)
5. Extension of CBCS system at Undergraduate level – Humanities faculty
6. Academic and Administrative Audit of Departments (Phase 1 - Churchgate)

7. Incubation Centre
8. Training the Trainers (3 batches)
9. Learners-learning Centric Pedagogy
10. Fellowships and Scholarships Institute (1 SC, 1 ST)
11. Training Centre for Competitive Examinations (1 - Pune)
12. Implement 'Learn and Earn Scheme' for students (Churchgate Campus)
13. Establish job placement cell in each campus
14. Implementation of exam reform as per Rajesh Agarwal Committee (60%)
15. Career Guidance Cell -1 each campus
16. Development of SWAYAM MOOCs
17. Innovative Curriculum Development for Social Polytechnic in consultations with MSME and Skill Development Ministry
18. Involve alumni in networking and mentoring students for research and start-ups
19. Establishment of University Centre of Archival studies
20. Green Campus- Solar installations will generate 500Kw of Electricity in Juhu and will offset 50% of requirement
21. Solid Waste Management (Juhu Campus)
22. 40,000 Litres of Rain Water Harvesting
23. Centre for Grace of Language
24. Introduction of technology in conformity with the needs of the programmes

Year 2 (2020-2021)

1. Extension of CBCS system at Undergraduate level – Science & Technology faculty
2. Academic & Administrative Audit (Phase 2 -Pune)
3. NAAC accreditation ((1st Cycle – 20, 2nd Cycle – 5)
4. Training the Trainers (3 batches)
5. Implement 'Learn and Earn Scheme' for students (Juhu Campus)
6. Innovative Curriculum Development for Social Polytechnic in consultations with MSME and Skill Development Ministry
7. Industry Academic Interface :10
8. Autonomous College :1
9. Implementation of exam reform as per Rajesh Agarwal Committee (20%)
10. Green Campus- Solar installations will generate 500Kw of Electricity in Pune and will offset 50% of requirement
11. Solid Waste Management (Churchgate Campus)
12. Establishment of University Centre of Health & Wellness
13. Establishment of University Centre of disability studies
14. Establishment of University Academy of Civic, Polity & Economy
15. Preparation for NIRF ratings

Year 3 (2021-2022)

1. Academic & Administrative Audit (Phase 2 -Pune)
2. NAAC Accreditation ((1st Cycle – 20, 2nd Cycle – 5)
3. Academic Audit & NAAC Accreditation (1st Cycle – 20)
4. Implementation of exam reform as per Rajesh Agarwal Committee (20%)
5. Training the Trainers (3 batches)
6. Extension of CBCS system at Undergraduate level –Faculty Commerce and Management & Faculty of Interdisciplinary Studies
7. Implement 'learn and earn scheme' for students (Pune campus)
8. Patenting the research work : 2 per year
9. Commencement of Social Polytechnic

10. Solid Waste Management (Pune Campus)
11. Cluster College : 1
12. Satellite Centre : 1
13. University community symbiosis: cashless transaction, Swaccha Bharat Abhiyan, Self-help group
14. Preparation of QS Rating

Year 4 (2022-2023)

1. Establishment of Centre to Archive Indigenous Culture and Women of eminence from different walks of life
2. Training the Trainers (3 batches)
3. NAAC Accreditation ((1st Cycle – 20, 2nd Cycle – 5)
4. Satellite Centre : 1
5. Preparation of QS Rating

Year 5 (2023-2024)

1. Training the Trainers (3 batches)
2. NAAC accreditation ((1st Cycle – 20, 2nd Cycle – 5)
3. Satellite Centre : 1
4. QS rating
5. Curriculum reforms – Innovative courses & programmes

5. Strategies and Modes of Implementation

5.1 New Locations

New locations proposed for 2019-2024 are given in annexure 12. Broadly, since SNTD WU has presence over the entire state of Maharashtra and has covered five regions, viz. Vidarbha, Marathwada, Konkan, Khandesh and Pune. Importance will be given to Vidarbha region, i.e., districts of Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, and Yavatmal. This region has highly developed areas such as Nagpur, Akola and Amravati, and much less developed areas such as Gadchiroli and Gondia. However, the latter too have their own strengths where there are niche areas of person-power needs. The developed areas in contrast present a challenge for SNTD WU since it presents more competition from other education institutions and the courses offered therein. Our strategy in that context would be to highlight the niche, non-traditional courses offered by SNTD WU.

Equity

Equal Opportunity cells: Currently only 1 cell exists in the university. By 2024, 2 additional cells will be established at Pune and Juhu sub-centres.

Facilities for physically challenged students: Presently only 25 colleges are fully equipped with facilities for physically challenged persons and 10 university departments have partial facilities. By 2024, all 144 colleges and 34 university departments will have full facilities.

Schemes for tribal and disadvantaged groups: Currently the university has no scheme for tribal students. However, the university plans to establish 04 schemes, namely, (1) Mentor

scheme, (2) Post-SSC scholarship programme, (3) competitive examination guidance, (4) PhD and post-doctoral fellowship.

Schemes for economically and socially challenged students: There exist 02 schemes at present, namely, (1) Bhaubeej Nidhi and (2) Suhasini Mule scholarship. By 2024, the university will implement 10 more schemes to cover 100 students.

Schemes for transgender students: Presently, the university has no scheme for transgender students. By 2024, the university will implement 01 scheme to provide scholarship for such admitted students.

5.2 New Courses

The university has proposed total 56 new courses which include 33 skill courses, 1 entrepreneurship course, 18 professional courses, 3 post graduate courses and 1 course on fine art. List of newly proposed courses is provided in Annexure 13.

It is expected that these new courses will help expansion and diversification of University departments and Centres and to empower women to face the challenges of global knowledge economy. Curriculum and teaching-learning modules will be developed in each discipline so that the quality of the teaching learning experience will be multi and trans disciplinary. In order to boost enrolment, the target group would be contacted through social marketing and by organizing counselling session through local bodies such as Gram Panchyat, Municipal Corporation etc.

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

Considering the importance of skill courses, the university proposes to include at least one skill based courses in all traditional programmes using CBCS mechanism.

5.4 Implementation of Choice Based Credit System

The university has implemented CBCS in PG programmes since 2012. It is planned to introduce CBCS in UG programmes of all four faculties in the academic year 2019-2020.

5.5 Train the Trainers

Initiative directed towards capacity building of faculty, teachers and research scholars of the university and affiliated colleges through 11 training and practicing program focussing on research and teaching activities. The faculty training programs would be in 1. Entrepreneurship, 2. IPR & Patent, 3. Skill enhancement, 4. Research Methodology and Statistical Analysis, 5. Proposal Writing, Ethics, Plagiarism, Research documentation and Publication, 6. Application Software Training Programs, 7. Analytical Instruments, 8. Early Identification for Disabilities And Development Of Inclusive Classroom Interventions For Pre And Primary School Children In Maharashtra, 9. Advances in Pharmaceutical Sciences and 10. Cyber Security. Of the 11 programmes a first batch of 25 teachers have undergone training in 'ICT Integration in Learning Practices'

5.6 Developing Appropriate R&D Culture

The university identifies its role as a promoter of women issues and their aspirations through meaningful education. R&D culture to be developed to this end is required to meet the objectives above. The university over the years has developed R&D culture that caters to issues such as women empowerment, skills based learning, inclusion of the marginalized, quality education in rural and semi-rural areas, gender and disability, human resources management and sustainable development, and social entrepreneurship. During the perspective plan period, this culture will be consolidated. The university has a healthy interaction with a large number of industries. Collaboration with industry will be further consolidated, which will provide good problem sets for research and prepare the future workforce (particularly women) with relevant skills for various job opportunities. At the same time, the university appreciates the need to adapt to the changes and extend the scope of R&D to interdisciplinary areas (e.g. bio-informatics; education technology).

5.7 Strengthening R&D Partnership with Industry

The university has developed strong interaction with industries as described below:

Usha Mittal Institute of Technology is currently engaged with 4 industries for electronics, measurements, software development, cyber social security and telecom services. By 2024 the institute is expected to develop R&D partnership with additional 8 industries in the field of Defence, Security, Software Development, Education, Cloud Computing and SDN.

Prem Lila Vithaldas Polytechnic is involved in a large number of R&D projects with industries such as food (06), Travel & Tourism (06), Jewellery (08), Apparels (06), Interior (07), Pharma (03), Optometric (05), Electronics (07), Image Consultancy (01), Healthcare (15). By 2024 the polytechnic will enhance its engagement, i.e. Food (15), Travel & Tourism (15), Jewellery (15), Apparels (15), Interior (15), Pharma (15), Optometric (15), Electronics (15), Image Consultancy (15), Healthcare (15).

C.U. Shah College of Pharmacy has 09 R&D projects with industries, which include 07 with pharmaceutical industries (Cipla, Alken, Panacea Biotec, Micro Labs, IPCA, Ajanta Pharma, Bharat serum) and 02 herbal industries (Amsar Goa, Abhinav Health Care). By 2024, the college will further strengthen its industrial R&D by partnering with 25 industries including 15 Pharmaceutical industries (example, Haffkin Laboratories, MacLoides, Pitambari, Wokhardt, Themis, Perrigo, Teva), 02 cosmetic industries and 08 herbal industries (Charak, Target, Samii Labs).

Department of Textile Science and Apparel Design is associated with 4 industrial projects (khadi, socks, knitting and laces industries) and by 2014 these engagements will increased to 20.

Department of Resource Management is associated with various industries for ergonomics and interior design courses (16), which will be raised to 25 engagements by 2024.

Dept. of Children Media Communication has 05 engagements with media industry (Optymistx Production House, Rohan's Eye Production, production houses, NGOs, Public relations, Manisha Films), which will be raised to 07 by 2024.

Dept of Education Technology is engaged with 15 industries (corporate, e-learning, service industry) which will be raised to 25 by 2024.

The university will encourage and support affiliated colleges to increase the partnership with industry, thereby increasing the number of industrial projects.

5.8 Engagement with Regional Economic Development and Aspirations

The university and the affiliated colleges are currently involved in social schemes such as (1) Swatch Bharat Abhiyan, (2) Plastic free mission of Maharashtra, (3) Awareness on right to vote, (4) Awareness of cashless banking, (5) Sensitization on segregation of waste, (6) Awareness of disabilities, and (7) Awareness on energy conservation. By 2024, the university and affiliated colleges propose to work on 40 socially relevant schemes like health and hygiene, nutrition, health and wellness of women across different age groups etc. with involvement of over 30 faculty members and 20,000 students.

In terms of economic engagement with society, the university has successfully worked with SHGs to increase their productivity and income. These schemes are: (1) training Gilbert Hill SHG (300 women) for tailoring, (2) SHG (250 women) at Gholwad trained for Well-Spun industry, (3) Training on packaging to SHG for electronic industry, (4) Training of food packaging to SHG at Sahakari Bhandar, (5) SHG working in the construction industry, (6) Training of Jam/Jelly for SHG working with Wits India, (7) SHG working in cashew industry and (8) Recycling of waste paper and cloths for rugs. Number of faculty members working on these projects are 20 with 108 students. By 2024, the university will engage with 20 such activities with 50 staff and 1000 students.

5.9 Development of skills and Entrepreneurship

The University has proposed 37 new skill courses, 03 entrepreneurship courses, 20 Professional courses, 05 Post Graduate courses and 01 Performing Arts course for 2019-2024 as shown in Annexure 13. The newly proposed courses are based on the current demand and suited for developing entrepreneurship among women of all strata. It may be noted here that the university is currently conducting 09 skill courses. (Annexure 14.) The total number of skill and entrepreneurship courses in the university will be 40 by 2024.

As regards the in-plant training, professional courses have mandatory internship/in-plant training ranging from 1 to 7 months. The non-professional PG courses have 6 weeks of mandatory internship, UG (Home Science) has 1 month of mandatory internship and other UG courses have no internship. By 2024, mandatory internship of 1 month will be introduced in all UG courses.

The university has no incubation/start-up centre as of now. However, the university has sent a proposal for establishing an incubation centre to MSInS under Skill Ministry of Government of Maharashtra.

The university has informal placement cells numbering 18. During the perspective plan period, these centres will be fully formalized.

5.10 Making University a Cultural Powerhouse

The university currently conducts 17 courses in art/fine art/performing art/travel & tourism. The list is given in Annexure 15. For 2019-2024, 37 more courses have been proposed (see Annexure 13 and 15).

The university has 3 centers for preservation/study of art: (1) Wadia Archiving Women Center and (2) Research Center for Women Studies, both at Juhu campus, and (3) Kanyashala Center for Fine Arts (Gaodevi, Mumbai). During 2019-2024, the university proposes to add the following centres: (1) Centre for indigenous Art and Craft (Palghar), (2) Centre for indigenous Art and Craft (Chandrapur), (3) Archival centre for Women of eminence (Juhu campus)

5.11 Students' Welfare

Currently the university has 02 career counselling centres at Churchgate and Pune campuses. By 2024 the university will add one more centre at Juhu campus.

5.12 Sports

Students have got awards in Boxing, Rope Malkhamb at National level. Have received awards in High Jump and Kabaddi at state level.

5.13 Development of key research areas

SNDT WU proposes the following key research thrust areas:

- Food apparel and impact of an evolving global culture
- Organizational Culture and Organizational Health as an outcome of women managers above the glass ceiling
- Impact of mass media on family dynamics and life trajectories
- Time and Motion Studies in Industry
- Social media and the virtual world
- Education, Special Education and Educational technology: Evolutionary perspectives in Teaching Learning
- Women and Children as Service Users and Service Providers
- Gender, Caste and Illness: Impact of Social, Provider and Self Stigma.
- Gender Economics and Workplace roles
- Marginalized Group Rights and Politics of sexuality
- Children and Women as Beneficiaries and Victims of Legal change
- Work trajectories of Home makers in the 21st Century
- Safety concerns in a media driven world
- History and Geography of Shifting Cultural identities
- Decline of relationships and new emerging self-identities
- eLearning
- Learner analytics
- Software Defined networks
- SAR Images Analysis
- GIS Based System for natural Resources Mapping and Monitoring
- Geospatial Data Visualization
- Water Management and Conservation
- Wireless Communication
- VLSI Designing,

- Wireless communication-
- Technology for the persons with disabilities
- Development and evaluation of Novel Drug Delivery systems (NDDS)
- In vitro cell culture assays for toxicity and efficacy testing
- Plant tissue culture technique
- Quality education in rural and semi-rural areas
- Women empowerment
- Inclusion of the marginalized

5.14 Strengthening linkages with National/International Universities/ Institutes

SNDT WU has national and international linkages for Research, Teacher exchange, Student exchange, Internships and Joint publication.

5.14.1: International Universities/Institutes

SNDT WU has international collaborations with 1. University of Stirling 2. Community college of Philadelphia 3. University of Quebec 4. University of British Columbia. 5. Open University Malaysia 6. University of Regina 7. Queensland University of Technology, Australia 8. Edith Cowan University 9. University of Teknoligu Mara 10. Hebei Institute of Communication, China. 11. Jilin HuaQia0-University of Foreign languages 12. Common Wealth of Learning.

5.14.2: National Universities/Institutes

Collaborations with National Universities/ Institutes and Industries are 1. Tata Consultancy Services Ltd, 2. Dr Babasaheb Ambedkar Research & Training Institute, Pune 3. Kalvalyadhama Yoga Institute 4. The Hindustani Prachar Sabha, Mumbai 5. Shree Jhaverchand Meghani Loksahitya Kendra, Rajkot. 5. NASSCOM 6. Committed Communities Development Trust. 7. Dyota Solutions Private limited. 8. Amsar Goa Pvt Ltd. and 8. Jai Nagoba Food Industry.

5.14.3: RUSA

SNDT WU has received grants of Rs. 20 Crores from RUSA for Research activities, Development of Research Centres and infrastructure, , Upgradation and renovation of laboratories.

5.14.4: TEQIP

College of Pharmacy, College of Engineering, Polytechnic are doing researches in Drug interactions, innovative formulations based on indigenous plants and products. University proposes to start Incubation and Innovation Centres on each campus.

5.14.5: RGSTC

NA

5.14.6: UGC/AICTE

All aided courses are UGC, AICTE, RCI and NCTE recognized courses. Approvals for the proposed courses would be sought from the statutory bodies.

5.14.7 DST/DBT/.....

Departments like Food Science and Nutrition, Family Resource Management have received DST/ DRS projects. Department of Gujrati has SAP funded project. Madam Curie funded project was granted to Analytical Chemistry, Food Science and Nutrition, Family Resource Management, Textile Science and Apparel Design department.

5.15 Reforms in Academic Administrations

5.15.1: e-governance:

In order to maintain administration faciliatory, convenient , efficient and transparent to all stake holders the manual of academic transactions gradually transformed on to e-mode. The work related to accounting, Attendance of Staff, Tendering, Maintaining service books and academic transactions like admissions , examinations and library are put on e-mode and about 70% of their undertakings are nearing to their completion. The library has extended the NDL facility to students across all faculties and campuses.

5.15.2 Linkages of various departments, BOS, Academic Council and affiliated colleges

University shares Human Resources and technology with its affiliated colleges. All linkages are within the preview of the University Acts of Maharashtra

5.15.3: Digital initiative:

Use of Swayam and National Digital Library, Creating and sharing digital resources By the end of five years these facilities will get developed in the form of one of its kind National Resource Centre (NRC) at SNDTWU.

5.15.4: Uploading awards in National Academic Depository (CDSL, NSDL)

University has initiated the activity.

5.15.5: Academic audit

University constituted Academic Audit Committees of experts including Vice-Chancellors nominee from outside the University. At least 30 collegiate and University department per year will be covered over a period of five year.

5.15.6: Satellite Centres and Autonomy to departments and colleges

University proposes to have satellite centres in various remote places across Maharashtra for e.g. Palghar, Pune, Chadrapur, Nandurbar, Aurangabad. Strong Departments such as Economics, Psychology, etc can become autonomous.

5.15.7: Keeping track of students going for higher studies

University will initiate a programme to keep track of students going for higher studies.

5.15.8: Keeping track of Alumni and strengthening Alumni Association

Every Department has an active alumni association. An Association of Associations under the umbrella of SNDT WU will be formed, and this will strengthen the network with society.

5.15.9: Examination reforms

Examination reforms are implemented from time to time . 63 % of Agarwal Committee recommendation have been implemented. Onscreen evaluation has been pilot tested. Question bank and question paper bank would be implemented in 2019-20 along with bar coding on each page of answer booklet. Data centre facility will be phased out from 2019-22. Financial requirements and modalities of ICT will also be completed by 2022.

5.15.10: Smart Campus: Saving water/energy, generating energy, managing waste

Water Saving :University successfully completed rain water harvesting project in Churchgate campus which connected with 20ft deep ring well. Daily discharge of ring well is 20 to 30 thousand litre water which is used for flushing purpose. The same system is proposed for Juhu and Pune campus.

Energy Saving: LED electrical fixtures and solar water heater are in place in Pune and Juhu campus.

Generating Energy: Under MEDHA Grant University installed solar energy system for Pune Hostel. Grid tied roof top 500 KW solar PV Power plant installation project is going on at Juhu campus and energy produced will be integrated with reliance electricity supply for net metering.

Managing Waste: Waste management system is in a pipeline and University plan to installed STP at Juhu and Pune Campus. Also, survey is in process to manage dry and wet waste management.

5.15.11: Reforms in financial management

Shifting towards promoting Digital Payments, Automation of Centralised Accounting System, Implementation of ERP Finance Dept.

Strategies:

- Typical motivations to collaborate with industry include the improvement of teaching, access to funding, reputation enhancement, and access to empirical data from industry.
- Initiatives to encourage linkages with industry are as follows:
 - ✓ Organizing Enterprise Champions
 - ✓ Increasing Innovation Networks through conferences and seminars
 - ✓ Inviting companies for Campus Companies
 - ✓ Providing Enterprise training
 - ✓ Student placements through Placement cell
 - ✓ Creating an awareness for IPR/licensing
 - ✓ Will create networks of firms, usually as a means of accessing university expertise and advice
- Creation of Business Incubation Centre for budding entrepreneurs.
- Creation of Entrepreneurship Development cell in each campus

5.15.12 Strengthening Linkages with local regions

Through the participation of Affiliated colleges promotion of Institutions like Social Polytechnics and Institute of Finesse to promote Entrepreneurs and Self Help Groups.

6. Deliverables

Objective 1 : Improvement in GER

2019-20	Study needs of rural area
2020-21	Facilitate subsidized educational loans
2021-22	Establish career guidance cell in each institute Develop
2022-23	Train for competitive examination
2023-24	Establish job placement cell
	Education fair, Job fair
	Register Alumni Association

2019-20	Need based courses attached students
2020-21	Economically backward groups can access education
2021-22	Students have clarity for future career goals
2022-23	Students succeed in competitive exams Brand building will take place
2023-24	We move toward 100% placement in the course of next 5 years plan Industries, employers are attached to an University to hold job fairs, since excellent personnel is available. This furthers brand building

Objective 2 : Improvement in Inclusivity and Equity

2019-20	Build on existing SNTD foci of inclusivity e.g. Special education, destigmatizing mentally ill rag pickers etc.
2020-21	Arrange for Scholarships for women with disadvantaged social background
2021-22	Arrange Training programs for students on gender diversity
2022-23	Create physical infrastructure that is inclusive e.g. Ramps, Braille boards, writing tables for orthopedically disabled etc.
2023-24	Reach out to tribal groups, transgender and encourage interactions with mainstream students

2019-20	SNTD will become recognized as an inclusive brand
2020-21	Women from disadvantaged social background access education through scholarships. This increases GER and contributes to objectives
2021-22	Current discussion on Gender equality often leave out women's Universities, SNTD will become a brand on these issues
2022-23	Visuals of physical infrastructure is put on social media. This generates awareness and recognition of inclusive philosophy of SNTD WU
2023-24	Mutual sensitivity increases as marginalized and advantaged groups work together.

Objective 3 : Improvement of Quality and Delivery of Education

2019-20	Community work is made an integral component of each programme
2020-21	Blended learning programmes introduced establish with instrumentation centre
2021-22	Examination reform unit established Research conducted on assessment and evaluation
2022-23	Establish IPR Cell to guide students and faculty
2023-24	Introduced foreign language programmes
	Introduce innovative programs like cloud computing

2019-20	Community feels a bond to University GER improves leading of objective 1
2020-21	Student quality shows a quantum leap with blended learning /instrumentation
2021-22	SNDDT WU is identified for timely exams, high quality & quantity of research. This will improve University ratings.
2022-23	Students and faculty comprehend IPR principles, Begin filing patent, publishing work. This will feed into University nations.
2023-24	Student's internationalization is complete. They are enabled to access jobs worldwide. This builds SNDDT WU brand and improves University rating

Objective 4: Interface Between Industry, Business and Academic

2019-20	HRDC can be established experts invited include academic plus industry experts
2020-21	Sign MoU with industry, focussing on service delivery plus research
2021-22	Establish incubation centres
2022-23	Smart classrooms set up with CSR funding. Courses are aligned to industry needs.
2023-24	Teachers and institution heads are encouraged to take up consultancy.

2019-20	Teachers from all over India will register for HRDC programs. Industry experts will contribute as trainers
2020-21	Industry MoUs. Will increase visibility, GER & brand building
2021-22	Incubation & Innovation centres will be funded through CSR. Mire centres will spring up.
2022-23	Smart classrooms will cater to virtual lessons, online teaching & more distance mode programmes.
2023-24	Consultancy work highlights SNDDT Brand, improves GER, improves University ranking

6.1 Suggestions to help Implement the Plan

S.N.D.T. Women's University intends to initiate the following:

- To act as Nodal centre for formulation of women related policy decisions.
- Effective implementation of perspective plan be facilitated by deployment of adequate number of qualified and well trained teaching and non-teaching staff.
- Financial support for infrastructure up gradation and maintenance

7. Approvals

Note: Include here the approvals (signatures of authorised signatories of various academic bodies) in a sequential manner.

The perspective plan was discussed and approved.

Board of Deans

 27/11/18
Signature of Authorised Signatory with date

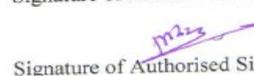
Academic Council


Signature of Authorised Signatory with date

Senate


Signature of Authorised Signatory with date

Management Council


Signature of Authorised Signatory with date

Annexure-1
Enrolment of students in SNTU after passing 12th standard
(District level statistics of 2018)

<i>Name of district</i>	<i>Number of female students that passed 12th standard examination</i>	<i>Number of seats available for admission across all streams</i>	<i>Number of female students admitted in various streams (science, commerce, arts, engineering) at SNTU</i>	<i>Number of seats vacant across all streams</i>
Ahmednagar	24,617	288	121	167
Akola	11,295	-	-	-
Amravati	16,447	-	-	-
Aurangabad	21,484	1782	696	1086
Bhandara	8,583	-	-	-
Beed	12,793	288	121	167
Buldhana	13,298	120	68	52
Chandrapur	12,895	-	-	-
Dhule	9,591	760	505	255
Gadchiroli	5,703	-	-	-
Gondia	9,846	-	-	-
Hingoli	4,540	-	-	-
Jalgaon	18,262	616	523	93
Jalna	9,062	144	23	121
Kolhapur	22,155	538	371	167
Latur	13,211	300	244	56
Mumbai city	18,009	3806	2586	1220
Mumbai Sub.	49,371	4692	4981	-289
Nagpur	29,888	360	328	32
Nanded	13,368	-	-	-
Nandurbar	6,234	792	526	266
Nashik	29,284	632	368	264
Osmanabad	6,493	-	-	-
Parbhani	8,195	456	148	308
Pune	53,114	1076	762	314
Palghar	15,977	-	-	-
Raigad	13,598	576	103	473
Ratnagiri	10,015	288	110	178
Sangli	15,109	540	294	246
Satara	16,499	504	362	142
Sindhudurg	5,633	216	100	116
Solapur	19,869	144	108	36
Thane	39,171	1056	496	560
Wardha	7,805	120	77	43
Washim	6,810	-	-	-
Yavatmal	13,245	120	108	12
	5,91,469	20,214	14,129	6085

Source: ## MKCL Analysis of AY 2017-18

Annexure-2
District wise gender imbalance in accessibility of education

<i>District</i>	<i>Literacy rate #</i>		<i>GER</i>	
	<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>
Ahmednagar	88.81	71.15	31.95	29.54
Akola	92.89	81.91	14.32	17.05
Amrawati	92.7	83.52	56.91	43.60
Aurangabad	89.31	70.81	51.33	33.38
Bhandara	93.17	77.02	16.69	25.90
Beed	83.99	62.29	22.79	16.69
Buldhana	90.69	72.95	11.96	11.52
Chandrapur	88.73	73.65	20.24	27.49
Dhule	82.59	66.21	20.43	18.93
Gadchiroli	80.21	60.66	13.94	15.51
Gondia	93.54	77.30	12.16	18.52
Hingoli	86.73	64.73	7.85	6.08
Jalgaon	87.97	70.92	24.66	24.77
Jalna	85.25	61.28	23.61	14.94
Kolhapur	91.33	74.18	54.28	49.39
Latur	87.42	70.02	16.99	17.68
Mumbai city	90.54	86.03	167.06	182.49
Mumbai Sub.	94.28	86.93	14.94	16.92
Nagpur	93.76	85.07	57.14	54.39
Nanded	86.62	66.60	43.73	30.19
Nandurbar	71.98	53.90	12.26	9.34
Nashik	88.03	73.43	43.01	33.91
Osmanabad	85.31	66.67	20.91	16.62
Parbhani	85.66	64.27	14.48	12.88
Pune	92.72	81.13	79.53	61.61
Raigad	90.68	76.79	28.52	22.20
Ratnagiri	91.43	74.55	18.72	16.54
Sangli	90.40	74.66	27.03	30.18
Satara	92.09	76.29	24.87	30.63
Sindhudurg	93.68	79.73	22.35	22.01
Solapur	86.35	68.55	20.26	18.72
Thane	90.90	80.78	18.53	18.21
Wardha	92.27	81.89	27.25	31.94
Washim	90.54	72.26	8.11	9.47
Yavatmal	88.58	72.41	12.84	14.09
			34.04	30.71

Population Census 2011

Annexure-3
Statistics on NAAC accreditation

<i>Number of colleges affiliated to the university</i>	<i>Number of colleges that have acquired NAAC accreditation in the last 3 cycles</i>	<i>Number of colleges that have not undergone NAAC accreditation any time</i>
<i>158 (In Maharashtra)</i>	<i>07</i>	<i>131</i>

Annexure-4
Economic Survey
District wise imbalance in social and economic development

<i>Name of District</i>	<i>Per capita income #</i>	<i>% of population below poverty line #</i>	<i>Women Employment in organised sector %</i>	<i>Women Employment in unorganised sector %*</i>	<i>Number of women only SHGs **</i>	<i>% of households with improved source of drinking water ##</i>	<i>% of households with electricity ###</i>	<i>Number of PHCs ###</i>
Ahmednagar	86832	12.06		3.398	12616	50.4	75.14	89
Akola	27708	35.35		5.408	3749	50.4	80.40	30
Amravati	39934	28.24		7.182	4786	58.7	80.40	56
Aurangabad	117091	28.70		4.000	7209	77.8	80.03	47
Bhandara	41803	33.00		2.914	6624	38.0	82.32	30
Beed	55195	33.80		0.970	9946	42.4	73.76	47
Buldhana	28222	44.47		5.008	7345	54.1	76.49	52
Chandrapur	47845	33.50		1.288	12133	40.6	79.05	58
Dhule	85706	53.65		4.915	3654	83.9	77.15	41
Gadchiroli	49831	28.30		0.174	12436	19.5	59.19	45
Gondia	28138	42.99		0.632	10763	17.5	82.91	42
Hingoli	93282	57.62		-	4477	35.9	70.08	20
Jalgaon	117091	8.90		4.375	8261	88.7	80.83	80
Jalna	49831	38.86		1.086	13388	88.7	74.43	38
Kolhapur	119783	28.30		3.053	17023	85.4	93.73	72
Latur	28379	26.00		0.765	8653	58.4	80.51	46
Mumbai	166138	13.30		3.719	-	97.8	98.15	-
Mumbai Sub.	118614	8.98		7.238	-	96.5	96.89	-
Nagpur	65823	19.60		2.994	9210	76.4	92.15	48
Nanded	54389	33.21		1.315	6923	47.0	74.47	64
Nandurbar	49831	25.32		2.946	10385	56.8	58.26	49
Nashik	110717	24.40		2.116	11997	63.2	76.65	100
Osmanabad	25533	34.76		1.776	9520	56.6	68.83	42
Parbhani	31296	36.68		2.092	5462	41.2	75.65	31
Pune	171636	1.40		3.131	12807	80.6	92.70	86
Raigad	120356	6.06		3.085	9933	73.9	91.73	54
Ratnagiri	53357	6.27		2.580	11449	60.5	93.38	67
Sangli	117091	16.60		5.106	12118	67.3	82.90	59
Satara	49831	26.32		5.107	17364	73.4	87.91	71
Sindhudurg	103742	17.26		25.473	8017	30.7	94.69	38
Solapur	84858	24.19		2.341	17198	57.0	69.33	68
Thane	127231	3.50		3.945	8458	80.8	91.82	77
Wardha	37604	41.10		1.341	11583	63.5	87.93	27
Washim	28855	38.32		8.535	3689	63.5	76.00	25
Yavatmal	28222	29.30		4.029	16447	43.9	69.73	62

Source:

- www.mahasdb.maharashtra.gov.in
- <https://nrlm.gov.in>
- <https://mahades.maharashtra.gov.in>

Population Census 2011

Annexure-5
Employment Opportunities for Women in Major Industries

Industry/ Service type	Skills required for employment (SNDTU Perspective)	Whether courses relevant to these skills exist currently in SNDTU (Yes/No)	R&D opportunities perceived by SNDTU	Department/ college likely to be associated with relevant R&D
Engineering	Electronics & Communication Business Intelligence, Information Security, UI/UX Design, Mobile Development, Hardware Interfacing IP, Networking	Yes	Wireless Network, IOT, VLSI Design, Nano Technology, Fibre Security, Network Security	Usha Mittal Institute of Technology
Food Processing Industries	Hygiene and Sanitation Awareness, Handling of Perishable Commodities to Prevent Wastage, Knowledge of Operating Machines in The Process Line, Basic Counting Skills for Enumeration of Raw Materials and Production, Knowledge of Grading and Separation of Commodities	Yes	Food Product Development, Food Quality Control	Department of Food Science & Technology, SNDT WU, Centre for Vocational & Technical Education, SVT College of Home Science and Affiliated Colleges.
Gems and Jewellery Industries	Assorter (Diamond and Gemstone Processing, Metal Setter (Jewellery Manufacturing), Bench Worker (Manufacturing and Processing), Quality Control (Manufacturing and Processing), Design and Product Development (Manufacturing and Processing), Production Planning and Control (Manufacturing and Processing)	Yes	Development of Innovative Design and Process	SNDT WU Centre For Vocational & Technical Education and Affiliated Colleges
Chemical Industries	Synthesis of Organic Compound, Instrumental Methods of Analysis, Testing & Quality Control of Chemical Products	Yes	Synthesis of New Molecules Quality Assurance Innovative Methods in New Technology	Department of Analytical Chemistry (SHPT)
Pharmace	Calibration and Operation of	Yes	Formulation	Cu Shah College

utical Industries	Sophisticated Analytical, Instrument, Basic Computer Skills with Ms Office, Analytical Skills		Development of NDDS, Computer Aided Drug Design & Discovery, Development of Novel Herbal Formulations, Safety and Efficacy Studies	of Pharmacy (Conducted College)
Textile Industries	Creativity in Designing and Dyeing, Critical Analysis and Interpretation of Materials	Yes	Natural Dyeing, Eco Friendly Wet Processing of Textile Nano Technology and Textile, Preservation of Traditional Textile, Sustainable Textile, Bio Base Textile, Focus on Quality and Enhancing Production Capacities	Dept. Of Textile Science & Apparel Design and Affiliated Colleges
Fashion Industry	High Degree of Tactile Perception of Aesthetics and Beauty, Draping, Illustration and Understanding of Fabric Quality and Texture, Skill of Using Sewing Machine and Other Related Machinery	Yes	Utilization of Traditional Textile in Contemporary Way Combination of Traditional Textile Art with Innovative Recent Technology	Dept. Of Textile Science & Apparel Design and Affiliated Colleges

Annexure-6
Employment opportunities for women in industry in the region
(Micro Small Medium Enterprises)

Industry/ Service type	Skills required for employment (SNDTU Perspective)	Whether courses relevant to these skills exist currently in SNDTU (Yes/No)	R&D opportunities perceived by SNDTU	Department/ college likely to be associated with relevant R&D
Engineering (No MSME Unit 3217)	Electronics & Communication Business Intelligence, Information Security, UI/UX Design, Mobile Development, Hardware Interfacing IP, Networking	Yes	Wireless Network, IOT, VLSI Design, Nano Technology, Fibre Security, Network Security	Usha Mittal Institute of Technology
Food Processing Industries (No MSME Unit 18480)	Hygiene and Sanitation Awareness, Handling of Perishable Commodities to Prevent Wastage, Knowledge of Operating Machines in The Process Line, Basic Counting Skills for Enumeration of Raw Materials and Production, Knowledge of Grading and Separation of Commodities	Yes	Food Product Development, Food Quality Control	Department of Food Science & Technology SNDWU, Centre for Vocational & Technical Education, SVT College of Home Science and Affiliated Colleges.
Gems and Jewellery Industries	Assorter (Diamond and Gemstone Processing, Metal Setter (Jewellery Manufacturing), Bench Worker (Manufacturing and Processing), Quality Control (Manufacturing and Processing), Design and Product Development (Manufacturing and Processing), Production Planning and Control (Manufacturing and Processing)	Yes	Development of Innovative Design and Process	SNDT WU Centre For Vocational & Technical Education and Affiliated Colleges
Chemical Industries (No MSME Unit 32828)	Synthesis of Organic Compound, Instrumental Methods of Analysis, Testing & Quality Control of Chemical Products	Yes	Synthesis of New Molecules Quality Assurance Innovative Methods in New Technology	Department of Analytical Chemistry (SHPT)

Pharmaceutical Industries (No MSME Unit 104)	Calibration and Operation of Sophisticated Analytical Instrument, Basic Computer Skills with Ms Office Analytical Skills	Yes	Formulation Development of NDDS, Computer Aided Drug Design & Discovery, Development of Novel Herbal Formulations, Safety and Efficacy Studies	CU Shah College of Pharmacy (Conducted College)
Textile Industries (No MSME Unit 15836)	Creativity in Designing and Dyeing, Critical Analysis and Interpretation of Materials	Yes	Natural Dyeing, Eco Friendly Wet Processing of Textile Nano Technology and Textile, Preservation of Traditional Textile, Sustainable Textile, Bio Base Textile, Focus on Quality and Enhancing Production Capacities	Dept. Of Textile Science & Apparel Design and Affiliated Colleges

Annexure-7

Employment opportunities for women in industry in the region (Agro based)

Industry/ Service type	Skills required for employment (SNDTU Perspective)	Whether courses relevant to these skills exist currently in SNDTU (Yes/No)	R&D opportunities perceived by SNDTU	Department/ college likely to be associated with relevant R&D
Food Processing Industries (No MSME Unit 18480)	Hygiene and Sanitation Awareness, Handling of Perishable Commodities to Prevent Wastage, Knowledge of Operating Machines in The Process Line, Basic Counting Skills for Enumeration of Raw Materials and Production, Knowledge of Grading and Separation of Commodities	Yes	Food Product Development, Food Quality Control	Department of Food Science & Technology, SNDT WU Center for Vocational & Technical Education, SVT College of Home Science and Affiliated Colleges.

Annexure-8

Employment opportunities in industry in the region (Craft, Handloom, Local products)

<i>Industry/Service type</i>	<i>Skills required for employment (SNDTU Perspective)</i>	<i>Whether courses relevant to these skills exist currently in SNDTU (Yes/No)</i>	<i>R&D opportunities perceived by SNDTU</i>	<i>Department/college likely to be associated with relevant R&D</i>
Spinning, Weaving and Finishing of Textiles (131)	Modern Techniques Relevant to Spinning, Weaving and Finishing of Textiles	Yes	To Develop Modern Techniques for Textile Industries	Dept. of Textile Science & Apparel Design
Manufacture of Other Textiles (139)	Knowledge Regarding Various Techniques of Manufacturing of Textiles	Yes	Development of New Methods of Manufacturing of Textiles.	Dept. of Textile Science & Apparel Design
Manufacture of Footwear (152)	Knowledge About Recent Trends of Footwear and Its Manufacturing	Yes	To Develop New Techniques or Machinery Required for Footwear	Centre for Vocational & Technical Education
Manufacture of Paper Products (170)	Knowledge About Different Type of Paper and Its Manufacturing	Yes	To Develop New Technology for High Quality Paper and Its Products	Centre for Vocational & Technical Education
Textile Products	Textile Processing, Communication, Packaging and Marketing Skills	Yes	Quality Enhancement	Dept. Of Textile Science & Apparel Design
Readymade Garments	Textile Processing, Communication, Packaging and Marketing Skills	Yes	Quality Enhancement	Dept. Of Textile Science & Apparel Design

Annexure-9
Opportunities for women in utilization of local resources
(Agri produce, Minerals, Tourist spots etc.)

Industry/ Service type	Skills required for employment (SNDTU Perspective)	Whether courses relevant to these skills exist currently in SNDTU (Yes/No)	R&D opportunities perceived by SNDTU	Department/ college likely to be associated with relevant R&D
Food Processing Industry	Hygiene and Sanitation Awareness, Handling of Perishable Commodities to Prevent Wastage, Knowledge of Operating Machines in The Process Line, Basic Counting Skills for Enumeration of Raw Materials and Production, Knowledge of Grading and Separation of Commodities	Yes	Food Product Development, Food Quality Control	Department of Food Science & Technology SNDWU, Centre for Vocational & Technical Education, SVT College of Home Science and Affiliated Colleges.
Tourism	Expertise in Foreign Language, Advertising and Marketing Skills, Hospitality Management.	Yes	To Undertake Research on Pattern Recognition in Advertising and booking, Focusing Travel and Tourism, To Provide Consultancy to All Entrepreneurs in Tourism Industry.	Affiliated Colleges Nearby the Tourist Places

Annexure-10

Opportunities in Fine arts, Performing arts, photography, Animation, Local arts

Note: This data base is for objectives 2.5, 2.6, 2.7

Include here: *The scope and sustainability of new courses in fine arts, performing arts, photography, animation etc, efficacy of studies in local culture/history/art forms*

Art forms	Current enrolment in these course ##	Current placement of graduates from these courses	Anticipated opportunities (in terms of placements) by 2024	University department /College relevant as nodal agency
<i>Vocal Music</i>	86	<i>NO</i>	<i>At least 20%</i>	<i>Department of Music</i>
<i>Instrumental Music</i>		<i>NO</i>	<i>At least 20%</i>	
<i>Creative Painting</i>	156	<i>NO</i>	<i>At least 20%</i>	<i>Department of Drawing And Painting</i>
<i>Mural</i>		<i>NO</i>	<i>At least 20%</i>	
<i>Portaiture</i>		<i>NO</i>	<i>At least 20%</i>	

Source:

MKCL Analysis of AY 2017-18

Annexure-11
Expectation From Higher Education: Feedback from Stake holders

Sr. No	Stake Holder	Sample size	Important Inputs and Suggestions	To what objective (2.1 to 2.10) does this input / suggestion relates
1.	Students	2453	<ul style="list-style-type: none"> • Implementation of Earn and Learn scheme • Reinforcement of skill based & supplementary courses • Opening of many more competitive examination coaching centre 	2.8 2.6 2.8
2	Teachers	262	<ul style="list-style-type: none"> • More emphasis on skill based education • Undertaking collaborative activities with Institutions or Organisations of repute. • To have University Research cell and Incubation centre • Emphasis on industry – academia interface in academic & research activities 	2.6 2.5 2.6 2.4
3	Parents	864	<ul style="list-style-type: none"> • Enhancement in campus placement driven education • Education in life & social skill development • Promotion of basic & vocational education • Provision for Entrepreneurship driven education 	2.6 2.8 2.6 2.6
4	Principals	27	<ul style="list-style-type: none"> • University must launch more programmes which enhance the employability & skills of students, e.g. Catering and hotel management, Medical Laboratory Technician, Entrepreneurship and Small Business, Day care management, Airport Operations, Cosmetics and Beautification, Photography, Digital Graphic Design, etc. • Promotion of legal education • Increase divisions when there is a demand of students for the course • Include an elective vocational subject in the course which can help students to be independent 	2.6 2.6 2.1 2.6
5.	Sanstha Chalak	37	<ul style="list-style-type: none"> • Promotion of Public Private Partnership colleges • Supplementation of conventional education with career oriented programme • Facilitation of affordable education for empowering women 	2.6 2.2 2.6

			<ul style="list-style-type: none"> • Promotion of professional & skill based education in mother tongue 	
6.	Industrialists	33	<ul style="list-style-type: none"> • Promotion of avocational education • Promotion of Professional, Vocational & Skill based education • Involvement of professional & experienced industry people in academic activities • Encouragement for women's colleges in Rural area 	2.6 2.6 2.8
7	Eminent Persons	82	<ul style="list-style-type: none"> • Education for socially & economically challenged women 	2.2
8	Non-teaching staff/ officials	69	<ul style="list-style-type: none"> • Emphasis on ICT enabled & skill oriented education 	2.6
9.A	Members of statutory bodies of university	12	<ul style="list-style-type: none"> • Conducting capacity building programme for teaching and non-teaching staff across the university & collegiate institutions • Base higher education on the principles of inclusion & social justice • Expansion of horizon of university through collaborative research & academic activities with national & international institutions 	2.3 2.8 2.4
9.B	Hon. Vice-Chancellor, Pro-Vice-Chancellor and Registrar	03	<ul style="list-style-type: none"> • Institution of Regional Centre • Institution of Satellite Centres • Starting Institution of Finesse / Social / Polytechnics • University Academy of civics, polity & economy • University Centre for Disability & Rehabilitation • University Centre for Experiential Education of Rural Management & Engagement • University Centre for Women Health & Wellness 	2.3 2.3 2.6 2.3 2.3 2.6 2.3
10.	Government officials	--	--	
11.	Additional representations received from stake holders	5553	--	
	Total	9395		

Annexure 12B
LOCATIONAL PLAN OF COLLEGES/ INSTITUTES/ CENTRES
(2019-2024)

Sr. No.	District	Number of Existing Colleges	No. Colleges Proposed	Needs of society (Source : National Skill Development Corporation Report, 2013)	High Potential Enterprises of District (Source: Industrial State Profile of Maharashtra – 2016-17)	2019-2020	2020-2021	2021-2024 (3 Years)
1.	Ahmednagar	8	03	Agriculture, Auto and Auto component, Food Processing (mainly sugar processing), Tourism, Travel, Hospitality & Trade Others (fabrication and general engineering)	Auto & Engineering components Milk processing and Dairy – based products Food processing Fruit processing	B.Ed. (Special Edu) (01)	Nursing (01)	Social Polytechnic Techniques (01)
2.	Akola	0	03	Food processing, Texting Clothing	Sweets of orange, Sweet lime & Mango Agriculture implements Fabrication workshop	Human Ecology and Community Science –Food Processing (01), Textile Science and Apparel Design(TSAD) (01)		Social Polytechnic Techniques (01)
3.	Amravati	2	02	Agriculture, Food Processing, textile & Clothing, other manufacturing	Agricultural Equipment	Human Ecology and Community Science - Textile Science and Apparel Design(TSAD) (01)	B.Ed.(01)	

4.	Aurangabad	14	04	Agriculture, Auto & Auto Components, Chemicals & Pharmaceuticals, Food Processing, Organised Retail, textile & clothing, tourism, travel, hospitality & trade, unorganised sector	Basic drugs Engineering ancillaries Agriculture Equipment General fabrication Automobile & Auto components Small tools Tourism	Science and Applied Science(01)	B. Voc (01)	Arts – Science-Commerce (general)(01) Social Polytechnics (01)
5.	Bhandara	0	02	Agriculture, Food Processing	Fruit Processing Chilly Powder Mango Pickles Bakery Products Agriculture implements	Arts –Science-Commerce (general)(01)		Science and Applied Science(01)
6.	Beed	6	01	Agriculture and allied, Food Processing – Sugar, Textile and Clothing – Cotton Ginning and Spinning	Dairy based products Fabrication Oil Mill Dal Mill Agriculture implements Fabrication workshop Agriculture Pumps	Science and Applied Science(01)		
7.	Buldhana	2	02	Agriculture & allied Textile & Clothing Food processing - Soyabean	Food Processing Spice making Engineering Workshop			Arts – Science-Commerce (general)(01) Social Polytechnic (01)
8.	Chandrapur	2	04	Construction Materials and Building Hardware, Food Processing, Tourism, Travel, Hospitality & Trade, Energy (Power), Fly ash Cluster, Mining	Wooden Furniture Wooden Packing cases Dal Mill Fabrication workshop	Human Ecology and Community Science - (01) Arts –Science-Commerce (general)(01)	Nursing(01)	Social Polytechnic Techniques (01)
9.	Dhule	4	01	Agriculture, Food Processing (Oil extraction / processing), Textile and Clothing	Chilly Processing / Spices processing Engineering Workshop	B.Voc. (Jewellery)-01		

10.	Gadchiroli	0	04	Agriculture and allied, Unorganised sector	Bamboo & Cane Products Wooden packing cases Wooden furniture Agriculture implements Engineering workshop Electrical motors repairing & rewinding Honey extraction	Commerce , (Accountancy Finance) & Accountancy, Finance & Insurance (01)	Science and Applied Science(01) BSW(1)	Social Polytechnic (01)
11.	Gondia	0	04	Agriculture, Food Processing	Cane Furniture Mango Processing Mango Pickles Metal fabrication	Commerce, (Accountancy Finance) & Accountancy, Finance & Insurance (01) B.S.W.(01)	Science and Applied Science (01),	Social Polytechnic (01)
12.	Hingoli	0	03	Agriculture and allied, Food Processing – Soya processing, Textile and Clothing – Cotton ginning and pressing	General fabrication Agriculture equipment	B.B.A.(01)		B.S.W.(01) Social Polytechnic (01)
13.	Jalgaon	9	04	Agriculture, Food Processing, Gems and Jewellery, Tourism, Travel, Hospitality & Trade, Pipe manufacturing, Plastic Processing	Bio-coal briquettes from sugarcane and Banana waste. Baby food based on Banana Food products	B.Ed. (Special Education) (01) Commerce, (Accountancy Finance) & Arts –Science- Commerce (general)(01)	Arts – Science- Commerce (general)(01) Commerce – Banking and Insurance -Banking and Finance	Social Polytechnic (01)
14.	Jalna	1	04	Agriculture and allied, Construction Materials and Building Hardware - Metals, Textile and Clothing – Cotton	General purpose machine- shop Dal Mill Seed Processing unit Rolling Shutters	B. Pharm. (01) Law(01)	BSW(01)	Social Polytechnic (01) (Health Care Services,

				Ginning and Spinning, Unorganised sector – Ganesh Idol				Food Processing)
15.	Kolhapur	8	04	Agriculture, Food Processing, Textile and Clothing, Tourism, Travel, Hospitality & Trade, Others – Foundry, Unorganised sector – Silver Jewellery and Leather Chappals	Casting and Foundries Dairy and Milk products Jaggery Agricultural Implement Leather goods Leather Chappals Silver Artwork	Human Ecology and Community Science - (01) Law(01)		Arts – Science- Commerce (general) (01) Social Polytechnic (1)
16.	Latur	3	01	Agriculture, Food Processing – Sugar, Food Processing – Soya	Cotton ginning, processing, Spinning, weaving, etc. Fruit processing industries Fertilizer & pesticides			Social Polytechnic (01)
17.	Mumbai Suburb	14	06	Auto and Auto component ,Banking and Financial Services Insurance ,Building, Construction industry and Real Estate services, Education and Skill Development Services ,Electronics and IT hardware, Food Processing ,Gems and Jewellery, Healthcare Services, IT & ITES ,Leather and Leather goods, Media and Entertainment ,Organised Retail ,Transportation, Logistics, Warehousing and Packaging, Tourism, Travel, Hospitality & Trade, Unorganised sector	Catering/Hotel Industry Tourism industries Bakery Products Preservation of fruits & vegetables Imitation Jewellery	Law (01) <i>University Centre for Archival studies(01)</i>	<i>University Centre for Women Health and Wellness (01)</i> Science and Applied Science - Data Science(01)	BSW(01), Social Polytechnic (01)
18.	Nagpur	6	07	Banking and Financial Services Insurance ,Building, Construction industry and Real Estate services, Food Processing, IT & ITES ,Media	Food Processing Metal fabrication Textiles	Law(01) B. Design(01)	Arts , Science and Commerce (01) Human Ecology and	Aviation Courses, Food Processing, Social Polytechnic(

				and Entertainment, Organised Retail ,Textile and Clothing, Transportation, Logistics, Warehousing and Packaging, Tourism, Travel, Hospitality & Trade, Unorganised sector, Fabrication Industry (Engineering units)			Community Science - (01)	01) (Airline Support Services) <i>University Centre for *Disability and Rehabilitation (01) *Experimental Education of Rural Management and Engagement (01)</i>
19.	Nanded	0	05	Agriculture, Food Processing - Fruit Processing, Textile and Clothing – Cotton Ginning and Pressing, Tourism, Travel, Hospitality & Trade	Fruits/ vegetable Processing industry Starch from jowar Jowar flakes Bio-fertilizers from agro-waste General fabrication	BBA(01), BSW(01)	B. Pharm (01),	B. Voc. (01) & Social Polytechnic(01)
20.	Nandurbar	7	05	Agriculture, Food Processing (Chilli / Fruit processing) ,Textile and Clothing ,Others – diamond cutting	Ayurvedic products Windmills Chilli Powder Hatchery/Poultry Farming Extraction of oil Textile	BSW(01)	B. Voc. (01) (Jewellery Design) Science and Applied Science(01)	Social Polytechnic (01) Law College(01)
21.	Nashik	10	03	Auto and Auto component ,Chemicals & Pharmaceuticals, Electronics and IT hardware, IT & ITES ,Tourism, Travel, Hospitality & Trade, Plastic Processing ,Wine Processing - Cluster , Paithani Saree Cluster,	Dehydration of Grapes Fruit Juice/Jam/Jellies/ ketchup Repairing of Agriculture equipment Winery Grape processing Textile	Arts –Science-Commerce (General)(01)	Science & Applied Science (Data Science-(01)	B. Voc. Printing Technology (01)

				Raisin Making Cluster				
22.	Osmanabad	0	03	Agriculture, Food Processing – Soya processing, Tourism, Travel, Hospitality & Trade.	Starch from Jawar Fabrication	Science and Applied Science- Home Science- Hospitality Management (01), Arts –Science- Commerce (general) (01)		B.S.W.(01)
23.	Parbhani	4	02	Agriculture, Textile and Clothing.	Dal Mill Oil Mill	Law (01)	Science & Applied Science(01)	
24.	Pune	6	04	Agriculture, Auto and Auto component, Banking and Financial Services Insurance, Building, Construction industry and Real Estate services, Chemicals & Pharmaceuticals, Education and Skill Development Services, Food Processing, Healthcare Services, IT & ITES, Media and Entertainment, Organised Retail, Textile and Clothing, Transportation, Logistics, Warehousing and Packaging, Tourism, Travel, Hospitality & Trade, Unorganised sector.	Auto Engineering Electrical & Electronic Parts Fruit Processing Agriculture implements & Servicing Servicing of agriculture farm equipment E.g. Tractor, Pump, Rig Boring machines, etc. Auto Components. ITES Defence Equipment Sugar Factory M/c Parts Electronic Parks, Civil Construction Equipments	Law (01)	Science & Applied Science (Data Science-01)	B. Voc. (01), Sports & Games Management (01) <i>University Social Polytechnic (01) (Airline Support Services, Facility Management (01))</i>
25.	Palghar	0	07			B. Design(01), Law(01), BCA(01) <i>University Centre for Women Health and Wellness(01)</i>	<i>University Academy of Civics, Polity and Economy (01)</i>	B.Voc (Jewelry)(01) Social Polytechnic (01)

26.	Raigad	4	03	Building, Construction industry and Real Estate services, Chemicals & Pharmaceuticals, Construction Materials and Building Hardware, Organised Retail, Transportation, Logistics, Warehousing and Packaging, Tourism, Travel, Hospitality & Trade, Unorganised sector (Ganesh Idol Cluster – Pen), Fabrication Industry (Engineering units)	Food Processing Repairs of Agricultural Implements Ganpati Idol making. Fish Products and dry fish	BBA(01)	Law(01)	Social Polytechnic (01)
27.	Ratnagiri	4	03	Agriculture and allied, Chemicals & Pharmaceuticals, Food Processing, Tourism, Travel, Hospitality & Trade	Mango Canning Mango Chutney/pickle Bottling of juice Coconut shells powder Coir Rope making Salt manufacturing Cashew nut shell liquid Coconut/cashew feni	Human Ecology and Community Science And BSc-Hospitality Management (01)		College of Science and Applied Science- B.Sc. Marine Food processing (01) Social Polytechnic Food Processing (01) Adventure Sports
28.	Sangli	6	02	Agriculture, Food Processing – sugar, turmeric, raisin and dairy, Textile and Clothing	Organic Pesticides Organic Fertilizers Inverters/UPS for domestic uses. Engineering workshop Fruit Processing of Grapes, tomatoes, pomegranates, Papaya, Mango Dairy Products i.e. Cheese, Paneer Ice-cream etc. Turmeric Processing	Law (01),		Social Polytechnic Food Processing (01)

29.	Satara	4	04	Agriculture, Food Processing – sugar and agro based, Tourism, Travel, Hospitality & Trade	Essential Oils Jawar Flakes Dehydrated Onions Repairing & servicing of Agricultural implements Sugar Mill Parts. Fruit Processing	B.S.W. (01) Human Ecology and Community Science - (01)	General Arts, Commerce and Science(01)	Law (01)
30.	Sindhudurg	4	04	Agriculture and allied, Food Processing, Tourism, Travel, Hospitality & Trade	Mango Processing Canning Coir rope/Mat Modern Rice Milling Cashew nuts – roasted and salted Fish canning Salt manufacturing Fish export Tourism Wooden Toys	Human Ecology and Community Science - (01) Arts –Science-Commerce (general)(01)	Nursing (01)	B.Voc in Sports Science & Games Management Wildlife Management & Technology (01)
31.	Solapur	12	03	Agriculture ,Food Processing , Textile and Clothing – Power loom and Handloom, Unorganised sector – Beedi factories	Bed Sheet with Pillow Covers set (Solapuri Chaddars) Bleaching and dyeing of cotton knitted fabrics Cotton knitted fabrics Cotton knitted undergarments Cotton lycra (Spandex) knitted wears Cotton yarn dyeing Turkish Towels Dairy Equipment	B.S.W. (01) Arts –Science-Commerce (general)(01)	Law (01)	
32.	Thane	8	03	Agriculture and allied ,Auto and Auto component, Banking and Financial Services Insurance, Building, Construction industry and Real Estate services, Chemicals & Pharmaceuticals, Electronics and IT hardware, Food Processing, IT & ITES,	Fabrication Textile auxiliaries Manufacturing of rubber products Manufacturing of machinery and equipments Power looms Computer Hardware Computer Training Centre Data processing	Law (01), B.M.S.(01)		Social Polytechnic (01)

				Organised Retail, Textile and Clothing, Transportation, Logistics, Warehousing and Packaging, Tourism, Travel, Hospitality & Trade, Unorganised sector, Others – Facility management, metal forging, electrical and other manufacturing Source: ImaCS				
33.	Wardha	2	02	Agriculture, Construction Materials and Building Hardware, Textile and Clothing	Fruits processing industry from sweet lime, Banana, Lemon & Papaya, etc Cotton ginning, pressing, spinning & weaving etc. Extraction of starch from Jowar Bakery & confectionery Agriculture Implements/equipments	B.S.W.(01)	Nursing (01)	
34.	Washim	1	02	Agriculture, Food Processing – Soya processing	Bio-coal briquettes from sugarcane Agriculture Equipments General fabrication	Human Ecology and Community Science – Food Processing (01)		Arts – Science-Commerce (general)(01)
35.	Yavatmal	2	04	Agriculture, Food Processing – Manufacture of food products, Textile and Clothing – Cotton Ginning and Spinning	Chilly Powder Turmeric Powder Dal Mill	B.S.W.(01), Arts – Science-Commerce (general)(01)	Law (01)	Social Polytechnic (01)
	Total	152	118			51	26	41

Annexure 13
New Courses Proposed for 2019-2024

A. Skill Courses

Sr. No.	Name Of The Course	Duration
1	M.Voc. (Interior Ddesign)	2 years
2	M.Voc. (Gems & Jewelry)	2 years
3	M.Voc. (Fashion Design)	2 years
4	M.Voc. (Optometry)	2 years
5	M.Voc. (Food Processing Technology)	2 years
6	B. Voc. (Banking, Financial Services and Insurance)	3 years
7	Diploma in Herbal Medicine	1 year
8	Diploma in Leather product development	1 year
9	Diploma in Dairy Food processing and manufacturing	1 year
10	Diploma in Indian Sign Language	1 year
11	Certificate course in Agriculture & Allied practices	6 months
12	Certificate course in Auto & Auto component	6 months
13	Certificate course in Building & Construction	6 months
14	Certificate course in Pharmacy Assistance	6 months
16	Certificate course in Nursing and Midwifery	6 months
17	Certificate course in Web design	6 months
18	Certificate course in ICT	6 months
19	Certificate course in Retail Management	6 months
21	Certificate course in Facility Management	6 months
22	Certificate course Handloom and Handicraft	6 months
23	Certificate beauty Culture & Wellness	6 months
24	Certificate course in Mobile repairing	6 months
25	Certificate course in Medical Instrumentation	6 months
26	Certificate in Medical Instrument repair	6 months
27	Certificate course in Ticketing	6 months
28	Certificate course in Hosiery manufacturing	6 months
29	Certificate course in Readymade Garment manufacturing	6 months
30	Certificate course in Carpentry	6 months
31	Certificate in Poultry Farm Management	6 months
32	Certificate course in Customer Care Relationship	6 months
33	Certificate course in Dialysis Assistant Training	6 months
34	Certificate course in Shadow Teaching	6months
35	Certificate course in Braille	6 months
36	Certificate courses in Tourism : Heritage Tourism; Eco. Tourism; Film Tourism)	6 months
37	Certificate course for Home Care Assistance	6 months

B. Entrepreneur Courses

38	Entrepreneurship Management	3 years
39	Certificate course for Women Entrepreneurs	6 months
40	Certificate course in Home Based Business	6 months

C. Professional Courses

41	Diploma in Sales & Marketing	1 year
42	Diploma in Logistic Management	1 year
43	Diploma in Micro Finance	1 year
44	Diploma in Soft skill development & Personality development	1 year
45	Diploma in Social Work	1 year
46	Diploma in Leather Technology	1 year
47	Diploma in Public administration	1 year
48	Diploma in Translation Studies	1 year
49	Diploma in Restoration of Painting	1year
50	Diploma in Museum Management	1 year
51	Diploma in X-ray Technology	1year
52	Diploma in Hospitality Management	1 year
53	Diploma in Horticulture	1 year
54	Diploma in Online Banking & Securities	1 year
55	Diploma in Restoration of Textiles	
56	Certificate course in Social Media and Marketing	1 year
57	Certificate course in Office Management	6 months
58	Certificate course in Digital Humanities	6 months
59	Certificate course in Blog Writing	6 months
60	Certificate course in Inclusive Education	6 months

D. Post Graduate Courses

61	PG Diploma in Gandhian studies	2 yrs
62	PG Diploma in Ambedkar thoughts	2 yrs
63	PG Diploma in Management of Learning Disability	1 Year
64	P G Diploma in Event Management	1 Year
65	MBA in Supply Chain Management	2 years

E. Performing Art Courses

66	BA in Performing Art (Drama)	3 years
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Annexure 14
Skill Courses Currently Offered by the University

Sr. No.	Name of the course	Duration	University Department/College
1	B.Voc. (Interior design)	3 year	SNDTWU
2	B.Voc. (Jewellery Design)	3 year	SNDTWU
3	B.Voc. (Fashion Design)	3 year	SNDTWU
4	B.Voc. (Optometry)	3 year	SNDTWU
5	B.Voc. (Food Processing Technology)	3 year	SNDTWU
6	Certificate course in Fashion Design	1 year	PV Polytechnic
7	Certificate course in Jewellery Design	1 year	PV Polytechnic
8	Certificate course in Styling	1 year	PV Polytechnic
9	Certificate course in Talley	3 months	PV Polytechnic

Annexure 15

Courses in Liberal, Fine and Performing Arts, Tourism and Hospitality

Courses	Name of university department/College	Current status	Envisaged by 2024
Liberal Art			
	Departments of English, Hindi, Gujarati. Marathi and Sanskrit	M.A. in Ancient Indian Culture M.A. in Interdisciplinary studies in Language Master in Applied Linguistics	Certificate course in PageMaker. Certificate course in Creative writing and IDIOMS. PG Diploma course in Devnagari Script.
	Department of Sanskrit	P.G. Diploma in Spoken Sanskrit.	Diploma course in Yoga & Pali Language Certificate course in Indian Culture and Spoken Sanskrit Diploma course on Sanskrit Vasthu Shashtra.
	Extension Education	Short term course in Scientific Writing	Collaboration with incubation centre of the university for startups
	C U Shah College of Pharmacy	B. Pharma M. Pharma	Certificate Course in Medical Writing, Certificate Course in Drug interaction, Certificate Courses in Geriatric Counselling Certificate Courses in Training in Sophisticated Analytical Instruments
Fine Art	Department of Drawing and Painting	Under Graduate program in Drawing and Painting. Post-Graduation program in Drawing and Painting.	Certificate courses in Warli painting. Certificate courses in Madhubani painting. Certificate courses in Tanjore painting. Certificate courses in Murals. Certificate course in Sculpture.

Performing Art	Department of Music	MA in Music	Certificate course in Drama and Theatre Diploma in Instrumental Music Diploma in light music Diploma in regional folk music. Certificate course in Marathi Folklore
	Dept Of Communication Media for Children	Short term courses in Video Production Short term courses in Editing Short term courses in Photography	Diploma in Media Production. Diploma in Editing Diploma in Photography
Tourism and Hospitality	Department of Resource Management	Short courses in travel & tourism	Certificate course in House Keeping Certificate course in Tourist Guides Certificate course in Ticketing
Any other art forms	Department of Food Science & Nutrition	Courses in fancy cookery Courses in traditional cookery	Certificate courses in Regional Cookery. Certificate course in Bakery & Confectionery. Certificate course in Food Processing. Certificate course in Food Preservation
	Department of Textile Science and Apparel Design	M.Sc in Textile Science and Apparel Design	Certificate courses in Tie and Dye. Certificate courses in Accessory Making. Certificate course in Handloom and Handicrafts