



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		SHIVAJI UNIVERSITY
Name of the head of the Institution		Devanand Shinde
Designation		Vice Chancellor
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		0231-2609494
Mobile no.		9028001068
Registered Email		iqac@unishivaji.ac.in
Alternate Email		rkk_eIn@unishivaji.ac.in
Address		Old Pune-Bengalore Road, Vidyanagar
City/Town		Kolhapur
State/UT		Maharashtra
Pincode		416004
2. Institutional Status		

University	State
Type of Institution	Co-education
Location	Rural
Financial Status	state
Name of the IQAC co-ordinator/Director	Prof. (Dr.) R. K. Kamat
Phone no/Alternate Phone no.	02312609087
Mobile no.	9028001068
Registered Email	iqac@unishivaji.ac.in
Alternate Email	rkk_eln@unishivaji.ac.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	_https://demo32.elementsoftware.in/default.aspx
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://demo32.elementsoftware.in/default.aspx

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B+	77.75	2003	21-Mar-2003	20-Mar-2008
2	B	2.85	2009	08-Mar-2009	07-Mar-2014
3	A	3.16	2014	10-Dec-2014	09-Dec-2019

6. Date of Establishment of IQAC

04-May-2011

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Meeting of IQAC	26-May-2020 1	17
Meeting of IQAC	21-Sep-2019 1	17
Meeting of IQAC	29-Jul-2019 1	16
ISO Audit Stage II Internal Auditors meeting	27-Aug-2019 1	13
ISO Audit Stage II HOD Meeting	27-Aug-2019 1	13
ISO Audit Stage II Opening Meeting	29-Aug-2019 1	20
ISO Audit Stage II Closing Meeting	30-Aug-2019 1	22
Departmental NAAC Coordinator Meeting for Criterion wise Information	15-Oct-2019 1	45
Departmental Placement officer Meeting	09-Jan-2020 1	21
NIRF Participation	14-Dec-2019 1	1
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Botany	MRP	Divisional forest officer (wild life) Mumbai	2019 1460	395000
Economics	MRP	ICSSR	2019 730	1000000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes

Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
12. Significant contributions made by IQAC during the current year(maximum five bullets)	
1. Online submission of institutional information for quality assessment (IIQA) to NAAC Bangalore. 2. Online submission of University Self Study Report to NAAC Bangalore. 3. Participation and submission of data for National Institutional Ranking Framework (NIRF) ranking. 4. Academic and administrative audit. 5. ISO 9001 2015 Surveillance Audit. 6. Departmental Presentation sessions. 7. Organization of NAAC workshop for Affiliated colleges/Institutions.	
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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year	
Plan of Action	Achivements/Outcomes
Academic and Administrative Audit	Domains specific Academic and Administrative audit were conducted.
Attinment of Outcomes	Data of examination results compiled by Examination Section for evaluation of attainments.
OBE Implementation	Vision, mission and the POs, COs, PSOs were reviewed.
NIRF Process	Participated in NIRF process and Rank between one hundred one to one hundred fifty position in University category in national level.
ISO Audit	ISO Audit of Academic and Administrative Department conducted
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14. Whether AQAR was placed before statutory body ?	Yes
Name of Statutory Body	Meeting Date
Management Council	25-Aug-2021
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to	Yes

AISHE:	
Year of Submission	2020
Date of Submission	21-Mar-2020
17. Does the Institution have Management Information System ?	No

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
MSc	205	Physics	18/06/2019
MSc	205	Mathematics	18/06/2019
MSc	205	Mathematics Tech.	18/06/2019
MSc	205	Chemistry	18/06/2019

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

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
LLM	Law	17/06/2019	519	17/06/2019
MA	Psychology	17/06/2019	434_128	17/06/2019
MA	Sociology	17/06/2019	434_129	17/06/2019
MA (Journalism)	Journalism and Communication	17/06/2019	418	17/06/2019
MA (Journalism)	Journalism and Communication	17/06/2019	407	17/06/2019
MA (Journalism)	Journalism and Communication	17/06/2019	436	17/06/2019

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MSc	Medical Information Management (CBCS)	26/09/2019

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MBA	Master of Business Administrative	17/06/2019
MSc	Master of Science	17/06/2019
MCA	Master of Computer Application	17/06/2019
MRS	Master of Rural Studies	17/06/2019
MEd	Master of Education	17/06/2019
MLibSc	Master of Library Science	17/06/2019
MJ	Master of Journalisum	17/06/2019
MSW	Master of Social Work	17/06/2019
MPA	Master of Performing Art	17/06/2019
LLM	Master of Laws	17/06/2019
BJ	Bachelor of Journalism	17/06/2020
BTech	Bachelor of Technology	17/06/2019
MA	Master of Arts	17/06/2019
MCom	Master of Commerce	17/06/2019

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Advanced techniques in Biochemistry	16/09/2019	29
Value-added Course on English Language and Literature Teaching Skills	01/10/2019	50
Short term course on Remote Sensing and GIS with Advanced Survey Technology (Geography)	23/11/2019	30
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MJ	Journalism	8
MCom	Commerce and Management	45
MEd	Education	4
MBA	Management	44
BEEd	Education	10
BJ	Journalism	42

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained

Shivaji University, Kolhapur has a formal mechanism to the feedback from students. The online feedback is taken from our students on their satisfaction about various parameters such as syllabus completion, teaching and the teacher's preparedness for the classes, initiatives take by their institution for their development etc. We have designed a special feedback form to measure the "Student Satisfaction". The online feedback form consists of questions related to syllabus completion, teaching and their teacher's preparedness initiatives take by their institution for their development etc. The students are asked to give their feedback on 0 to 4 likert scales. The collected feedbacks are analyzed and the report of the same is prepared. The appropriate actions are taken on suggestions received from students by conveying the same to concerned section, department and teachers. These suggestions related to the curriculum is incorporated while syllabus revision. The procedure for curriculum restructure and revision includes: (i) interaction of Board of Studies (BOS) members, subject experts, current and past students. (ii) suggestions are also taken from the external subject experts and the draft syllabus is prepared (iii) revision and finalization of syllabus is again done in the BOS meeting and forwarded to Academic Council for approval and final confirmation. The syllabus is so designed, that it will fulfill of current market requirements/demand and hence the student knowledge and employability will get boosted.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MBA	Master of Business Administrative	60	60	60
MSc	Biochemistry	28	342	28
MA	Economics	66	155	65
MA	English	66	126	68

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of	Number of	Number of	Number of	Number of
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	students enrolled in the institution (UG)	students enrolled in the institution (PG)	fulltime teachers available in the institution teaching only UG courses	fulltime teachers available in the institution teaching only PG courses	teachers teaching both UG and PG courses
2019	1360	3500	Nil	267	267

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
208	217	36	82	39	27

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

The Mentor-Mentee Scheme of Shivaji University for all the departments/schools was executed at individual departmental level. In the meeting of Management Council, it was also finalized that the action plan of Mentor-mentee scheme for individual department may be designed at the departmental level on their own too. Students admitted to various courses of each departments on campus were assigned to respective faculty since the commencement of course approximately 5 to 20 students were assigned to each faculty I) Purpose of Scheme : ? The mentor-mentee scheme is planned for the overall development of the students and to inculcate the values among them so as to be better citizens of the nation. II) Motive of the Scheme : ? To encourage every students for his/her holistic developments. ? To enable student to overcome the difficulties arising from time to time. ? To monitor and measure the progress of students. ? To develop the skills among the students for better citizens and to assist them to inculcate positivity in their knowledge and social conduct. ? To guide the students for their career, higher studies and possible placement avenues. III) Structure of the Scheme : ? The scheme commence from the beginning of the academic year. ? At the beginning of the semester, each department conducts meeting and introduces the guidelines of the scheme. ? The faculty members of respective department act as mentor to assigned students. ? The evaluation of the scheme is done at AAA audit of the department. ? Mentor-mentee meeting regularly takes place to address the various issues related to academic matters and personal level too. ? Mentor-mentee scheme includes the activities such as career guidance, psychological counseling guidance ,local guardian, personal reading, physical and health guidance, personality development etc. ? To encourage on campus departments, minimum Rs. 20,000/- is spent on mentor-mentee scheme by the university on each department per annum. IV) General action plan Almost all the aspired academic-entrants are mentored right from the entrance examination of the on campus course/ programme till the end of his/her programme by helping them to find their possible placement opportunities. Mentoring programme addresses and review as below : i) Mentoring for Academic matters of the students ? Counselling facility available for the aspirant students at the time of admission. ? Post admission guidance to choose proper courses available in CBCS ? Monitoring students to check the progression and placements avenues. ? Mentoring students for Preparation of UPSC, MPSC, NET and SET examinations. ii) Mentoring for Support Services in the Campus through Induction Programme ? Mentoring to acquaint the Welfare Schemes and Financial Assistance (Scholarships) ? Mentoring to address psycho-social issues. ? A special Counselor is provided to the girl students//room mates in the Ladies Hostels.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4860	267	1 : 18

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
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262	143	119	90	39
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2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Dr. Santosh Shashikant Sutar	Assistant Professor	'Prerana Puraskar 2019-20'
2019	Dr. Megha Pansare	Assistant Professor	1.STATE. Tarkateertha Laxmanshastri Joshi Award for Best Translation for book 'Soviet Russian Katha'. Citation, Memento 1,00,000/- Rs. Given by the State Government as Yashwantrao Chavhan Maharashtra State Literary Award - 2018.
2019	Prof. S. S. Chavan	Professor	Best Teacher, Shivaji University, Kolhapur
2020	Dr. Smita V. Katkar	Assistant Professor	Avishkar 2019-2020
2020	Prof. Jyoti P. Jadhav	Professor	Worlds TOP 2 Scientist
2020	Dr. M. K. Bhanarkar	Assistant Professor	Elevated Senior Member, IEEE
2019	Dr. Pramod N. Vasambekar	Professor	Recognition, Special Call Sign AU5JCB to celebrate Birthday of Acharya Jagdish Chandra Bose (Nov.23-Dec.11, 2019)
2019	Dr. Sumanta Dandapath	Assistant Professor	Geeta Mukhopadhyay Best PhD Thesis Award CSIR - National Institute of Oceanography (NIO), Dona Paula, Goa
2020	Dr. Tukaram D. Dongale	Assistant Professor	Young Associate, Maharashtra Academy of Sciences, India.
2020	Prof. P. S. Patil	Professor	From data base of

PLOS Biology
Stanford
University, USA
recognised as World
Top 2 Scientist in
the field of
Material Science

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BSc	298	Sem-VI	29/10/2020	10/11/2020
MSc	298	Sem-VI	29/10/2020	10/11/2020
MSc	205	Sem-IV	20/10/2020	10/11/2020
MSc	412	Sem-IV	20/10/2020	10/11/2020

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

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
198	12557	1.57

2.6 – Student Performance and Learning Outcomes

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

<http://www.unishivaji.ac.in/naac/Final-Cos-and-Pos-under-261-QLM>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
150	Mtech	Computer Science And Technology	1	1	100
149	BTech	Mechanical Engineering	55	54	98
149	BTech	Food Technology	61	60	98
149	BTech	Electronics & Communication Technology	37	26	70

149	BTech	Computer Science And Technology	64	61	95
149	BTech	Civil Engineering	53	48	91
149	BTech	Chemical Technology	75	65	87
1122	BJ	Journalism	8	6	75
1035	MLibISc	Library and Information Science	8	8	100
1034	BLibISc	Library and Information Science	21	19	90
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.unishivaji.ac.in/uploads/naac/2021/AQAR/august/Student%20Satisfaction%20Survey.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr. Sumanta Dandapath	Geeta Mukhopadhyay Best PhD Thesis Award CSIR - National Institute of Oceanography (NIO), Dona Paula, Goa	01/01/2020	Geeta Mukhopadhyay Best PhD Thesis Award CSIR - National Institute of Oceanography (NIO), Dona Paula, Goa
National	Dr. V. Y. Dhupdale	UGC STRIDE Component - I, Short Term Project	15/02/2021	UGC
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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
ICSSR Post Doctoral Fellowship	1095	ICSSR
CSIR Fellowship	1095	CSIR

NET- Junior Research Fellowship	1825	UGC
Dr. D.S. Kothari Post Doctoral Fellowship	1095	UGC
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	2020	DAE/DBT/SERB/ICSSR/MOEFCC/MPCB/ RGSTC/ Marathi Vishwakosh/UNICEF/ INSA/ CSIR / GIAN/ DST / YASHADA/ UGC-IUAC	21070434	37289271
Major Projects	2020	MSCW	50000	25000
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3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
One day workshop on Intellectual Property Rights	Balwant College, Vita	17/09/2019
Hands on Workshop on Patent Filing	Department of Computer Science	18/09/2019
One day workshop on IPR under FDP 2019	SGM College, Karad	20/09/2019
Introduction to Intellectual Property Rights	Rajashri Chhatrapati Shahu College, Kolhapur	08/02/2020
IPR and Patent Filing Process	D Y Patil College of Engineering and Technology	12/03/2020
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Deep Learning Model For Prediction of Diabetic Retinopathy	Manjiri M. mastoli	Avishkar	08/01/2020	PPG level
Simulation of	Smita V.	Avishkar	08/01/2020	PPG level

Randomly Textured Tandem Silicon Solar cells using Quadratic Complex Rational Function Approach along with Artificial Neural Network	Katkar			
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Shivaji University Centre for Innovation, Incubation and Linkages	Shivaji University, Kolhapur	Maharashtra State Innovation Society, Govt. of Maharashtra	Ice Cream Drink Shot	Food and Beverages	16/03/2020
Shivaji University Centre for Innovation, Incubation and Linkages	Shivaji University, Kolhapur	Maharashtra State Innovation Society, Govt. of Maharashtra	Keto Soup	Health Beverages	15/10/2019

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Physics	5
Botany	23
Environmental Science	1
Geography	15
Biotechnology	6
Statistics	5
Chemistry	34
AGPM	1
Mathematics	8
Computer Science	7
Microbiology	3
Zoology	11
Biochemistry	12
Electronics Engineering	2

Electronics Science	8
Civil Engineering	3
Chemical Engineering	1
Education	8
Journalism and Mass Communication	2
Library and information Science	2
Marathi	13
Hindi	10
English	18
Psychology	1
Political Science	7
History	2
Economics	5
Sociology	4
Accountancy	2
Business Economics	1
Commerce and Management	7
Business Management	4

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Commerce and Management	4	0
National	MBA	1	0
International	Biochemistry	28	2.4
National	Education	2	0
International	Education	1	6.24
International	Electronics	27	0
National	English	9	0
International	English	12	0
National	Geography	7	5
International	Geography	14	4.5
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Law	2
Biochemistry	8
Political Science	28
Computer Science	28

Sociology	17
History	10
Geography	21
Economics	13
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Performance evaluation of fixed and suspended anaerobic filter media of compacted sewage treatment processS. M. Bhosale, Ms. R. V. Pujari, Prajwal Kurle, Dr. A. B. More	Published	201921050639	20/12/2019
Improved rapid composting procedure with high nutrient using waste materials S. M. Bhosale, Dipak D. Kokare, Prof. P. D. Raut, Mrs. Pragati A. More	Published	201921050753	20/12/2019
Use of natural coagulants for primary treatment of dairy wastewater S. M. Bhosale, P. D. Sutar, Dr. Mohit Dhiman, Dr. Ashok B. More	Published	201921050680	20/12/2019
Microwave Device For Measuring Water Content Of Soil Dr. U.L. Bombale, Dr. S.B. Sadale	Published	2019/21053639	03/01/2020
A Method To Predict Efficiency Of Tandem Silicon Solar Cell Using Artificial Neural Network (ANN) Mrs. Smita V. Katar, prof. R.K.kamat, Mr. Kabir .G. Kharade, Dr. Shivaji . B. Sadale	Published	2019/21053638	03/01/2020
Secure Routing	Published	2019/21053631	03/01/2020

Protocol For Mobile Ad-Hoc Network (MANET) Dr. Sheetal Sachin Gaikwad, Dr. Vijay ram ghorpade, prof.(Dr) Rajnish kamalakar kamat, Dr. Shivaji babso sadale			
ANN Based Method For Prediction And Efficiency Of Czts Solar Cells, Mr. Kabir gajanan kharade, Prof. (Dr) Rajnish kamalakar mamat, Mrs. Shraddha kabir kharade, Prof. (Dr) Ravindra ramchandra mudhlkar, Dr. Shivaji babso sadale	Published	2019/21053629	03/01/2020
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Amyloid beta pepti de-degrading microbial enzymes and its im plication in drug design	Dhanavade, M. J., Sonawane, K. D.	3 Biotech	2020	0	aStructu ral Bioinf ormatics Unit, Department of Biochem istry, Shivaji Un iversity, Kolhapur, Maharashtra a 416004, India bDep artment of Microbiolo gy, Shivaji Un iversity, Kolhapur, Maharashtra a 416004, India	Nil
Role of cell surface	Kavathekar, V. K., Dhanavade,	Virus Research	2020	2	aNational Institute	2

<p>vimentin in Chandipura virus replication in Neuro-2a cells</p>	<p>M. J., Sonawane, K. D., Balakrishnan, A</p>				<p>of Virology, Kerala Unit, TDMC Hospital complex, Vandanam, Alappuzha, Kerala 688005, India Department of Biochemistry, Shivaji University, Vidyanagari, Kolhapur, Maharashtra 416004, India</p>	
<p>Role of Wybutosine and Mg²⁺ Ions in Modulating the Structure and Function of tRNAPhe: A Molecular Dynamics Study</p>	<p>Fandilolu, P. M., Kamble, A. S., Dound, A. S., Sonawane, K. D.</p>	<p>ACS Omega</p>	<p>2019</p>	<p>2</p>	<p>Structural Bioinformatics Unit, Department of Biochemistry and Department of Microbiology, Shivaji University, Kolhapur 416004, Maharashtra, India.</p>	<p>2</p>
<p>Evaluation of drug candidature: In silico ADMET, binding interactions with CDK7 and normal cell line studies of potentially anti-breast cancer enantiomers.</p>	<p>Bansode, P., Anantacharya, R., Dhanavade, M., Kamble, S., Barale, S., Sonawane, K., Rashinkar, G.</p>	<p>Computational Biology and Chemistry</p>	<p>2019</p>	<p>2</p>	<p>Department of Chemistry, Shivaji University, Kolhapur, 416004, M.S., India, Department of Pharmaceutical Chemistry, Kuvempu University, Post Graduate Centre,</p>	<p>1</p>

					Kadur, 577548, Karnataka, India, Department of Microbi ology, Shivaji Un iversity, Kolhapur, 4	
Novel One Step S onosynthes is and Deposition Technique to Prepare Silver Nan oparticles Coated Cotton Textile with Antib acterial Properties	Patil, A. H., Jadhav, S. A., More, V. B., Sonawane, K. D., Patil, P. S.	Colloid Journal	2019	3	Department of Physics, Shivaji University Kolhapur, Vidyanagar Kolhapur, Maharashtr a 416004, India, School of Nanoscienc e and Tech nology, Shivaji University Kolhapur, Vidyanagar Kolhapur, Maharashtr a 416004, India, Department of Microbi ology, Shiva	2
Antibiotic resistance and inhibition mechanism of novel a minoglycos ide phosph otransfera se APH (5) from B. subtilis subsp. subtilis strain RK	Parulekar, R. S., Barale, S. S., Sonawane, K. D.	Brazilian Journal of Microbiolo gy	2019	1	Department of Microbi ology, Shivaji Un iversity, Kolhapur, Maharashtr a (M.S.) 416004, India. bSt ructural B ioinformat ics Unit, Department of Biochem	Nil

					istry, Shivaji Un iversity, Kolhapur, Maharashtr a (M.S.) 416004, India	
Peptide Similarity Search Based and Virtual Screening Based Strategies to Identify Small Molecules to Inhibit CarD-RNAP Interactio n in M. tu berculosis	VG Shanmuga Priya, Priya Swam inathan, Uday M Muddapur, Prayagraj M Fandilolu, Rishikesh S Parulekar, Kailas D Sonawane	Internat ional Journal of Peptide Research and Therap eutics	2019	4	Department of Biotech nology, KLE Dr. M. S. Sheshgiri College of Engineerin g and Tech nology, Belagavi, Karnataka, India. bDe partment of Biotech nology, SRM Univer sity, Katt ankulathur , Chennai, Tamil Nadu, India. cDe partment of Biotech nology, B.V.B Col	2
Mitigation of salinity stress in plants using plant growth promoting bacteria.	Bhise KK, Dandge PB	Symbiosis	2019	2	Department of Microbi ology, Shivaji Un iversity, Kolhapur, Maharashtr a 416004, India bDep artment of Biochemist ry, Shivaji Un iversity, Kolhapur, Maharashtr a 416004, India	2
Single step green	Patil, Aravind	The Journal of	2020	2	Department	1

process for the preparation of antimicrobial nanotextiles by wet chemical and sonochemical methods	H., Shushi lkumar A. Jadhav, Kuldip D. Gurav, Shailesh R. Waghmare, Gajanan D. Patil, Varsha D. Jadhav, Sh irishkumar H. Vhanbatte, Pradyumna V. Kadole, Kailas D. Sonawane, and Pramod S. Patil	The Textile Institute			of Physics, Shivaji University Kolhapur, Kolhapur, India bSchool of Nanoscience and Technology, Shivaji University Kolhapur, Kolhapur, India cDepartment of Botany, Shivaji University Kolhapur, Kolhapur, India dDepartment of Microbiology,	
Effect of salinity on the morphological, physiological and biochemical properties of lettuce (Lactuca sativa L.) in Bangladesh	Sium Ahmed, Shawon Ahmed, Swapan Kumar Roy, Sun Hee Woo, Kailas Dashrath Sonawane, Abdullah Mohammad Shohael	Open Agriculture	2020	4	Department of Biotechnology and Genetic Engineering, Jahangirnagar University, Savar, Dhaka, 1342, Bangladesh bDepartment of Crop Science, Chungbuk National University, Chungdae-ro, Seowon-gu, Cheongju, Chungbuk, 28644, South Korea cDepartment of	4

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Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A protein ?-amylase inhibitor from Withania somnifera and its role in overall quality and nutritional value improvement of potato chips during processing.	Sainath S. Kasar, Ashok P. Giri, Pankaj K. Pawar and Vijay L. Maheshwar	Food and Bioprocess Technology	2020	13	3	Department of Biochemistry, Shivaji University, Kolhapur - 416 004
Nanocurcumin modulates ultramicroscopic changes in the b-cells of pancreas in diabetic mice	Potphode N.D, J.A Daunde Nimbalkar M. S. Candrashekhar Sagar B. K Walvekar, M. V.	International journal of pharma and biosciences	2020	6	Nil	Department of Zoology, Shivaji University, Kolhapur
A review of spinel-type of ferrite thick film technology : fabrication and application	Sanjeev P. Dalawai, Surender Kumar, Mohamed Aly Saad Aly, Md. Zaved H. Khan, Ruimin Xing, Pramod N. Vasambekar, Shanhu Liu	Journal of Materials Science: Materials in Electronics	2019	23	2	Department of Electronics, Shivaji University, Kolhapur
Effect of ?-amylase inhibitor from	Sainath S. Kasar, Vaibhav B. Sabale, Rani A.	Archives of Phytopathology and Plant Protection	2020	18	Nil	Department of Biochemistry, Shivaji Un

Withania somnifera on growth and development of Callosobruchus chinensis and in silico studies on its interactions with insectamylase.	Shinde , Vijay L. Maheshwari Pankaj K. Pawar					iversity, Kolhapur - 416 004
Hydrophytic plants Cannabindica, Epipremnum aureum, Cyperus alternifolius and Cyperus rotundus for phytoremediation of fluoride from water.	Rahul V. Khandare, Anupreeta D. Watharkar, Pankaj K. Pawar, Anil A. Jagtap and Neetin S. Desai	Environmental Technology and innovation	2020	14	Nil	Department of Biochemistry, Shivaji University, Kolhapur - 416 004
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	68	107	31	38
Presented papers	61	66	15	3
Resource persons	36	98	45	59
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Prof. K. D. Sonawane	Antimicrobial testing for research project work of DKTE College, Ichalkaranji	-	2100

Dr. Bharati Patil	Gender Audit	Smt. Sharadabai Govindrao Pawar Adhyasan	15000
Dr. K.K. Sharma, School of Nanoscience and Biotechnology.	Development of Nexar Polymer Nanocoatings	KRATON POLYMERS, USA	452423
School of Nanoscience and Biotechnology	Instruments (NIFC) Facility Charges	Multiple	63150
Dr. K.K. Sharma, School of Nanoscience and Biotechnology.	Product Development Validation of Virus Kavach Fabrics Technology	Ecoscience Innovations Pvt. Ltd., Pune Maharashtra, India	100000
PIFC	PIFC	Shivaji University, Kolhapur	620900
Dr. A. D. Jadhav and Dr. V. S. Manne Department of Zoology,	Integrated Sericulture Farming	ICAR, Agriculture Skill Council of India, Govt. of India	10000
Consultancy services Biotechnology	Sample analysis and data interpretation	-	63000
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Department of Foreign Languages	A Crash Course in Japanese Language and Culture (50 Hours)	-	25000	5
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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Road Safety Campaign / Camp	RTO Govt. of Maharashtra and Shivaji University, Kolhapur Affiliated Colleges and University Departments	164	11000

Eye Check-up during NSS Specail Camps held at adopted Villages	Shivaji University, Kolhapur Affiliated Colleges and University Departments	168	9300
Health and Dental Check-up during NSS Specail Camps held at adopted Villages	Shivaji University, Kolhapur Affiliated Colleges and University Departments	172	12500
Voter Awareness Programme	Election Commission and Shivaji University, Kolhapur Affiliated Colleges and University Departments	180	9350
School Dropout Survey Programme	Education Department of Local Government body and Shivaji University, Kolhapur Affiliated Colleges and University Departments	9	2869
Self Defence Training for Girls	Shivaji University, Kolhapur Affiliated Colleges and University Departments	30	1500
Disaster Management Training	Shivaji University, Kolhapur Affiliated Colleges and University Departments	18	4900
Tree Plantation Programme	Shivaji University, Kolhapur Affiliated Colleges and University Departments	119	11900
Blood Donation Programme	Shivaji University, Kolhapur Affiliated Colleges and University Departments	105	10850
University level NSS Special (7 days Resedential) Camps	Shivaji University, Kolhapur Affiliated	33	3439

Colleges and
University
Departments

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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
National Service Scheme Best NSS Programme Officer Award - 2019-20	Prof. Dhanajay Natha Lohar, Shrimant Babasaheb Deshmukh Mahavidyalaya, Atpadi Dist Sangli	Ministry of Higher and Technical Education, Govt. of Maharashtra	1
National Service Scheme Best NSS Volunteer Award - 2019-20	Miss. Aishwarya Aakaram More, Vivekanand College, Kolhapur	Ministry of Higher and Technical Education, Govt. of Maharashtra	1
National Service Scheme Best NSS Unit - 2019-20	Shrimant Babasaheb Deshmukh Mahavidyalaya, Atpadi Dist Sangli	Ministry of Higher and Technical Education, Govt. of Maharashtra	200

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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
National Service Scheme	NSS Regional Directorate, Govt.of India and Shivaji University, Kolhapur	Ek Bharat Shreshtha Bharat Activity	3	160
National Service Scheme	NSS Regional Directorate, Govt.of India and Shivaji University, Kolhapur and Rotary Club of Kolhapur and Kolhapur Municipal Corporation, Kolhapur	FIT INDIA - Plogging Run	21	499
National Service Scheme	NSS Regional Directorate, Govt.of India and Shivaji	District Youth parliament at Kolhapur, sangli, satara	16	80

	University, Kolhapur			
National Service Scheme	Forest department sahyadri Tiger Reserve, Shivaji University NSS (DOT Unit)	Shyadro Tiger Reserve Foundation Day	4	68
National Service Scheme	Collector Office Kolhapur, Sangli and Satara and Shivaji University, Kolhapur	Flood Relief and Post Flood Management Activities (Mass Cleanliness after flood)	56	1340
National Service Scheme	Forest department sahyadri Tiger Reserve, Shivaji University NSS (DOT Unit)	Forest Week	6	300
National Service Scheme	NSS Regional Directorate, Govt.of India and Shivaji University, Kolhapur and Rotary Club of Kolhapur and Kolhapur Municipal Corporation, Kolhapur	Swacchata Abhiyaan - Swachhta Shapath - Oath, Seminars and Discussions	230	33000
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
International Conference in collaboration with D R K College of Commerce, Kolhapur	153	Registration Fee	2
International Conference in collaboration with S G M College, Karad	121	Registration Fee	1
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research

facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Online Distance Learning Programme	Coordinated the online training courses Distance Learning Department, IIRS, Dehradun	IIRS, Dehradun	09/12/2019	20/12/2019	20
Online Distance Learning Programme	Coordinated the online training courses Distance Learning Department, IIRS, Dehradun	IIRS, Dehradun	26/05/2020	30/05/2020	11
Online Distance Learning Programme	Coordinated the online training courses Distance Learning Department, IIRS, Dehradun	IIRS, Dehradun	13/04/2020	25/04/2020	11

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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
The Veer Surendra Sai University of Technology Burla, Sambhalpur, Orrissa India	17/01/2020	This Mou signed under Ek Bharat shreshta Bharat Scheme for Cultural exchange between two states	116
DESICOLAB, Pune	31/12/2020	Collaboration, Research and Training	28

Maharashtra Rajya Vishwakosh Nirmiti Mandal	06/11/2020	Online Kosh Marathi Dnyan Mandal	40
Cazan Catsol Private Limited	19/08/2019	Development of Fireside additives for the boilers using baggasse and spent wash as fuel. Activities Joint or cooperative projects Exchanges of of Technical and RD information Exchange of Researchers Joint lectures and Seminars	1
Maharashtra Rajya	29/12/2019	The Department of History Coordinates the efforts of scholars and research students to online Marathi Vishwakosh (Encyclopedia) The aim and objective of the Marathi Vishwakosh is to provide authentic and verified summaries of knowledge from all field	50
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
8493.98	4523.71

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Nill	Existing

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Libsys 4 standard edition with web OPAC	Fully	LibSys 4 Release 5.7.1	2020

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	8193	3292986	272	283724	8465	3576710
Reference Books	8567	4958350	51	215514	8618	5173864
e-Books	462	3183342	116	1205797	578	4389139
Journals	451	885230	75	281410	526	1166640
e-Journals	227	6928838	12	492459	239	7421297
Digital Database	29	16418218	15	23084995	44	39503213
CD & Video	1836	Nill	13	Nill	1849	Nill
Others(s pecify)	17961	Nill	2816	Nill	20777	Nill
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Urmila R. Pol	Android Studio	Moodle, You Tube	22/07/2019
Prof. Dr. P. S. Patankar	Neuroscience of Teaching	Youtube	03/02/2020
Dr. V. S. Khandagale	Tools for Research	Youtube	01/02/2020
Dr. P. N. Vasambekar	Landing Systems and Hyperbolic Navigation	Moodle	13/04/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	2471	3	40	1	10	1	34	1	10
Added	29	0	0	0	0	0	2	0	0
Total	2500	3	40	1	10	1	36	1	10

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

1 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Media centre	http://www.unishivaji.ac.in/dptmusicdrum/Photo-Gallery
Recording facility	http://www.unishivaji.ac.in/dptmusicdrum/Photo-Gallery
Lecture Capturing System	http://www.unishivaji.ac.in/dptmusicdrum/Photo-Gallery

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
712.18	49708894	5285.53	350967713

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Engineering Section of the University with the help of its staff and agencies appointed by University authorities undertake the maintenance of overseeing the infrastructural facilities within the campus. The MAINTENANCE POLICY is developed by the university and the same is uploaded as additional information. The salient features of maintenance of infrastructure are stated here. University Engineer fulfils the suggestions received from the heads of the department from time to time regarding the requirements of the laboratories in the concerned departments, depending on the availability of the funds. The maintenance of the buildings, classrooms, etc. is looked after by the Engineering Section. Engineering Section has taken the initiatives for the renovation as per the suggestions given by the various authorities and the departments/sections of the university from time to time as per their requirements. Improvement in physical ambience is a routine procedure. Landscaping is carried out at guest house, administrative building and other buildings. The road side trees are trimmed and groomed regularly not only to improve the ambience but also to increase visibility on the roads during night time. Due care is taken about internal and external appearance of the departments and administrative buildings by painting them at regular intervals. Many varieties of ornamental and medicinal plants are maintained by the garden section. The infrastructure (Buildings/ Electrification/ other civil work) facilities are maintained by the Engineering Section. The Performa of complaint for daily maintenance is designed by the section, which has to be initiated by the user departments. The quick response time can be seen from the record maintained by the section. The maintenance of air conditioners, PCs etc. is being done in house by the Computer Centre. The security, garden maintenance, housekeeping services are outsourced for maintaining the campus safe, secure, neat and clean, environment friendly, which avoids the litigations. Most of the costly equipment in the USIC/CFC are maintained under AMC, mostly from the vendor.

http://www.unishivaji.ac.in/uploads/bcud/2020/policy/1%20Maintenance%20manual_compressed.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION**5.1 – Student Support**

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Shivaji University Merit Scholarship	461	2990000
Financial Support from Other Sources			
a) National	Governement of India (GOI) Post_Matric Scholarship to SC Students	374	2117472
b)International	0	Null	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
UGC Scheme of Remedial Coaching for SC/ST/OBC (Non Cremy-Layer) and Minority Community Students	04/11/2019	399	UGC
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	UGC Coaching Scheme for Entry into services for SC/ST Minority Communities Students	100	100	4	4
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal

Nil

Nil

Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Job Skill Fair For Persons with Disabilities (Total 6 Organizations participated in the job fair.	291	142	ITM Skill Academy	627	116
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	1	BLISC	Library and Information Science	Abasaheb Garware College, Pune	MLISC
2020	10	BLISC	Library and Information Science	Shivaji University, Kolhapur	MLISC
2020	5	LL.M.	Law	Shivaji University	Ph.D. in Law
2020	7	BJ	Dept. of Journalism and Mass Communication	Dept. of Journalism and Mass Communication	MJ
2020	4	MA/MSc	Geography	Bhartidasan University, Tiruchirappalli, Tamil Nadu.	M. Tech. Geoinformatics
2020	1	M. A.	English	School of Humanities and Social Sciences, IIT, Goa	Ph. D.
2020	11	M. A.	English	Department of English, Shivaji University,	Ph. D.

				Kolhapur	
2020	3	Education	Department of Education	Shivaji University Kolhapur	Ph.D.
2020	2	M.Sc	Biochemistry	NCL, Pune	Ph.D
2020	50	M.Com.	Commerce and Management	Shivaji University, Kolhapur	Ph.D.
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	43
SET	60
GATE	16
GRE	2
Civil Services	1
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Youth Festival	District	2434
Central Youth Festival	University	1442
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	Silver Medal	National	13	Nil	Nil	Yedekar Vipul Prashant, Shinde Pra thamkumar Ravindra, Jakate Girish Vaibhav, Patil Moreshwar Rajendra
2020	Bronze Medal	National	21	Nil	Nil	Angal Aditya Atul, Jadhav Dhananjay

Rajaram,
Sanas
Prasad
Rajendra,
Jadhav
Pratik
Raju,
Desai
Aditya
Jitendra,
More
Prathamesh
Sadashiv,
Naik
Rajwardhan
Jaisingh,
Naik Harsh
wardhan
Jaisingh

2020

Gold
Medal

National

8

Nill

Nill

Chavan
Bharat
Fattu,
Shri.
Sargar
Sanket
Mahadev,
Shri.
Walke
Akshay
Hariba,
Shri.
Patil
Santosh
Sambhaji

2020

Mime -
II Prize

National

Nill

7

Nill

Pranaya
Rajendra
jagdale,
Priyanka
Gaovind
Walkoli,
Mrunali
Shriram
Nilakhe,
Akshay
Sadashiv
Hande, Vij
ayalaxmi
Kumbhar,
Pradeep
Kumbhar,
Priyanka
Kadam.

2020

Western
Group Song
- II Prize

National

Nill

6

Nill

Charukeshi
Umesh
Chavan,
Pathamesh

D. Patil,
Sumant
Sanjay
Kulkarni,
devyani
Shriram
Joshi,
Rasika
Zavare,
Omkar
Dahanji
Patil.

2020

Western
Vocal
Solo- II
Prize

National

Nil

2

Nil

Charukeshi
Umesh
Chavan,
Rushikesh
Dhananjay
Gurav.

2020

Classical
Vocal
Solo- II
Prize

National

Nil

1

Nil

Omkar
Dhanaji
Patil

2020

Procession
Rally - II
Prize

National

Nil

30

Nil

Shalaka
Potanis,
Pranya
Rajendra
Jagdale,
Priyanka
Walkoli,
TABassum
Sayyad,
Murnali
Shriram
Nilakhe,
Charukeshi
Chavan,
Mrunalini
Ranware,
Rutuja
Shikhare,
Nitin
Shinde,
Samarth
Javir,
Rajendra
Gholap,
Prathamesh
Patil.

2020

Folk
Dance - Co
nsolation

National

Nil

13

Nil

Pranya
Jagdale,
Priyanka
Walkoli,
Tabssum
Sayyad,

						Murnali Nilakhe, Raturaj Shedbale, Ankita Mhaishale, Nitin Shinde, Samarh Javir, Rajendra Gholap, Prachi Bhilare, Shital Shinde, Savitri Jagatap.
2020	Poster Making	Internat ional	Nil	1	Nil	Karan Dipak Ayarekar.
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

As per the Maharashtra Public Universities Act, 2016 There shall be a University Students Council as specified in clause (b) of sub-section (4), a university department Students Council for the departments of the university and a college Students Council for each conducted college or institution of the University and each affiliated college, to look after the welfare of the students and to promote and co-ordinate the extra-curricular activities of different students associations for better corporate life. The Councils shall not engage in political activities. (2) The University Department Students Council shall consist of the following members, namely :- (a) President, elected by an electoral college consisting of students who are engaged in full time studies in all university departments (b) Secretary, elected by an electoral college consisting of students who are engaged in full time studies in all university departments (c) one lady representative, elected by an electoral college consisting of students who are engaged in full time studies in all university departments Purchase Committee. Students Council. (d) one representative belonging to Scheduled Castes or Scheduled Tribes or De-notified Tribes (VimuktaJatis) or Nomadic Tribes or Other Backward Classes, elected by an electoral college consisting of students who are engaged in full time studies in all university departments (e) one student from each department, elected by an electoral college consisting of students who are engaged in full time studies in that department (f) one student each from (a) National Service Scheme, (b) National Cadet Corps, (c) Sports and (d) Cultural activities, nominated by the Vice-Chancellor from the students who are engaged in National Service Scheme, National Cadet Corps, Sports and Cultural activities, respectively, on the basis of prescribed criteria

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

In order to establish mutually beneficial relationship between University and its alumni, Shivaji University Alumni Association (SUAA) was established and

registered under the Societies Registration Act, 1860. Major Platforms where the university Alumni are engaged 1. General Alumni Meets and Department-wise Alumni meets are arranged every year to promote and foster mutually beneficial interaction between the Alumni and the University. 2. A large number of invited talks/ guest lectures/career guidance sessions are conducted in various departments and at University Level by distinguished alumni of the University. 3. Employability has recently been a matter of immense importance for every academic Institution. The strong alumni network of the university has proved to be powerful tool for providing employment to the students. Alumni are continuously helping for the placements of the students in various National and Multi-National companies/organizations/industries. 4. Alumni have been actively involved in imparting skills (Soft skills, life skills), career guidance through various Skill fairs, Campus to corporate programs and invited lectures. 5. The association has taken continuous efforts to conduct various activities from Corporate Society Responsibility (CSR) Fund through the help of alumni. 6. The association has actively involved in raising corpus fund for various welfare and other schemes in the University. 7. Alumni form the active members of University-Industry Interaction Cell and many committees as well as bodies and contribute in review and development of the curriculum. This helps in keeping curriculum and teaching pedagogies align with standard and requirements of the industry. Owing to their representation on the various bodies, they significantly contribute in various reforms/policies/initiatives. 8. Every year, the association collects Alumni Feedback and conveys their valuable inputs, remarks, suggestions and concerns to the University. University has a structured mechanism to evaluate feedback. University takes necessary measures on feedback and conveys action taken report to the association. 9. Alumni form active members of IQAC at various levels. Their inputs are very significant in bringing developments and quality enhancements. 10. Large number of alumni are involved in supporting various activities through non-financial means. A large number of departmental libraries are being set up with the help of books provided by Alumni. 11. A number of scholarships/prizes/awards/lecture series are sponsored by alumni.

5.4.2 – No. of registered Alumni:

53

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1. General Alumni Meets and Department-wise Alumni meets are arranged every year to promote and foster mutually beneficial interaction between the Alumni and the University. 2. A large number of invited talks/ guest lectures/career guidance sessions are conducted in various departments and at University Level by distinguished alumni of the University. 3. Alumni form active members of IQAC at various levels. Their inputs are very significant in bringing developments and quality enhancements.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Shivaji University, Kolhapur (SUK) promotes practices of decentralization in decision making process, the vision and mission reflect distinctive characteristics truly reflected in its policies. High quality educational programmes and best practices are being implemented keeping in mind the policy

of uncompromising adherence to the values and principles, proactive, learner centric and responsiveness to the societal needs. Vice-Chancellor is the principal academic and executive officer. Pro-Vice-Chancellor, Registrar, Director, Examinations and Evaluation, Finance and Accounts Officer and other administrative and academic functionaries carry out the academic and administrative activities of the University as per directives of Vice Chancellor. Policy decisions are taken by the authorities and bodies as per Maharashtra Public Universities Act 2016 and the same are implemented by Officers of the University at various levels. Internal coordination, monitoring mechanism and participatory management helps to improve and enhance the overall quality of functioning of the University. The university is awarded by ISO 9001:2015 standards in the recent past. SUK has prepared a five years Perspective Plan for the year 2019-20 to 2023-24, prepared in tune with the vision and mission. It envisages different key areas like GER, Inclusivity, Equity, Quality, Industry Linkages, Regional Development, Skill and Entrepreneurship, Cultural, Sports Activities and Focus on Students' Welfare. Strategies and mode of implementation are also elaborated which are guiding the future roadmap. SUK promotes a culture of participative management. Teachers participate in decision making process through various academic bodies like Senate, Management Council, Academic Council, Faculties, Student Welfare, Dean and Board of Studies comprising of elected members as per the Maharashtra Public Universities Act, 2016 having representatives from each faculty, women, college, university department and reserve category teachers. The mechanisms like, IQAC, Innovation incubation Linkages, Skill entrepreneurship, NSS, Earn Learn scheme to encourage the learners are formulated to attain the mission and vision of the university. Director of NSS, Director of Student Development Centre, Director of Technology and others. Departmental Placements officers and other five members constituted Organising Committee. There were eight members in the registration committee including administrative staff. Campus interviews of the different companies were arranged in the different departments as per the requirements of these companies and these were coordinated by the different committee members. Skill development programmes comprising of Interview Techniques, ICT skills, Group discussion, positive thinking skills, resume writing, tax practice and many more were conducted on the same day at the convocation hall and in some departments to get the students ready for the interviews. This mega event was well organised and systematically managed by the committee members comprising of teaching and administrative staff and personally mentored and supervised by Vice-Chancellor, Pro-Vice-Chancellor, Registrar and Management Council Members.

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

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Human Resource Management	The establishment section of the university acts and perform the functioning of HRD. - Thrust areas are identified on the basis of expertise available and the research work in the Departments. - Appointment of the teachers in support of the thrust areas. - Promotion of teachers under CAS.
Teaching and Learning	University prefers in consultation

with all the department the academic calendar to regulate the teaching learning and evaluation programs. The following innovative teaching approaches/ methods/practices adopted by the faculty in the Departments.

- e-learning
- Think pair share among the students e.g. lab work, computer work, assignment, library work,
- Group discussion
- Poster Sharing among the research
- Brain storming on issues/problems students, special
- Panel discussions
- Seminar presentations
- Concept mapping by the students and teachers
- Blended learning (multiple use of learning strategies and styles)

There is a positive impact on the students with these methods adopted in teaching-learning activities. The impact is measured on the basis of participatory approach by the teachers, students' vertical advancement, their involvement in academic and research programmes and performance in various examinations and placements.

Examination and Evaluation

Strategy Type - Admission of Students :- Admission Section of the University with consultation of admission committee carried out the centralized admission process.

1. Wide publicity to the admission process through notification and advertisement in local and national newspaper and on the University Website,
2. Entrance tests are conducted at various centres,
3. Merit list is displayed on the University Website,
4. Three admission round are scheduled for each round a list of candidate is displayed two days before on the Website,
5. The State Govt. reservation policy is strictly adhered to,
6. Eligibility of the students at the entry level is certified by the University,
7. Online application forms for all PG courses,
8. Reserved quota for other University and foreign students in the admission
- 10 to 20 over and above the quota.

Examination and Evaluation : The important examination reforms initiated by the university both for university deptts. and affiliated colleges are indicated below :

1. Continuous Internal Evaluation and Semester end examination,
2. e-Suvidha - Digital University Digital College (DUDC),
3. Secured Remote Paper Delivery (SRPD)

mode system, 4. Online application for convocation, 5. Decentralization of examination. The examination section follows the schedule of paper-setting, printing of question papers through RBI recognized printing press, coding, evaluation, decoding and declaration of results. These reforms are implemented fully. The results are declared as per the schedule. The average time for declaration of results of examination is 30 days. Average time taken for the university departments is less than 30 days. Shivaji University has a very good track record of declaring more than 70 results within 30 days. University arranges a special assessment programme in case of delay. The results are declared on university website and notice boards.

Admission of Students

Admission section of the university with consultation of admission committee carried out the centralized admission process. 1. Wide Publicity to the admission process through notification and advertisement in local and national newspaper and on the University website. 2. Entrance Tests are conducted at various centres. 3. Merit List is displayed on the University Website. 4. Three admission round are scheduled for each round a list of candidate is displayed two days before on the website. 5. The state government reservation policy is strictly adhered to. 6. Eligibility of the students at the entry level is certified by the University. 7. Online application forms for all PG courses. 8. Reserved quota for other university and foreign students in the admission 10 to 20 over and above the quota.

Library, ICT and Physical Infrastructure / Instrumentation

The library houses 83 computers with high internet bandwidth of 20MBPS leased line and additional downloading of e-information (online/offline). LibSys integrated library software has been installed for library automation and the bibliographic information about the collection is made available on internet through library OPAC/Web OPAC system. Four separate OPAC nodes are operating for public access at the ground floor, near the entrance of the library and also OPAC facility is made accessible through campus LAN at all the departments. A series of printers

such as Dot Matrix/Laser and Ink-jet printers are housed in the library. Well designed library website/portal facilitates the overall information about the library and links to various e-resources/contents. The library has downloading facility for students and faculty with instrumental devices such as database server, internal/external storage devices like hard disk, CDs/VCDs, scanner, printer and digital camera are available for storing the information available in textual, image, graphic, audio, video/multimedia formats. Surveillance system such as CC TV and biometric equipment are also housed at different sections of the library for security of the material. University Library has institutional membership to several organizations for sharing e-resources such as INFLIBNET Centre Gandhinagar, British Council, Association of Indian Universities, New Delhi, Association of commonwealth Universities, U.K., Current Science Association, Bangalore and GDNET (Global Development Network). Library has developed institutional repositories and planned for Content management system for the users. Necessary physical infrastructure such as Academic Resource center, terrace reading hall, Ramp and Resource Centre for Inclusive Education for disabled students/faculty, extension of library building, adequate drinking and sanitary facilities etc. are provided by the library. The rare archival materials are stored in compact storage system.

Industry Interaction / Collaboration

We have been implemented the following strategies for quality improvement under University-Industry Interaction Centre (UIIC) 1. PG students have been visited to the various industries not only to know about the industrial processes going as well to undertake the various training/projects as a part of curricula for experiential learning. 2. Faculty members have been running the different research project for solving the laggings in present state of art in relation to their industrial endeavors. In addition, these different projects have been supported financially by the funding agency like DST, DBT, UGC, RGSTC, etc. 3. The different

departments have been signed MoU with the representative industries or companies for the mutual benefits.

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

E-governance area	Details
<p>Planning and Development</p>	<p>For planning and development a perspective plan milestones have been set up by the university. The statutory bodies such senate, Management Council, Board of Deans, Board of Examination and Evaluation are promoting students centric activities for on campus department and affiliated colleges.</p>
<p>Examination</p>	<p>The important examination reforms initiated by the University both for University Departments and affiliated colleges are indicated below : 1. Continuous Internal Evaluation and Semester end examination, 2. e-Suvidha-Digital University Digital Colleges (DUDC), 3. Secured Remote Paper Delivery (SRPD)mode system. 4. Online application for convocation (Shiv-Dikshant) with grievance redressal mechanism. 5. Online web-based Photo Application module 6. Decentralization of CAP Centers. The examination Section follows the schedule of paper-setting, printing of question papers through RBI recognized Printing Press, coding, decoding, evaluation, and declaration of results. These reforms are implemented fully. The result are declared as per the schedule. The average time for declaration of results of examination is 30 days. Average time taken for the University Department is less than 30 days. Shivaji University has a very good track record of declaring more than 70 results within 30 days. university arranges a special assessment program in case of delay. The results are declared on University website and notice boards.</p>
<p>Student Admission and Support</p>	<p>Admission Section of the university carried out centralized admission process and adopted online entrance examination for most of the programs of UG and PG departments. All the details are made available on university web portal under Admission link.</p>
<p>Administration</p>	<p>As per the provision of Maharashtra Public Universities Act 2016 the various administrative section of the university are looking after for the</p>

	smooth of conduct administration.
Finance and Accounts	Finance and Accounts section of the University works for all the financial transactions of university. Automation of all financial transactions i.e. Receipt, Payment, preparation of budget, Annual Accounts etc. is done. For this, Finance and Accounts System (FAS) has been developed. All tenders are floated through e-tender system. Maximum use of e-governance is done in Finance and Accounts Section.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr. Mali Nitin Chandrakant	2019 IIM indore - NASMEI Summer Marketing Information Systems Conference at - Indore 26/7/2019 from to 28/07/2019	2019 IIM indore - NASMEI Summer Marketing Information Systems Conference at - Indore. Rs. 8500	10000
2019	Dr. Santosh Shashikant Sutar	International Conference on INDSTATS 2019 Innovations in Data and Statistical Science at Mumbai from 26/12/2019 to 30/12/2019	International Conference on INDSTATS 2019 Innovations in Data and Statistical Science at Mumbai. Rs. 5000	8000
2020	Dr. M.P. Bhilave	107th Indian Science Congress Science and Technology : Rural Development at Bengaluru Karnataka from 30/01/2020 to 07/01/2020	107th Indian Science Congress Science and Technology : Rural Development at Bengaluru Karnataka. Rs. 1800	7059
2020	Dr. S.M. Gaikwad	107th Indian Science Congress Science and	107th Indian Science Congress Science and	6728

		Technology : Rural Development at Bengaluru Karnataka from 30/01/2020 to 07/01/2020	Technology : Rural Development at Bengaluru Karnataka. Rs. 1800	
2020	Dr. Smt. Dandage Padma B.	International Conference on Multifunctional and Hybrid Materials for Energy and Environment (MHMEE-2020) at Satara 29/01/2020 to 31/01/2020	International Conference on Multifunctional and Hybrid Materials for Energy and Environment (MHMEE-2020) at Satara. Rs. 2000	2640
2020	Dr. Bhosale Vaishali Prashant	5th International Conference on Innovations in IT and Management at Pune from 06/02/2020 to 08/02/2020	5th International Conference on Innovations in IT and Management at Pune. Rs. 2100	3264
2020	Prof. Smt. Sarita H. Thakar	107th Indian Science Congress Science and Technology : Rural Development at Bengaluru Karnataka from 30/01/2020 to 07/01/2020	107th Indian Science Congress Science and Technology : Rural Development at Bengaluru Karnataka. Rs. 0	6280
2019	Dr. A.D. Jadhav	25th International Congress on Sericulture and Skill Industry at Tsukuba, Ibaraki, Japan from 19/11/2019 to 22/11/2019	25th International Congress on Sericulture and Skill Industry at Tsukuba, Ibaraki, Japan. Rs. 33013	113957
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6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for	Title of the administrative training programme organised for	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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	teaching staff	non-teaching staff				
2019	-	Workshop on Right to Information Act 2005	19/09/2019	19/09/2019	Nil	22
2019	-	Workshop on Right to Information Act 2006	20/09/2019	20/09/2019	Nil	54
2019	-	Workshop on Cyber Space and Cyber Security and Crime	17/12/2019	17/12/2019	Nil	29
2019	-	Workshop on Cyber Space and Cyber Security and Crime	18/12/2019	18/12/2019	Nil	31
2020	-	Workshop on Writing and Communication Skills for Clerks	01/01/2020	01/01/2020	Nil	36
2019	Carrier Opportunities in Education	-	26/07/2019	26/07/2019	58	Nil
2019	Sentisation programme on Child Abuse and neglect	-	20/08/2019	20/08/2019	50	Nil
2019	Preparation for the Job Placement	-	26/07/2019	26/07/2019	41	Nil
2019	One day sensitization programme cum state level workshop on "UGC (Promotion of	-	22/07/2019	22/07/2019	72	Nil

	Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018"					
2020	One Day National Workshop on "Development of Accessible Library for Persons with Disabilities" on	-	01/08/2020	01/08/2020	92	Nil

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Online certificate course on e-content development	1	09/12/2019	22/12/2019	14
Faculty Development Program (FDP), Teaching Learning Centre Ramanujan College, University of Delhi	1	23/06/2020	29/06/2020	07
Faculty Development Program (FDP), Teaching Learning Centre Ramanujan College, University of Delhi	1	08/06/2020	14/06/2020	07

Refresher Training Programme in e-Governance, Yashwantrao Chavan Academy of Development Administration (YASHADA) Pune	1	22/07/2019	26/07/2019	05
Evolution from Offline to Online Teaching	2	03/05/2020	03/06/2020	30
106th Orientation Program at the UGC-HRDC, Goa University	1	18/02/2020	16/03/2020	28
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
262	262	496	496

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Insurance to 2,500 teachers in University and affiliated colleges - Day Care Centre - Teachers Personal Library Scheme for teachers - Emergency medical care - Publication grant - Travel Grant - Leave Travel Concession.	1. Personal Computer Purchase Advance 2. Group Insurance Scheme 3. Fidelity Scheme 4. Medical Advance 5. Medical Reimbursement 6. Accident Policy 7. Shivaji University Welfare Fund 8. Covid-19 Insurance Policy	Insurance to 2,00,000 students in University and affiliated colleges. - Earn and Learn Scheme for Men and Women - NET/SET and Remedial Coaching classes for SC/ST/OBC and Minority students. - Student aid fund - Competitive Examination Preparatory Classes/Entry into Services. - Work on Demand, Merit Scholarship, Departmental Research fellow(DRF)

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Shivaji University conducts internal and external financial audits regularly. For this, three tier audit system is there. 1st Tier - In- house audit (internal audit) :- University have various departments and sections. These departments and section submit their bills of expenditure to Finance Department for further payment. Then every bill is scrutinized thoroughly and lacunas if any, is get corrected from concern department/section. This is called pre-audit of bills. 100 checking of bills is done in Bills Passing Unit of Finance department. Also Internal Audit Wing is there in Finance Department. Through this wing, post- payment audit of bills is carried out. 2nd Tier - External

agency (Statutory audit) :- This audit was done by external agency i.e. by statutory auditor appointed by University. Post Audit is done by this auditor and audit paras shown in audit report were discussed in audit sub-committee meeting and compliance were made. This certified annual accounts, audit report along with compliance were finally submitted to Senate for approval. After getting this approval, these were submitted to Government. Upto year 2019-20, Annual Accounts, Audit report along with compliance were approved by Senate and submitted to Govt. of Maharashtra. 3rd Tier - External Agency (Accountant General, Mumbai) :- This is a Central Government agency. As per their schedule, periodical post audit is done and audit report was submitted to university. Compliance of audit objections is submitted to AG Office.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
INSA Senior Scientist Position Prof. V.A. Bapat Botany Department	275241	Research and Development
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6.4.3 – Total corpus fund generated

10089967

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Shivaji University, Kolhapur	Yes	Shivaji University, Kolhapur
Administrative	Yes	Shivaji University, Kolhapur	Yes	Shivaji University, Kolhapur

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

- Letter from State Project Director, Government of Maharashtra, State Project Directorate, Rusa, Deptt. Of Higher Technical Education, Mumbai of Ref. No. DO/RUSA/2016-17/462, Dtd.16/11/2016 has been circulated to all affiliated colleges/Recognized institutes by Circular No.180, Dtd 21/12/2016. - Notification of Government of Maharashtra (Higher Technical Education Department) Dtd. 14/01/2019 regarding Uniform Statute relating to norms for grant of autonomy to affiliated colleges, recognized institutions and conducted ot constituent college has been circulated to all affiliated colleges/Recognized institutes by Circular No.8061, Dtd 29/07/2019. At present there are 15 autonomous colleges affiliated to Shivaji University, Kolhapur These Colleges are as follows- 1. Chhatrapati Shahu Institute of Business Education and Research, University Road, KOLHAPUR-416 004 2. Walchand College of Engineering , Vishrambag, SANGLI-416 415 3. Rajarambapu Institute of Technology, Rajaramnagar, SAKHARALE-415 414 4. Government College of Engineering, KARAD-415 110 Tal:Karad Dist:Satara 5. Textile Engineering Institute, Rajwada Chowk, Ichalkarnji-416 115, Dist:Kolhapur 6. Dhanajayrao Gadgil College of Commerce, SATARA-415 001 7. Annasaheb Dange College of

Engineering and Technology, ASHTA - 416 301 8. Kolhapur Institute of Technologys College of Engineering, GokulShirgaon-416 234 ,Tal: Karveer, Dist: Kolhapur 9. Vivekanand College, 204, E Ward, Tarabai Partk, Kolhapur-416 003 S 10. Yashwantrao Chavan, Institute of Science, SATARA-415 001 11. Sadguru Gadage Maharaj College, Vidyanagar, KARAD-415 124, Tal-Karad,Dist-Satara 12. Chhatrapati Shivaji College, SATARA- 415 001 13. Mahavir College, 7/E, Bhausingji Road, Kolhapur-416 003 14. D. Y. Patil College of Engineering Technology, Kasaba Bawada-416 006,Kolhapur 15. Tatyasaheb Kore Institute of Engineering Technology, Warananagar-416 113 Tal:Panhala , Dist: Kolhapur
Autonomy of following colleges is in process- 1. Deshbhakta Ratnappa Kumbhar College of Commerce, Bindu Chowk, Kolhapur

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

1. Student Startups initiated through incubation centre. 2. Feedback analyzed and disseminated through website of the University 3. Skills inculcation started on big way through lead college scheme

6.5.4 – Development programmes for support staff (at least three)

1. Exclusive workshop at Bahai Academy, Panchgani 2. Meeting with support services to streamline the accreditation issues. 3. Mentoring through AAA

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

Internationalization and benchmarking through Erasmus Plus funded EQUAMBI project. 2. Sensitization towards IPR and filing the patent. 3. A giant leap in Bibliometrics especially h index.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	ISO - 9001-2015 Stage - II Opening Meeting	29/08/2019	29/08/2019	29/08/2019	20
2019	ISO - 9001-2015 Stage - II Closing Meeting	30/08/2019	30/08/2019	30/08/2019	22
2019	Departmental NAAC Coordinator Meeting for Criterion wise Information	15/10/2019	15/10/2019	15/10/2019	45

2020	Departmental Placement officer Meeting	09/01/2020	09/01/2020	09/01/2020	21
2020	Draft Self Study Report Presentation	14/02/2020	14/02/2020	14/02/2020	178
2020	One day Workshop on Revised Accreditation Framework	13/03/2020	13/03/2020	13/03/2020	57
2019	ISO - 9001-2015 Audit Stage - I	14/08/2019	14/08/2019	14/08/2019	9
2019	ISO - 9001-2015 Audit Stage - II	27/08/2019	27/08/2019	27/08/2019	4
2019	ISO - 9001-2015 Stage - II (Internal Auditors Meeting)	27/08/2019	27/08/2019	27/08/2019	13
2019	ISO - 9001-2015 Stage - II (HOD's Meeting)	27/08/2019	27/08/2019	27/08/2019	13
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Workshop on women on periphery	12/12/2019	12/12/2019	200	40
Lecture on Violence against women	03/01/2020	03/01/2020	140	50
Workshop on efficient women in satara	25/02/2020	25/02/2020	180	45
Lecture on	03/03/2020	03/03/2020	120	60

Challenges
before women
Empowerment

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

The richness of any area is measured by its species diversity. Shivaji University campus is blessed to have a biodiversity rich campus which includes variety of habitats like grassland, woodland, gardens, wetland and open land. The habitat gives support to diverse ecosystems providing nesting and roosting sites for birds, mammals, reptiles, insects and butterflies. The migratory birds are also visiting the campus. The lushly green beautiful campus of Shivaji University acts as lung of Kolhapur city. The university aims to protect and conserve its biodiversity, fresh and clean ambience through many initiatives. Following are the efforts taken by University for Environmental Consciousness and Sustainability: 1. Water self sufficient University: The Shiv Jalashay Yojana is a watershed management of Shivaji University on campus which helps to conserve and store water. Nearly 2,80,000 Kiloliter water conserved and stored under Shivjal Yojana in two lakes in the campus. University is self sufficient in water and stopped taking water from Kolhapur Municipal Corporation. The rain water harvesting is done in university which strengthens the water supply to the campus lakes as well as enhance water level of wells in the campus through ground water recharging process. Even the recharging of bore wells and dug wells in the surrounding has also occurred. 2. RO water supply to flood affected areas in Kolhapur city: The University has installed an advanced Reverse Osmosis (RO) based water purification plant i.e. Shivjal Yojana. Under this scheme every person in the university department, Guest house, Hostels, etc. get benefitted by the pure drinking water. This has reduced waterborne diseases on the campus. During the flood disaster in Kolhapur district in August 2019, this scheme has played very important role in providing safe drinking water to many people from the city. Many citizens availed this facility of pure drinking water during water scarcity condition in the city. 3. Wastewater (Sewage) Treatment Plant (STP): The University has its own Wastewater Treatment Plant (STP) near Girls hostel which treats some amount of wastewater generated in Girl's Hostel. Recycling of wastewater from hostels which is used for the purpose of maintenance of gardens on campus The Phytorid plant at Department of Technology treats wastewater coming out from Technology Hostel after Primary Treatment. 4. Carbon Sequestration on the University Campus: Shivaji University has 13473 trees on the campus and therefore, university campus is considered as a carbon sink for carbon sequestration. This woody vegetation is sequestering 293.71 tons of CO₂ with the liberation of 783.23 tons of oxygen annually. Thus, the campus is working as a good carbon sink and a productive oxygen park. 5. Lead Botanical Garden and Plantation and Nurturing Programme: Botany Department of the university hosts Lead Botanical Garden in 12 acres area and an additional land of 30 acres

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	76
Provision for lift	Yes	38
Ramp/Rails	Yes	38
Scribes for examination	Yes	356
Braille Software/facilities	Yes	26

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	1	1	01/03/2020	1	Visit to Primary school	Guidance to rural school going children as well as staff	130
2019	1	1	01/05/2019	1	Water Awareness Programme	Water Management	5
2019	1	1	12/09/2020	1	A One Day Workshop on Amateur Radio in Disaster Management	Amateur Radio in Disaster Management	70
2020	6	6	10/10/2019	50	Kalamba Jail Visit Matoshree Old Age Home visit Mediation Centre Visit Arbitration Centre visit Rajarampuri Police Station visit	Human Rights Human Rights Settlement of Cases Procedure Police Station working	225

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

Title	Date of publication	Follow up(max 100 words)
Student Code of Conduct	29/09/2014	IQAC has published a copy of students code of conduct for students. The copy of the Student Code of Conduct handbook was

published of the University website. These handbook is used to provide behavioral pattern of students of the University.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Sadbhavana Day	20/08/2019	20/08/2019	30
Mahatma Gandhi Jayanthi	02/10/2019	02/10/2019	45
Dr. A.P.J. Abdul Kalam Jayanthi	15/10/2019	15/10/2019	42
Indira Gandhi Punyatithi and National Sankapal Day	31/10/2019	31/10/2019	35
Vallabhbhai Patel Jayanthi National Ekata Day	31/10/2019	31/10/2019	20
Indira Gandhi Jayanthi National Integration Day	19/11/2019	19/11/2019	24
Sanvidhan Day	26/11/2019	26/11/2019	32

[View File](#)

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

The university has taken following initiatives for making its campus 'Eco-friendly Campus'. 1. During the academic year 2019 - 20, "No Vehicle Day" was observed every on first Saturday of month which reduced use of nearly 120 litres of fuel every month and reduced that much emission of the CO2 on the campus. The university has bought two electric vehicles which are used for internal transport of officers, faculty, staff, students and visitors coming to the university. It runs for around 30-40 km after 6 hrs of charging 2. The reservoirs made for water conservation, made university self reliant in case of water resource. Nearly 30 crore liters of water is stored in Bhasha Bhavan lake (22 Cr. 15 lac liters), Music Department lake (5 Cr. 20 Lac liters), Sutar Vihir (4 lac liters), Sports Department well (4.87 lac liters), Chemistry Department well (3 lac liters), Synthetic track well (5 lac liters), Shinde well (3 lac liters), farm pond (35 lac liters). Nearly 72 lac rupees per annum on account of water bills saved due to such water conservation.. 3. The RO plant installed is working efficiently supplying RO filtered water for drinking to all sections, academic departments, hostels and residents on the campus. During the flood disaster in Kolhapur district in August 2019, many citizens availed this facility of pure drinking water during water scarcity condition in the city. 4. Wastewater from Girls hostel is treated in Sewage Treatment Plant and Technology Department Hostel by phytoremediation and used for gardens. 5. The campus adopted partially energy-efficient street lighting system with proper control, low-energy fixtures, energy-efficient pumping system, energy-efficient motors and use of star-rated equipment at the various sections and academic departments lead to 30 reduction in the electricity bill. 6. University Plant Nursery produced saplings of endemic trees planted on the campus as well as given to needy people. The Lead Botanical Garden is also

playing important role in conservation of more than 100 endangered species of plants in Western Ghats . The department is also having seed bank of variety of plants which are playing important role in ecosystem balancing. 7. During University functions, workshops and conferences, the plastic mineral water bottles, tea cups, straws, bouquets and gifts with made up plastic covering, decorations and unwanted plastic use is strictly avoided. Instead of mineral water bottles, the drinking water is made available through traditional water pots or steel water. The University has taken initiative of 'Plastic free campus'. 8. University has installed roof top Solar Power Plant of 100kW at Main building of the University and 80 kW at roof top of Chemistry Department. These plants are connected to State Power lines through grid and are operational. 9. Roof top rain water harvesting is practised on campus which supports to fill the tanks on the campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices: 1 Lead Botanical Garde (LBG)

1. Title of the practice: Visitor's guidance for LBG

2. Objective of the practice: a) To provide information to the visitors about LBG b) To create awareness about biodiversity conservation

3. The Context: The Lead Botanical Garden developed through the funds provided by the Ministry of Environment, Forest and Climate change, Govt. of India. It contain about 1000 plant species collected from various parts of our country including endemic and rare elements. All these species are conserved in the LBG with systematic efforts. In this era of biodiversity crisis conservation has become an important task for even layman. However information about what to conserve? How to conserve? When to conserve? and Why to conserve? is given by the department of Botany. By taking the visitors to the plant and information is given. For this purpose the faculty of the department as well as a team of trained research students is always ready to attend the any kind of visitor of the LBG. The Nilambari Auditorium constructed through the same project is made for the slide and film shoots.

4. The practice: A team of trained research students is always ready to guide the visitors about LBG and conservation of biodiversity. Through this practice every research student is trained for communication skills and get self-aware about the plants in LBG. The visitors are made aware about the conservation of biodiversity of our country and protection of environment as well as bio resources.

5. Evidence of success: Every year about 10,000 students of various levels and general public visit the LBG. After visit they discuss about the need of conservation and decide to take care of our mother nature. Some nature lovers purchase the plants from the nursery in LBG for the plantation purpose.

6. Problems encountered and resources required: Maintenance of the LBG will be difficult once the plantation of the project completed.

7. Notes

Best Practices: 2

1. Title of the Practice : Student-Industry Interaction

2. Objectives of the Practice Computer Science is practical based subject which along with theory needs experiential learning which is provided in the form of industrial project. Here main objective is to prepare student for their future endeavor. Industrial project is made part of the curriculum for both MCA as well as M.Sc. students. Under this students have to do a project in the industry for one full semester. This in turn benefits students to know the know-how of the industrial culture and actual work environment and the challenges faced. Outcome of this practice is it helps students in their placements as most of the students are absorbed in the company where they do their projects. Nearly 120 students undertake projects in the industry every year.

3. The Context Industrial project internship is to help students to get actual software/website development experience in real time. For this companies are invited on campus to conduct their placement process. Some of the students who are not placed through campus have to visit different companies for project

internship so for these students a letter is issued individually from the department, indicating his details and why he needs to undergo the training for industries to allow them to work. Biggest challenge faced here is, this project internship is only for one semester which is not sufficient to complete project individually as the projects are big. So we allowed students to work in groups on different modules of the same project this helped in timely completion of the project. Another important aspect of this is, students learn to work in teams and also develop leadership qualities. 4. The Practice After completion of the project internship students are ready to enter the industry with some industrial background. Project internship is one of its kind offered by Shivaji University as part of curricula. Its unique in itself as one whole semester is dedicated for this, so students get sufficient time to settle down in the new environment and come up with productive work. Some of the students are not ready to go to out of town for project internship as they are reluctant to change their location and fear industry environment and challenges they might face. One of the most challenging factor is to motivate parents to allow their female wards to work in industries at metro cities. One or two students who couldn't get internship anywhere are motivated to do projects for smaller sectors of society free of cost. 5. Evidence of Success As the data indicates most of the companies are hiring our students consistently every year. After experience of one or two year's students switch companies for better packages and new opportunities. Results also show that students who complete their projects, recommend their juniors at their company for internship. Note: Separate word file is attached with company details. 6. Problems Encountered and Resources Required • Some student's project completion is delayed due to industrial policy constraints which may affect academic progress of students. • Due to data privacy policy of industry some companies don't allow students to take away data for presentation, it puts a constraint on examiner while evaluation. • Students are unaware of privacy policies of the company thus needs some induction before entering the industry. • It takes time for students (student life) to learn the work ethics and discipline required while working on projects. • Many times students have to work in shifts with work pressure due to foreign clients and project completion deadlines. • When students are asked to continue in the same company by company authorities some of them do not agree and leave for higher placements. If this trend continues and these companies do not hire students for internship any more. • Sometimes students leave the company in between and join another without informing the department.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.unishivaji.ac.in/naac/Best-Practices>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The university has put its vision/mission/goals into action through vision document, perspective plan and institutional development plan. This has meant going from local to global scholarly pursuits with brilliance in all areas. Gender sensitivity workshops have been organised by the institution to address social challenges. The programmes for transgender people were very well received by the public. Heavy rainfall in 2019 affected University jurisdiction badly the relief operations were taken up on large scale by university authorities along with other stakeholders which include providing shelter, food, cloths, portable water to affected people, fodder to domestic animals, maintaining cleanliness/hygiene and supporting affected colleges financially. Our mission is to support the societys economic needs. Society and apex bodies have praised the universitys efforts to maintain a culture of high-quality

teaching and learning, research in cutting-edge disciplines, and extension. A fine band of bright young researchers/teachers with a tremendous desire for information and scientific curiosity have been developed with proven attributes of global citizenship over the course of five decades. In this context, the university has adopted multi-fold approaches such as

- 1.Promoting and motivating teachers and research scholar for research projects and research funding
- 2.Providing research funding from university corpus to undertake action based research
- 3.Modernization and upgradation of common facility centre
- 4.Strengthened sophisticated analytical facility
- 5.Setting up of Innovation and Incubation centre and supporting startups
- 6.Promoting a proactive IPR culture
7. Generation of quite good amount through consultancy services.
8. Initiated national and international MoUs with HEI and other organisations.
- 9.Research scholar hostel and girls' hostel for Earn and Learn Scheme.
10. Facilities were provided to Covid-19 care centers.
11. Active participated and disaster management like flood, pandemic and drought to enhance quality life.
12. Water harvesting initiative in the campus. Proactive policy towards research, the corresponding metrics especially publications during the academic year, over 490, Citations around 13200 and h-index 105 are showing exponential growth.

RUSA grants have helped to strengthened the specialized centres namely Center for Natural Products and Alternative Medicine, Resource Center for Inclusive Education, Center for VLSI System design, Center for Nano Fabrics and augmenting Sports facility and infrastructure. The department of Computer Science has been awarded with the project on Cyber Security and Data Science by MHRD under PMMNMTT to train teachers on pan India basis. The faculty and a student of the Marathi department have been honored with the Sahitya Akademi Award for Literature. The research investigations at university has addressed the local, regional, economic and global issues. Few representatives are as follows:

- 1.Generation of hydrogen through Solar light
- 2.Development of Anti-cancer therapeutic
- 3.Development of battery material
- 4.Nano-fabrics
- 5.Big Data Analytics for Societal Applications
- 6.IoT and Drone Programming
- 7.Conversion of plastic in to diesel
- 8.Development of Sericulture and tissue culture and distribution of plantlet to farmers
- 9.Research and development of Anti-diabetic tablet
- 10.Jaggary byproduct development
- 11.Biodiversity
- 12.Marathi Literature and dialects
- 13.Linguistics and Elt

Thus, scholarly research and consultancy services, the university has made its mark and contributed immensely on technology, social and economic development of society.

Provide the weblink of the institution

http://www.unishivaji.ac.in/about_suk/Vision-Mission-Goals

8.Future Plans of Actions for Next Academic Year

The University has the following Future Plan

1. Plan to publish more research paper in Scopus, web of science, journals.
2. Filing more Patents.
3. To increase startup.
4. To organise the skill entrepreneurship program to the students.
5. To strengthen the research coloration through MoU with National and International level.
6. To organise the orientation program to teaching and non-teaching staff.
7. To generate funds from various funding agencies.
8. To start more department to get UGC-SAP, DIS-FIST.
9. To introduce new value added courses.
10. To conduct the National / International conference / workshop / Symposium.
11. The increase more consultancy charges.
12. ISO 9001:2015 surveillance Audit.