



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		SHRI SHIVAJI SCIENCE COLLEGE
Name of the head of the Institution		Prof. G. V. KORPE
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		07212665485
Mobile no.		9822643575
Registered Email		korpegv@rediffmail.com
Alternate Email		shivajiscamt.office@gmail.com
Address		Shivaji Nagar, Morshi Road
City/Town		Amravati
State/UT		Maharashtra
Pincode		444603
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed and grant-in-aid
Name of the IQAC co-ordinator/Director	Prof. H. S. Lunge
Phone no/Alternate Phone no.	07212660855
Mobile no.	8275217293
Registered Email	iqacshivajiscamt@gmail.com
Alternate Email	hariharlunge@rediffmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.shivajiscamt.org/pdf/aqar2018-19.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.shivajiscamt.org/pdf/Academic%20Calander%202019-20%20Col.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
2	A	3.10	2008	04-Feb-2008	03-Feb-2013
3	A	3.13	2015	15-Nov-2015	14-Nov-2020

6. Date of Establishment of IQAC	01-Dec-2003
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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
Teachers Awareness Programme	23-Oct-2019 1	54

Workshop on Preparation for assessment through New methodology of NAAC	19-Nov-2019 1	72
.Students Orientation Programme	06-Aug-2019 1	282
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8. Provide the list of funds 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
Study of Leaf Surface Diversity in the Plants in and around city of Amravati	Foldscope	DBT	2018 730	800000
Status and Distribution survey and study of Breeding Biology of Malabar Pied Hornbill in PTR,MP	study of Breeding Biology of Malabar Pied Hornbill in PTR,MP	Madhya Pradesh State Biodiversity Board	2020 730	661000
Two days National Conference on	National Conference	ACT Mumbai	2019 2	20000
Two days National Conference on	National Conference	CSIR	2019 2	30000
Inspire internship Programme	Inspire internship Programme	DST	2019 5	975000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

4

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. Add On certificate courses started 2. Subject wise and Course wise econtent developed. 3. Internal academic audit conducted. 4. SWAYAMs MOOCs, NPTEL local chapter established. 5. Amrita University virtual lab nodal center established.

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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
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Plan of Action	Achivements/Outcomes
Value Education Programmes	Certificate Course in "Health, Safety and Environment(Online)
Introducing Add-On and Value Added Courses.	"Spoken Tutorial Certificate Course in PHP & MySQL"
Introducing Add-On and Value Added Courses.	"Spoken Tutorial Certificate Course in RDBMS & Postgress SQL "
Introducing Add-On and Value Added Courses.	"Spoken Tutorial Certificate Course in C "
Introducing Add-On and Value Added Courses.	"Spoken Tutorial Certificate Course in JAVA "
Introducing Add-On and Value Added Courses.	"Spoken Tutorial Certificate Course in Advanced CPP "
Introducing Add-On and Value Added Courses.	"Online Certificate Course in Computer Skills & IT Literacy "
Introducing Add-On and Value Added Courses.	"Online Certificate Course in English Communication Skills "
Introducing Add-On and Value Added Courses.	"Online Certificate Course in English Vocabulary Building "
Introducing Add-On and Value Added Courses.	"Nature and Wildlife Specialists Program (NWSP) Online Certificate Program "
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
College Development Committee (CDC)	25-Jan-2020

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 AISHE:	Yes
Year of Submission	2020
Date of Submission	20-Feb-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Institutions' Information Management System The college has purchased the Master Soft ERP Software for information and data management. The software has following features. 1. On line Student Admission 2. Online fee remittance 3. Student Attendance 4. Library Management System 5. Online students, faculty and alumni feedback 6. MOPAC (Mobile base OPAC) 7. Financial Accounting 8. Payroll Leave 9. Stores Management System 10. Students ID generator 11. Barcode for library books issue.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The curriculum is designed and revised by the Sant Gadge Baba Amravati University; Amravati. At the end of session HOD conducts the Departmental meeting for unit wise paper distribution was carried out. In accordance with university academic calendar, IQAC prepares college academic calendar for coming session. At the beginning of the session, the principal conducts the meeting of HOD in which the time table is circulated to all departments of all subjects. In departmental meetings time table is circulated, workload distribution among staff is prepared. Teachers prepare their teaching plan according to the topics assigned to them. Academic diary is regular practice of teachers in which they prepare micro teaching plan for their allotted units and also maintains the record of lectures engaged. For the effective teaching delivery of curriculum, various teaching methods are applied based on the requirement of the subject. Pedagogy is adapted to cater the demands of the fresher's and facilitate faster technology development. Both the conventional and the advanced teaching-learning aids are used in delivering the lesson, such as Chalk and Black board method and ICT-enabled teaching-learning method. Departments conducts Seminar, Group Discussion and Project as a part of internal assessment. Departments arranges the industrial visits, computer

awareness programmes, workshops, guest lecturers and study tours to ensure the effective implementation of the curriculum. The college has a well-equipped central library with open access to INFLIBNET, books, international journals and other-resources. All departments have their Departmental library for the benefit of the students. The effectiveness of curriculum delivery is assessed through class tests, college common test, and internal assignments. Departments maintain the detailed record of the classes and assessments. College administration also keeps a vigilant eye on the results, departmental proceedings and improvements in different methods of effective curriculum delivery. Along with academic achievement, Overall personality development of the student is achieved by conducting Sports, Cultural events, Communication skills, Stress management, Meditation classes and skill development certificate courses.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Certificate Course in "Yoga and Meditation" (Online)	Nil	03/10/2019	17	Employability and Entrepreneurship	Skill about meditation
Certificate Course in "Quantum GIS and its application in advanced GIS"	Nil	26/01/2020	05	Employability and Entrepreneurship	Skill to handle software of GIS
"Global Competencies Training Program"	Nil	05/02/2020	11	Employability and Entrepreneurship	Skills about competitive exam competition
Certificate Course in "Health, Safety and Environment (Online)"	Nil	13/07/2020	30	Employability and Entrepreneurship	Occupational health safety skills
Certificate Course in "Basic Mathematical Modeling" (Online)	Nil	15/07/2020	30	Employability and Entrepreneurship	Skill to apply mathematical model
Certificate course in "Groundwater	Nil	20/07/2020	30	Employability and Entrepreneurship	Skill to measure the level of water table

Exploration" (Online)	Nil	20/07/2020	30	Employabil ity and Entr epreneurship	Skill to operate various aspects of physics lab.
Certificate Course in "Physics with Scilab" (Online)	Nil	20/07/2020	30	Employabil ity and Entr epreneurship	Skill to about basics in health care
Certificate Course in "Health Care (Biomedical Science)" (Online)	Nil	27/07/2020	20	Employabil ity and Entr epreneurship	Skill to work with na nomaterial.
"Nanomater ials Synthesis and Characte rization Techniques (NSCT-2020) (Online)"	Nil	27/07/2020	20	Employabil ity and Entr epreneurship	Skill about statistical software handling and application
Certificate Course in "Descriptive Statistics Using R Lang." (Online)	Nil	27/07/2020	30	Employabil ity and Entr epreneurship	Skill in i dentificatio n and application
Certificate Course in Medicinal Plants: Traditional Uses and Career Oppor tunities (MPTUCO)	Nil	01/08/2020	30	Employabil ity and Entr epreneurship	Instrument operating Skill
Add on programmme " Instrumental Techniques and their Practical Applications for Students"	Nil	05/08/2020	30	Employabil ity and Entr epreneurship	Skill in laboratory methods
Online Certificate Course in "Laboratory y Techniques	Nil				

in
Microbiology
Biotechnology
y”

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	Nil	Nil
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MSc	Bioinformatics	10/06/2019
MSc	Botany	10/06/2019
MSc	Chemistry	10/06/2019
MSc	Computer Application	10/06/2019
MSc	Environmental Science	10/06/2019
MSc	Physics	10/06/2019
MSc	Zoology	10/06/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	2110	Nil

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
“Online Certificate Course in English Communication Skills”	05/09/2019	40
“Spoken Tutorial Certificate Course in PHP MySQL”	01/01/2020	39
“Spoken Tutorial Certificate Course in C	01/01/2020	84
“Spoken Tutorial Certificate Course in JAVA”	01/01/2020	148
“Spoken Tutorial Certificate Course in Advanced CPP”	01/01/2020	174
“Spoken Tutorial Certificate Course in RDBMS Postgress SQL”	01/01/2020	53
“Online Certificate Course in English	05/02/2020	40

Vocabulary Building"		
"Online Certificate Course in Computer Skills IT Literacy"	03/08/2020	212
"Nature and Wildlife Specialists Program (NWSP) Online Certificate Program"	16/08/2020	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
BSc	Botany, Chemistry, Environmental Science, Geology and Zoology	448
MSc	Bioinformatics, Botany, Chemistry, Computer Application, Environmental Science, Physics and Zoology	229
BVoc	Forensic Science	49
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Nil
Alumni	Yes
Parents	No

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

Feedback Obtained
<p>The development of any institution heavily depends upon a well-functioning feedback system. The college has a regular practice of collecting students' feedback, analysing it and action taken wherever necessary. Curriculum feedback is obtained Online through a well-structured Questionnaire from Students, Teachers, and Alumni. The feedback regarding the curriculum is taken from final year students which are analysed statistically and data is compiled at Institutional level. On the basis of their suggestions, to enrich the curriculum delivery, various certificate and short-term courses, seminars, workshops, guest lectures, lecture series, project exhibitions, science mela are conducted to enrich their learning experience and perform to their maximum potential. Students are also taken for Field /Industrial visits to bridge the gap between academia and industry. This helps to make the study more practical and reduces the gap between theoretical knowledge and practical application of the same. Alumina is an integral part of our esteemed Institution. As the members of the Alumina passed out from the Institution, they have modern approach and well aware of the latest global trend. Hence the updated feedback regarding the courses, relevance of the curriculum and experimental study. The</p>

feedback of the Alumni assists to adopt innovative measures to enhance the competence among the stake holders. Teachers play a vital role in shaping and designing the destiny of the students and the Institution. Their feedback on present curriculum, Pedagogical perspectives, Teaching, Learning, Testing and Evaluation process with the modernization and standardization. The head of the institution after attaining the feedback comprehends the complete facts and appreciates the better performers and motivates them to take up advance study. Based on the feedback academic programmes like seminars, conferences, special lectures, tutorial classes, remedial classes are conducted. Teachers feedback regarding the curriculum too is taken, analysed, compiled and communicated to the BOS members.

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
MSc	Environmental Science	26	55	24
MSc	Bioinformatics	26	34	21
MSc	Botany	26	160	24
MSc	Computer Software	31	81	25
MSc	Chemistry	26	200	26
MSc	Physics	21	134	16
MSc	Zoology	21	180	21
BVoc	Forensic Science	50	102	49
BCA	Nil	144	185	138
BSc	Optional subjects - Botany, Biotechnology, Chemistry, Computer Science, Computer Applications, Environmental Science, Geology, Mathematics, Microbiology, Physics, Statistics and Zoology	504	1028	463

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1689	311	32	7	70

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
109	109	305	13	6	100
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)

Mentor - Mentee Scheme envisaged by NAAC is implemented by college as Guardian Teacher (GT) Scheme. This is one of the healthy practises successfully run by our institute since 2000. The scheme serves to establish a cordial relationship between teacher and students, bring solution to students' problems and helps to unlock students' potentials. The scheme focuses on the vital role of the teacher as a mentor (in the form of a Friend, Philosopher and Guide) to mould the wet clay into humans. It throws light on the involvement of the teachers as movers and shapers in laying down the strong foundation of our society and nation. Today's Google Generation demands the major role of a teacher as a Guardian, Counsellor and as a Guide. It is our prime responsibility to imbibe moral values and to bring out the best in the student. To have one to one interaction, for a batch fifteen students, a teacher is assigned the role of Teacher –Guardian. For effective communication and observation students from the class which the teacher engages for theory / practicals are allotted in the first year and the same G.T. is continued for three successive years. Impact of Guardian Teacher Scheme. 1. Provided emotional support and acclimatize the students. 2. Established good sense of rapport with students so as to develop a Healthy Teacher- Student relationship. 3. The teachers interact constantly and keep themselves in contact with the students so that students' problem regarding educational, socio-economical, health related and family related could be sorted out and help can be rendered.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2000	109	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
130	109	21	61	61

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
2019	Nil	Nil	Nil

2020	Nil	Nil	Nil
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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
MSc	MSEVS07	SEM-IV	01/11/2020	05/11/2020
MSc	MSBIF06	SEM-IV	01/11/2020	05/11/2020
MSc	MSBOT05	SEM-IV	01/11/2020	12/11/2020
MSc	MSCSO04	SEM-IV	01/11/2020	05/11/2020
MSc	MSCHE03	SEM-IV	01/11/2020	02/12/2020
MSc	MSPHY02	SEM-IV	01/11/2020	02/12/2020
MSc	MSZOO01	SEM-IV	01/11/2020	12/11/2020
BCA	BCAPO2	SEM-VI	02/11/2020	17/11/2020
BSc	BSCIO1	SEM-VI	01/11/2020	21/11/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

As a part of CIE, in the first few lectures teachers assess the learning abilities of newly admitted B.Sc. I students by conducting class test or in class question answer session. Departments has been conducting online quiz to assess learning levels of the students. As per the performance slow and advanced learners are identified so that their learning needs can be fulfilled. As an affiliated college, the internal assessment norms laid down by the affiliating university are strictly followed. Thus as per these norms the college has evolved standard procedure for internal assessment which includes continuous assessment at department level by the teachers and mid-term assessment of the students by Internal Assessment Committee. The main components of continuous internal assessment of students done by respective teachers are class test, project assignments, seminars, study tours, industrial visit, visit to educational institutions and research organization, field work, group discussion or any other innovative practice/activity. Similarly, students' performance in lab course is assessed on the same day the students performed their experiments in laboratory. Some departments conduct online quizzes to assess students' performance. As a part of summative evaluation of the students, College Internal Assessment Committee plans the mid-term examination for all the courses. Pre stated Course Outcomes (COs) of the course are taken in to consideration while setting the question papers for this examination.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Being an affiliated college, the college and hence the departments adheres to the academic calendar of the university. Taking into considerations the examination and vacations schedules given in the calendar of the university, our college publish own academic calendar every year. The college academic calendar includes the schedules of internal assessment examinations. In line with the college calendar, the department prepared its academic calendar and is

made available on notice board and college website for students and staff. One of the components of academic calendar is internal assessment schedule and deadlines of submission of projects and practical records of all UG PG classes. As a part of CIE department organizes online quiz, group discussions and unit test for UG and PG students. After evaluation of test, home assignment and projects the results are made available to the students and kept in the department till completion of his/her course period. As far as assessment of laboratory experiments is concern, it is done on the same day after completion of the experiment due on the day.

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)

https://www.shivajiscamt.org/pdf/PO_PSO_CO.pdf

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
BSCI01	BSc	Optional subjects - Botany, Biot echnology, Chemistry, Computer Science, Computer App lications, E nvironmental Science, Geology, Mathematics, Microbiology , Physics, Statistics and Zoology	433	425	98.15
BCAP02	BCA	Nil	76	73	96.05
MSZOO01	MSc	Zoology	14	12	85.71
MSPHY02	MSc	Physics	18	18	100
MSCCHE03	MSc	Chemistry	24	24	100
MSCSO04	MSc	Computer Software	29	29	100
MSBOT05	MSc	Botany	23	22	95.65
MSBIF06	MSc	Bioinforma tics	21	20	95.24
MSEVS07	MSc	Environmen tal Science	24	24	100

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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)

https://www.shivajiscamt.org/pages/feedback_reports.php

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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	365	DBT	8	6
Major Projects	365	Madhya Pradesh State Biodiversity Board	6.61	0.75
Any Other (Specify)	02	ACT Mumbai	0.2	0.2
Any Other (Specify)	02	CSIR	0.3	0.3

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3.2 – Innovation Ecosystem

3.2.1 – 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
Wildlife Photography Workshop	Zoology	24/02/2019
Two Days Workshop On Nanomaterial Synthesis	Physics	17/02/2019
National Symposium on Innovative Material and Devises (NSIMD-2019)	Physics	24/06/2019
Short Term Course on Material Synthesis and Characterizations	Physics	09/12/2019
Workshop on Research Methodology	Statistics	29/06/2019
Chrysanthemum Cultivation Workshop	Botany	10/08/2019
Two days National Conference on "Innovative Research in Science Technology-2019" ("NCIRST-2019")	Chemistry	17/12/2019
Fungal Systematics and technological advances 2020	Botany	29/11/2019
International Web Conference on Science, Engineering and	Physics	15/05/2020

Technology (IWCSET-2020)		
Online workshop on Effective Enforcement of IPR: Patent and Copyright	Library	17/06/2020
Patent: An introduction, retrieval and Career opportunities	Library	14/10/2020

3.2.2 – 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
A Formulation for treatment of Diabetic Complications and methods of preparations thereon	Mr. Neeraj Dwivedi Dr. P. R. Padole	Commissioner of Patents, Govt. of Australia	23/12/2020	Patent

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3.2.3 – 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
Science and Innovation Activity Centre	Dr. Panjabrao Deshmukh Memorial Science and Innovation Activity Centre	RGSTC, Govt of Maharashtra	NA	NA	31/12/2019

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
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3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Chemistry	4
Zoology	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Botany and Bioinformatics	8	Nil
International	Zoology	14	Nil
International	Chemistry	57	Nil
International	Physics	19	Nil

International	Microbiology	1	Nil
International	Environmental Science	4	Nil
International	Computer Sciences	2	Nil
International	Mathematics	3	Nil
International	Biotechnology	2	Nil
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Physics	3
Chemistry	1
Botany	5
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3.3.5 – 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
Hyperthermic evaluation of oleic acid coated nano-spinel magnesium ferrite: enhancement via hydrophobic-to-hydrophilic surface transformation	S.B. Somvanshi, S.R. Patade, D.D. Andhare, S.A. Jadhav, M.V. Khedkar, P.B. Kharat, P.P. Khirade, K.M. Jadhav	Journal of Alloys and Compounds Vol 853 (2020): 155422.	2020	43	Shri Shivaji Science College Amravati	43
Structural and Electrical Characterization of modified LaMnO ₃ thick films for CO gas sensor	A.B. Bodade, G.N. Chaudhari, Anjali B. Bodade	International Journal of Emerging Technologies and Innovative Research 7 (2), 220-225	2020	30	Shri Shivaji Science College Amravati	30
Influence	S. Giri, D.K. Sahu,	Dogo Rangsang	2020	30	Shri Shivaji	30

of Aluminium ion substitution on Structural and Magnetic Properties of nano-structured BaFe12O19 Powder	N.N. Sarkar, K. G. Rewatkar	Research Journal (UGC Care Group I Journal)			Science College Amravati	
Influence of Trivalent Cr ion Substitution on Physicochemical, Optical, Electrical and Dielectric Parameters of Sprayed NiFe2O4 Spinel-Magnetic Thin Films	A.R. Chavan, S.B. Somvanshi, P.P. Khirade, K.M. Jadhav	RSC Advances (2020), 10, 25143-25154	2020	25	Shri Shivaji Science College Amravati	25
Synthesis of Graphene Oxide (GO) and Reduced Graphene Oxide (RGO), its Characterization by XRD, UV-VIS Spectroscopy and measurement of DC conductivity	W.S. Barde	International Journal of Emerging Technology and Innovative Research 7 (2), 287-291	2020	22	Shri Shivaji Science College Amravati	22
Induction Heating Analysis of Surface-Functionalized Nanoscale CoFe2O4	P.B. Kharat, S.B. Somvanshi, P.P. Khirade, K. M. Jadhav	ACS Omega, 5, 23378-23384	2020	19	Shri Shivaji Science College Amravati	19

for Magnetic Fluid Hyperthermia toward Non invasive Cancer Treatment						
Tuning of physical properties of multifunctional Mg-Zn spinel ferrite nanocrystals : a comparative investigations manufactured via conventional ceramic versus green approach sol-gel combustion route	P.P. Khirade, A.R. Chavan, S.B Somvanshi, J.S. Kounsalye, K. M. Jadhav	Materials Research Express 7(11) 116102	2020	4	Shri Shivaji Science College Amravati	4
Optical Properties of Cu ₂ O and CuO	S.M. Butte, S.A. Waghuley	AIP Conference Proceedings 1953 (1), 070005	2020	3	Shri Shivaji Science College Amravati	3
Lanthanum Doped Strontium Titanate nanomaterial for Photocatalytic and Supercapacitor Applications.	V.V.Desh mukh, H.P. Nagaswarupa, C.R. Ravikumar, M.R. Anilkumar, T.R. Shashi Shekhar, H.C. Ananda Murthy	Asian Journal of Chemistry	2020	3	Shri Shivaji Science College Amravati	3
Sol-gel auto- ignition fabrication of Gd ₃ incorporated	D.B. Pawar, P.P. Khirade, V. Vinayak, L. S. Ravangave, S.M	SN Applied Sciences, 2, no. 10 (2020): 1-12.	2020	3	Shri Shivaji Science College Amravati	3

Ni _{0.5} Co _{0.5} Fe ₂ O ₄ multifunctional spinel ferrite nanocrystals and its impact on structural, optical and magnetic properties	. Rathod					
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

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 review on herbal remedies for sexually transmitted infections (stis) from melghat region of maharashtra state, india	Khedkar D D	European journal of medicinal plants	2020	2	Nil	Shri Shivaji Science College Amravati
Lanthanum Doped Strontium Titanate nanomaterial for Photocatalytic and Supercapacitor Applications.	V.V.Deshmukh	Asian Journal of Chemistry	2020	2	3	Shri Shivaji Science College Amravati
Analytical Study of Big Data Security Issues and It's Tools and Techniques	Ujwala S. Junghare	Journal of Emerging Technologies and Innovative Research (JETIR)	2020	3	Nil	Shri Shivaji Science College Amravati
		Journal	2020	3	Nil	Shri

Arbuscular Mycorrhizal and endophytic (DSE) association in the dominant grasses of Melghat forest (Phase -II), India	Maggirwar, R. C.	of Plant Science Research				Shivaji Science College Amravati
Synthesis and Magnetic studies of Co-Sn doped Nanoscale Calcium Hexaferrites	N.N. Sarkar	Journal of Physical Science	2020	3	Nil	Shri Shivaji Science College Amravati
Synthesis and Ultrasonic Interferometric Study of Coumarinyl Derivatives	P.A. Nagpure	International Journal of Emerging Technologies and Innovative Research 7 (2), 220-225	2020	6	Nil	Shri Shivaji Science College Amravati
Hyperthermic evaluation of oleic acid coated nano-spinel magnesium ferrite: enhancement via hydrophobic-to-hydrophilic surface transformation	P.P. Khirade	Journal of Alloys and Compounds Vol 853 (2020): 155422.	2020	15	43	Shri Shivaji Science College Amravati

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Presented papers	9	32	4	5

3.4 – Extension Activities

3.4.1 – 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
Blood Donation Camp	National Service Scheme, Shri Shivaji Science College, Dr. Panjabrao Deshmukh memorial medical college Amravati.	3	84
Water Conservation: Construct of Bund / Bandhara	National Service Scheme, Shri Shivaji Science College, village Kamunja near Walgaon	3	100
Four day Webinar Series on Application of Remote Sensing in Hydrology and Environment	Dept. of Environmental Science and Dept. of Geology	5	528
Environmental Science GIS Based Quiz	Department of Environmental Science, Shri Shivaji Science College, Amravati Geotech GIS Training Institute, Aurangabad	3	55
Video Contest	Department of Environmental Science and IQAC (Internal Quality Assurance Cell), Shri Shivaji Science College Amravati	3	15
Matiche Ganpati Basva: Environment Friendly Ganesha	UG and PG Environmental Science with Mungsaji Maharaj Organization	3	30
Summer Research Training Programme (SRTP) under CSIR	CSIR NORTH EAST INSTITUTE OF SCIENCE AND TECHNOLOGY, JORHAT	1	33
Workshop on Mushroom	Vinayak Vidnyan Mahavidyalaya,	1	63

Cultivation Technology and Farming	Nandgaon (Kh)		
Drug Discovery Hackathon 2020 (DDH2020)	AICTE, CSIR and supported by Office of Principal Scientific Advisor, Govt. of India, NIC and MyGov.	1	8
View File			

3.4.2 – 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
Nil	Nil	Nil	Nil
No file uploaded.			

3.4.3 – 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
Swachh Bharat	Environmental Science Department, Shri Shivaji Science College, Amravati and Zilha Parishad Amravati	Swachha Sarveshan (Gramin)	3	45
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
COLLABORATIVE ACTIVITY SEPAKTAKAR COACHING CAMP AND TOURNAMENT	16	NA	10
Research Support for Sample Analysis	8	NA	2
Participation in CSIR-Summer Research Training Programme - 2020	34	NA	90
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3.5.2 – 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	Name of the	Duration From	Duration To	Participant
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	linkage	partnering institution/ industry /research lab with contact details			
Internship	<p>Internship Programme M.Sc. Environmental Science students at Geotech GIS Training Institute, Aurangabad Gajanan Maharaj Mandir Road, Opposite CADA office, Aurangabad</p>	<p>Geotech GIS Training Institute, Aurangabad Gajanan Maharaj Mandir Road, Opposite CADA office, Aurangabad 91 9096244262 d irectorgeote chinstitute@gmail.com Vishal Nagar, Opp. CADA Office, 7 hills to Gajanan Maharaj Mandir Road, Jalna Road, Aurangab</p>	01/12/2019	31/01/2020	5
Internship	<p>Internship Program with VLife Technologies, Novalead Pharma Pvt. Ltd. Pune. for M.Sc. Bioinformatics Students</p>	<p>VLife Technologies (A division of NovaLead Pharma Pvt. Ltd.) 2nd and 3rd Floor, Plot No-05, Next to Sapling Nursery, Ram Indu Park, Survey No-13 1/1b/2/11, Baner Road, Pune 411045, Maharashtra. Tel : 91 7066233033 / 8669656660</p>	01/12/2019	31/01/2020	3
Internship	<p>Internship Program with Arvinda Biosolutions, Hyderabad. for M.Sc. Bioinformatics</p>	<p>ARAVINDA BIOSOLUTIONS (a division of aravinda technologies) #311, Windsor</p>	01/12/2019	31/01/2020	5

	Students	Plaza, Shankermutt, Nallakunta, Hyderabad - 500 044, Telangana, India. Phone : 91-40-6662 8773, 91-0-9 391187818 E- mail : enqui ry@aravindab io.com For Training : arav			
Internship	Internship Program with Arraygen Technologies Pvt. Ltd., Pune for M.Sc. Bioinf ormatics Students	ArrayGen Technologies Pvt. Ltd. Raj Tower 3rd Floor, Shivaji Chowk, Near Shivaji stat ue, Kothrud, Pune, Maharashtra 411038 (India) Phone :: 91 2025395446 Mobile :: 91 9673038446 Mobile :: 91 9673625446 Skype :: arraygen E- mail :: info @arraygen.co m	01/12/2019	31/01/2020	10
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3.5.3 – 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
Vidarbha Ayurved Mahavidyalaya, Amravati, Dhanwantari Nagar, Chhatri Talao Road, Amravati (MS)	19/10/2020	Collaborative Research	5
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
114.66	109.64

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Newly Added
Others	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Video Centre	Newly Added
Seminar halls with ICT facilities	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Newly Added
Seminar Halls	Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	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
LIBMAN	Fully	LIBMAN CORE	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	24346	3785728	1706	541000	26052	4326728
Reference Books	906	369233	19	171809	925	541042
Digital Database	769	752170	18	20449	787	772619

Digital Database	1	13570	2	19470	3	33040
CD & Video	206	60131	Nil	Nil	206	60131
Library Automation	1	Nil	1	Nil	2	Nil
Others(s pecify)	7852	1940651	610	454333	8462	2394984

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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
Nil	Nil	Nil	Nil

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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	263	3	203	2	3	2	14	512	4
Added	66	0	60	1	1	0	0	0	1
Total	329	3	263	3	4	2	14	512	5

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

20 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
Innovative Pedagogy Development Centre	https://www.shivajiscamt.org/pages/ipdc_facilities.php

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
8.5	8.28	105	105.53

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)

The infrastructure is used optimally from 7.00 am to 6.30 pm. The

infrastructure is often used by University / G.O. / N.G.O. for conducting competitive exams and other co-curricular activities. The optimal utilization of the physical infrastructure is properly planned by the Principal in consultation with the IQAC and the other related college Committee. Maintenance of institute infrastructure means monitoring, servicing and facilitating up keep of the instrument, equipment, gadget, functional space, institute building, etc. to make it operational with or without external help of professionals. Policies and Procedures for maintaining and utilizing Physical, academic and support facilities: College has established systems and procedures for maintaining and utilizing Physical, Academic and support facilities.

College has regular maintenance and periodic replenishment of essential facilities. College policy is to have effective mechanism for the upkeep of the infrastructure and other facilities as to have optimum utilization of the facilities in order to have effective college functioning. The policy for maintenance of infrastructure depends on (a) type of infrastructure, (b) nature and frequency of its occupancy or utilization, (c) functional life and durability, (d) functional essentiality, and (e) price of item. The Repair and maintenance of physical, academic and support facilities: The repairs and maintenance of Classrooms, library, Laboratory, and computers and other physical, academic, and support facilities is a continuous process. Further, the college has well-defined guidelines and procedure for repairing and maintenance activities to ensure time-bound maintenance work. The college has established systems and procedures for maintaining and utilizing physical facilities as below: • All the physical, academic, and support facilities are augmented and maintained through various college committees such as College Development Committee (CDC), Library Committee, Building Committee, Purchase Committee, UGC Planning Committee, Campus Discipline and Cleanliness Committee, etc. • At the beginning of every academic year, proper availability of blackboards, lighting, ICT based facility and furniture in classrooms etc. is taken care of by these committees. • Library Advisory Committee is functional which takes care of the library matters and functions. • Physical education department has the responsibility for the creation and maintenance of sports facilities on the campus for the students and the faculty. Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs) Year 2019-2020 INR in Lakhs 113.80 The expenditure incurred on maintenance during last five year (2015-2020) as- S.N. Maintenance 2019-20 in Rs. a. Building 18,13,567/- b. Furniture 1,08,430/- c. Equipment 23,18,904/- d. Computers 16,21,945/- e. Vehicles -- f. Any other 55,17,551/- Total amount in Rs. 113,80,197/- Total amount INR in Lakhs 113.80 a) Infrastructure facilities: The MCVV Building maintenance department of the college provides masons, plumbers, carpenters and other required human resources for repairs and maintenance whenever necessary and the minor maintenance is done at college level. Regular maintenance reports are maintained at college level and any new proposals for change/addition of infrastructure shall be taken care of from time to time.

https://www.shivajiscamt.org/pdf/Proc_Policies.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	Nil	Nil	Nil
Financial Support from Other Sources			

a) National	GOI Scholarships,GOI Freeships, Minority,Rajarshi Chatrapati Shahu Maharaj Scholarship (RCSM)/(EBC),	1051	3554568
b)International	Nil	Nil	Nil
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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
Soft Skills	01/07/2019	570	Shri Shivaji Science College, Amravati
Language and Communication Skill	01/10/2019	40	Shri Shivaji Science College, Amravati
Life skills (Yoga, physical fitness, health and hygiene)	25/09/2019	279	Shri Shivaji Science College, Amravati
ICT/computing skills	03/08/2020	874	Shri Shivaji Science College, Amravati
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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
2019	Open book examination	34	Nil	Nil	Nil
2019	Shivaji Yuvabhushan 2019, 22nd December 2019	17	Nil	Nil	Nil
2019	Amravati Start Up Business Plan Competition: Awareness programme on 29th Aug. 2019	Nil	182	Nil	Nil

2019	Access to Employability 15th September, 2019	Nil	78	Nil	Nil
2019	General Intelligence Test, 24th September 2019	Nil	78	Nil	Nil
2019	"Young Inspirer initiative, "Ghe Bharari" on 23rd August 2019"	Nil	234	Nil	Nil
2019	"Bolu Aise Bol" : Inspirational Lecture, September 25, 2019	Nil	131	Nil	Nil
2019	NET SET Guidance	Nil	22	Nil	Nil
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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
Geotech GIS Training Institute and Consultancy Services, Aurangabad	66	4	Macleodes pharmaceutical Pvt LTD, Sci-edge Abstract, Cognizant Technologies Pvt. Ltd. Pune, IT Infotech, Shri Shivaji Education Society, Melghat Tiger Reserve,	220	44

Field
Biologist

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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	43	B.Sc, BCA	Shri Shivaji Science College. Amravati	SGBAU, Amt, MIT WPU, Pune, GVISH, Amaravati, Vidya Bharati, Mahavidyalay Amravati, Brijlal Biyani Science College, Amravati, Fergusson College, Pune, Dr. D.Y Patil Arts, Commerce Science College, Akrudi, Pune	MSc, MCA, MBA
2019	9	MSc.	Shri Shivaji Science College. Amravati	Shri Shivaji Science College. Amravati, SGBAU, Amt	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	5
SLET	3
GATE	3

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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
Table Tennis, Judo	Inter college tournament	2
Swimming	Inter college tournament	2

Foot Ball	Inter college tournament	16
Cricket	Inter college tournament	15
Volley ball	Inter college tournament	10
Chess	Inter college tournament	5
Badminton	Inter college tournament	8
Ball badminton	Inter college tournament	20
Archery, Athletics	Inter college tournament	11
Soft Ball , base ball, hand ball, basket ball	Inter college tournament	76
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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
2019	Runner Basket Ball, Silver medal- Judo and Swimming	National	5	Nil	Nil	1) Sukhada Deshmukh 2) Sampda Deshmukh 3) Aachal Puri 4) Yamini Sawarkar 5) Sakshi Khande 6) Aachal Choudhari 1) Dhananjay Nakhale 2) Rohit Rathod 3) Abhay Mahajan 4) Prajwal Sawke 5) Anand Vighe 6) Yash Raghuvanshi Nandini Jadhav Arpit Gupta

2019	1) Kawaali - third place	National	Nil	2	Nil	Rasika Kharat Manali Pande
2019	TSC Delhi	National	5	Nil	Nil	JUO Pratik Chaudhari SUO Rushikesh Burghate SUO Vaishnavi Banokar SUO Kamalika Bagade Abhishek Gawali

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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)

Functioning of Students' Council: The college has a Student Council whose secretary also serves as the college representative to the University Student Council. The Student Council of the college is constituted as per section 40(2) (b) of the Maharashtra University Act 1994. Class representatives are nominated, one from each class on the basis of academic merit. Two representatives of ladies and one student representative each from NCC, NSS, Games and Sports, Cultural activities are nominated. The secretary of Student Council is elected through these members. The major activities of the Student Council include the maintenance of general discipline and to create a conducive atmosphere for curricular, co-curricular and extra-curricular activities in the college. It also endeavours to solve students-related problems from time to time. It organizes different functions in the college including annual social gathering (Shivostov), felicitation programme for meritorious students, celebration of Youth Day, Teachers' Day, Science Day, Environment Awareness Programmes, etc. The Students' Council represents over 1200 college students and their specific needs. Students are also given direct access to the Principal to represent their specific concerns and needs for speedy solutions. All the activities of the College Council and their interactions with the Principal, the College Council or IQAC are carried out in a proper democratic spirit. Regular meetings of Students' Council Executive members, class representatives and in-charges of departmental associations of students are held to plan and carry out the programmes to be organized. Conveners of the committees guide and facilitate such activities. Student's representation in other College Committees: A staff advisor is assigned to each of the college committees. The IQAC, Canteen Committee, Anti-ragging Anti Sexual-harassment Committee, Sports Cultural Committee, Women empowerment Committee, Library, NCC, NSS, Nature Club and National Science Day Committee etc. also function with the active support and participation of the student community through their representatives. Students' Representation in 'Shivostov' : The council organizes various extra and co-curricular activities for students like Shivostov (College Social Gathering) for promoting art, music, theater, literature, Rangoli, Photo-gallery etc. The Sports Fest is also organized which comprise events in cricket, football, etc. Student's representation in Subject Associations/Clubs: Each Department of the College has an Association to co-ordinate various student activities. A member of the faculty is given charge of

the association. The President and the Secretary along with the Executive Committee to assist them are elected for organizing the activities of each subject association. Apart from subject associations, some departments have formed Zoological Club, Environment Cell and Eco-Friends. Students' Representation in Avishkar and Conferences: College Council and Science club actively involve in the organization of District-level Research Project Competition- 'Avishkar' and national level conferences organized by various departments of the college. Students' Representation in NSS, NCC Red Ribbon Club: The NSS, NCC and other national level voluntary organizations such as Red ribbon club functions very effectively in the College. Students can join these organizations which are engaged in grooming the youth of the country into disciplined, socially oriented and patriotic citizens.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institution has a registered Alumni Association with the Registration No. Maharashtra / 700/ 06 Amravati. The Alumni Association of Shri Shivaji Science College, Amravati has been functioning for many years as a supportive and mentor unit of the college. The college has illustrious alumni who are spread over different parts of our country and also in different parts of the world. The Association has been playing a key role in keeping them all connected to their alma mater. It has been consistently taking efforts to implement various activities aiming to add to the overall development and reputation of the college. Financial Contributions- As per the decision of the Alumni Association, financial assistance is provided to economically backward students for pursuing higher education. Over the last five years, a good number of alumni have contributed generously. Alumni members of the various departments donated books to the Departmental library. The voluntary book donation scheme has evoked good responses from alumni and teachers. Scholarship and Medals: Yearly Alumni Meet is arranged and merit students of our college are felicitated with Medals, mementos and books. The Alumni Association has instituted scholarships and endowments to the meritorious students during the last five years. The scholarship is awarded to students during the Youth Day Celebration in the college. Non-financial Contributions- Teachers' Day Celebration: Every year at the Teachers' Day Celebration on 5th September, retired teachers are felicitated by our alumni association. Alumni Lecture Series The alumni association has conducted a lecture series in different subjects by arranging lectures by distinguished alumni of the college. This series of lectures intends to utilize the contributions of our alumni in the academic enrichment of the college community. The programme also offers opportunities for the outgoing students to interact with our renowned alumni in diverse fields and emulate their models. As part of this, guest lectures were given by our prominent alumni during the last five years. Gift of Bicycles to Students- Our strong Alumni have instituted a useful program for the economically weaker students, entitled 'Gift of Bicycle'. Every year College Guardian Teacher Committee shortlist the economically weaker students from the newly admitted students of the institution and on the occasion of the Independence Day- 15 August the 'Gift of Bicycle' Program is executed by the Alumni association and College NSS committee. Career Guidance and Placement Services- Alumni members who hold administrative positions conduct career guidance programmes and offer Placement services to the students to help achieve their career goals. Motivation and Guidance Camps are also organized for students by some of our IAS Alumni. Curriculum Feedback- The Alumni members register their feedback on curriculum on-line.

5.4.2 – No. of enrolled Alumni:

231

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

96001

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Executive Meetings- 02 Date- 19/08/2019 and 14/12/2019 Alumni General Body Meeting- 01 Date 28/12/2019

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)

Decentralized and Participative management • All faculty members have the freedom to involve themselves in the decision making process during the meetings of the College council, the Council of Heads and the IQAC and as members and/or conveners of the various committees. • Active role of the IQAC members in the management of academic events organized in the college. • Students actively participate in various activities as a part of SPQA and the Students' Council. • Under the supervision of the principal the college authority provides complete autonomy to the heads of the department in planning and implementation of the teaching-learning plans, research, extension events and student related academic and extracurricular activities. • Delegation of the power to sanction the casual leave of the staff. • The budget is allotted through the principal as per the need of the respective departments and according to programs. • Autonomy is given to the departments to utilize the allotted budget as per the requirement. • Decentralization of work and/or governance through more than 32 various committees. Council of Heads: The council of heads of all departments is in operation since many years in the institution, which meets at least four times in a year. The decisions about teaching schedule, budget allocation, academic development issues, results, students related activities are taken in consensus with all members. Also the powers of sectioning of casual leaves of the teachers and nonteaching staff are given to the heads of department. IQAC: IQAC has been formed as per the NAAC revised guidelines, which consists of teachers, nonteaching staff, management representative, student, alumni, stakeholder and industrialist. At least four meeting are held every year in which the decision about quality enhancement in academic, infrastructure, administrative issues are planned and monitored through the Academic Audit of the departments

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
Teaching and Learning	The teaching schedule (Time Table) is prepared at the beginning of the session and is implemented. • Academic diaries, with micro teaching plans are maintained. • ICT and other teaching aids are employed in the teachinglearning process. • Library stores the most recent books, reference

volumes, periodicals, journals and e-resources. • Well equipped laboratories. • Learners' performance is assessed through continuous evaluation process such as unit tests, assignments, seminars and projects. • Remedial coaching classes are conducted for slow learners. • The Academic Audit is conducted by IQAC and suggestions are implemented. • Organize science popularization programs and other scientific events. • Promote the faculty improvement through refresher courses, orientation programs, and short term courses.

Research and Development

Nine research laboratories recognized by SGB Amravati University. • Efforts to increase the intake capacity of research laboratories and obtain recognition of new laboratories. • Central Instrumentation Cell for advanced research studies. • Establishment of MoUs and Collaborations with various institutes /and/or research organizations to improve the research facilities • Undertake interdisciplinary and society oriented research projects. • PG students are encouraged to involve in research activities through the project works as a part of curriculum.

Industry Interaction / Collaboration

College extends full support and gives a free hand to PG and research departments to establish the collaboration with industry for the exchange of information over research and for providing training to the students during their internship.

Admission of Students

UG admissions for all the programs institute admits students through online application process and then the merit list is prepared. Accordingly the students are admitted as per the government rules. The PG admissions are made through the merit list prepared by the respective departments in accordance with the reservation rules.

Human Resource Management

Parent management has established Dr. Punjabrao Deshmukh Human Resource Development and training centre, to train and to create the skilled and highly professional manpower. • The state Govt. rules, regulations and reservation policies are strictly adhere in recruitment of teaching and non teaching

Curriculum Development	<p>The institution focuses on multi skill development of students in order to ensure employability. • The Choice Based Credit System followed at present in the college facilitates horizontal movement, enabling students to make their choices. • All the Skill Based Elective courses are available to students irrespective of their major subjects. This facility enables students to choose the courses of their choices.</p>
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6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Finance and Accounts	<p>Functions of the finance and accounts are precisely defined and are strictly followed with proper accounting practices making record of each financial transactions using egovernance mechanism. This has helps keeping records of receipt of funds, projects, consultancy income, donations, staff salary and all types of purchases and payment of various utility bills and taxes.</p>
Student Admission and Support	<p>Students who desires to take admission for UG and PG program of the institute are required to make online application on institute's MIS system by registering themselves. The data collected through this process is further used for making merit list and admission list of the eligible candidates and for online payment of the necessary fees.</p>
Planning and Development	<p>The MIS helps in distributing students in batches through batch management, the faculty, subject. It allows students to select Choice Based Electives. At postgraduate levels the allotment of research topics, research guides, Research seminars and critical reviews are done using MIS systems. This MIS system has students and Employee Grievance module which helps in overall development of the Institute.</p>
Administration	<p>- Administrative MIS modules of the institute helps in keeping service records of all the employees maintaining service books, promotion records, seniority etc. and their total emoluments and the records of their provident fund.</p>

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 V J Gaikwad	International Web coference on science Engineering and Technologypre sented a paper on Discussion on Dynamics of some systems in K-MOND	Nill	1000
2019	U M Patil	National workshop on Recent Research Trends in Mathematics attended	Nill	500
2019	Dr.C.S.Ukesh	National Conference on Innovative Research in Science Technol ogy-NCIRST 2019(Paper Presentation)on 17-18 Dec.19	Nill	2000
2019	S.S.Mankar	State level One Day Workshop on Teaching Methodology :Need of Todays Higher Education on 4 th Jan.2019	Nill	300
2019	S.S.Mankar	National Conference on I nnovativeResear ch in Science T echnology- NCIRST 2019(Paper Presentation) on 17-18 Dec. 2019	Nill	1000
2019	S.S.Mankar	Workshop on Training on	Nill	4000

Bacterial Identification and Antibiotic Sensitivity Testing Using Vitek-2 on 10th -12 Jan 2020

2019

Dr.D.V. Hande

National Conference on "Innovative Research in Science Technology" (NCIRST-2019) organised by Department of Chemistry, Shri Shivaji Science College, Amravati during 17-18 Dec 2019.

Nil

1000

2019

Dr.D.V. Hande

National Conference on 'Recent Advances in Biodiversity, Biology and Biotechnology of Fungi' along with The 46th Annual Meeting of Mycological Society of India organised by Department of Biotechnology, School of Life Sciences, Pondicherry University

Nil

1000

2019

Dr.D.V. Hande

International conference on Innovative Research trends in Life Sciences organised by Dept of Botany Shri Shivaji College, Akola during 3 to 5 Dec 2020

Nil

1500

2019

S.G.Ingle

National Conference on

Nil

1500

Contemporary in
Liberary
Information
Science, Social
Science and
Technology for
Virtual World

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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Nil	Training programme for nonteaching staff on ERP Module	12/06/2019	12/06/2019	8	11
2020	Online workshop on Effective enforcement of IPR: Patent and Copyright	Nil	17/06/2020	17/06/2020	145	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
Refresher Course	3	10/06/2019	08/06/2020	21
Orientation Programme	17	10/06/2019	01/06/2020	21
Faculty Development Programmes	20	10/06/2019	30/05/2020	07

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
20	20	Nil	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
08	08	20

6.4 – Financial Management and Resource Mobilization

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

Internal Audit: The yearly internal audit is conducted by a Chartered Accountant appointed by the parent management and is approved in the LMC. •
External Audit: Yearly audit is conducted by agencies deputed by the state government such as, the Senior Auditor and the Accountant General of Maharashtra State.

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
Shri Shivaji Education Society	5000000	Infrastructure Development
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6.4.3 – Total corpus fund generated

18048

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	Nil	Nil	Yes	IQAC
Administrative	Nil	Nil	Yes	IQAC

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

Nil

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

1. Capacity Building 2. Health Check up 3. Staff Development Training Program

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

1. Received CPE grant from UGC 2. Received FIST programme grant from DST 3. Renovation of Laboratories 4 Organized NAAC awareness programmes
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6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – 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
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2019	One- Day Workshop On: Preparation for Assessment through NAAC New Methodology	19/11/2019	19/11/2019	19/11/2019	44
2019	STUDENTS AWARENESS PROGRAMME	06/08/2019	06/08/2019	06/08/2019	243
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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
Women's Day Celebration-2020 (Theme: - Generation Equality and Women Rights)	12/03/2020	12/03/2020	150	5
An activity on Beti Bachao- A folk song on beti Bachao recited in the school assembly at shivaji multi high School, Amravati by our college team on dated 29th August 2019. Through the folk song the role of women as mother daughter sister better half	29/08/2019	29/08/2019	250	25
Skit on Superstition In AN EFFORT TO ENCOURAGE GENDER EQUITY	25/09/2019	25/09/2019	75	40
Induction Programme for Students	06/08/2020	22/08/2020	200	100

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 institute has installed Solar Panels and 75 infrastructure was depending on this facility. College hostel building is also equipped with solar panels on the terrace. Energy Conservation is achieved through the following: • Minimum use of electricity by shifting to the CFLs and other ecofriendly products with star rating in power saving. • The lights and fans are switched off by students and staff whenever classrooms and laboratories are not in use. Use of Renewable Energy: • The college has installed solar lamps on the route from the main gate to the college building. • Solar water heater has been installed in the girls' hostel. • Solar System of 30 KW has been installed to generate electricity, which minimizes the electricity consumption and expenditure.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	20
Ramp/Rails	Yes	100
Rest Rooms	Yes	300
Scribes for examination	Yes	10
Special skill development for differently abled students	Yes	10

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
2019	1	1	30/12/2019	8	NSS Residential Camp	1) Maintain cleanliness to prevent diseases like malaria and dengue 2) Water conservation 3) Supertation eradication 4) To aware people about local employment	150

2019	1	1	23/08/2019	1	Donation collection for flood affected people of Kolhapur-Sangli	Support and Co-proration to flood affected people of Kolhapur-Sangli	200
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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)
Code of Conduct	11/06/2018	Code of Conduct observed and monitored by college administration for every stakeholder
Professional Ethics	18/06/2019	Professional ethics followed by every stakeholder

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Constitution Day	26/11/2019	26/11/2019	43

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

1. Restricted Entry of Automobiles: The college observes Green Thursday by following the use of public transport or bicycles. In the core campus of the college, no automobile vehicles are allowed. 2. Use of Bicycles: Students, teachers and the non-teaching staff of the college are encouraged to use bicycle on every Thursday. Most of the students of our college come from the nearby rural area and they prefer bicycles to reach the college, thus contributing a lot for maintaining pollution free campus. 3. Ban on Use of Plastic Plastic free campus • Plastic-Free Campus: Committed to reducing carbon neutrality and plastic pollution, the students are encouraged to minimize the use of plastic bags and non degradable polymer material for their day to day activities. It is pride to mention that the stakeholders reciprocate in a very positive way to the institute for this global cause. The use of plastic is also banned in the college canteen. • Paper-bag Making Workshop is also organized in the college for promoting environment-friendly activities. 4. Landscaping with Trees and Plants: • The college campus is beautified by Green Landscaping with tree and plants • Plant sapling and large no. of plants are donated to various places where plantation is needed. • Ecofriends was celebrated the "Raksha Bandhan" in a special way by tying Rakhis to trees in the college campus. As trees are beneficial to mankind in all aspects, the main aim behind this event was to spread awareness regarding conservation of trees. • Our PG students make use of micro scale techniques and carry out Tree plantation activity on the Independence Day every year. 5. Paperless Office: The office is well equipped with computers to maintain all types of records. Hard discs and Scholar Software Programme are used to maintain e-records. It also promotes electronic means of communication. One-side blank pages are used for certain prints by the office. 6. Solid waste management The institution strongly believes in the motto "Reduce. Reuse. Recycle". The campus is a Plastic Free Campus. The college has adopted a Green Protocol to deal with the issue of waste management

on the campus. Reducing the waste generated, is a regular practice on the campus. Several programs are held as zero waste initiatives. In several such events plastic carry bags, disposable cups and plates, tissue papers are banned. Proper maintenance of infrastructure and timely repair of furniture is done to minimize solid waste. During cross stock verification of all the departments material WRITE OFF is a regular practice. Paper is the major source of waste generated on the campus. Paper waste generated is separated into recyclable and non-recyclable and is sent to the local traders. Online submission of assignments has substituted the use of papers. The college office is progressing towards a Paperless Office.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice: "Environmental Air Quality Monitoring of Amravati City" 1. Objectives of the Practice ? To facilitate the background concentration measurement ? To monitor current levels of air quality assessment. ? To check the air quality relative to standards. ? To detect the importance of source ? To compare the air quality data from different areas in city ? Collect the data for the air quality management, and traffic purposes ? To determine the exposure and assess the effect of air pollution on health, vegetation or building material ? Inform the public about the air quality and raise the awareness. 2. The Context Smart cities are urban spaces that provide a decent quality of life to their citizens by offering a clean and sustainable environment. For a Smart city, it is necessary to monitor the environmental conditions for identifying the sources of pollution and mitigate them. A network of low-cost air quality monitoring sensor nodes can be deployed to monitor air quality and meteorological parameters across the city. Through pollution source detection, the city can take corrective measures and improve its environmental health. A holistic view can be derived, which enables the authorities to make data-driven decisions for infrastructure and policy planning. 3. The Practice: The Environmental air quality determination was a part of a B.Sc. IIIrd and M.Sc. Ist as well as IInd year assessment mentioned in syllabus of Sant Gadge Baba Amravati, University Amravati that was carried out with students of Environmental Science every year using environmental tools by student with the help of departmental teaching staff. The air quality monitoring was conducted with the help of fine dust sampler. Near about the 3 station were selected for this activity in Amravati city. The stations were selected from industrial area, commercial area and residential area. Monitoring was done one in week (Tuesday, Thursday and Saturday) on all sampling station. Sampling was done for a period of 24 hours. The monitoring was carried out in the intervals of 8 hours to evaluate the RSPM parameters. Likewise, in the intervals of 4 hours for NOx and SOx. The parameters selected to determine air quality were RSPM, NOx and SOx. Gravimetric method was used for the determination of RSPM. 4. Evidence of success: Environmental air quality monitoring help individuals to avoid or reduce behavior that contribute to negative environmental impacts as well as undertake behavior that contribute significantly to positive impacts. We model impact of current policies on future air quality for Amravati city. Comparison with alternate stringent air pollution and climate policy scenarios. Students will carry out an applied research project in the natural sciences. Environmental attitudes should be enhanced through interaction with the environment, which enables students to learn useful skills, develop a sense of responsibility, and increase a personal and collective sense of competence for promoting responsible environmentally friendly behaviour. 5. Problems Encountered and Resources Required Sampling of air is time complicated and continues task at selected sample site. Numbers are time people not cooperated and other technical problems are come. 2. Title of the Practice: Fabrication of learner's friendly experimental kits/ instruments

using devices/spares from non-repairable equipment and e-wastes. 1. Objectives of the Practice Components and other small devices/parts of non-repairable equipments are used to fabricate new experimental kits / power supplies. This is one of the best practices of the Physics department. 2. The Context Waste management Steps Include • A minimal e-waste generation is ensured by periodic maintenance of computers, electrical and electronic equipment. • Troubleshooting in equipments and experimental kits is done by faculty and laboratory staff. • Minor repairs are done by the students under the guidance of faculty. • Components and other small devices/parts of non-repairable equipments are used to fabricate new experimental kits / power supplies. This is one of the best practices of the Physics department 3. The Practice The department of Physics have contributed a bit to counter this issue in the last few years. The department has started reusing the electronic components from the discarded instruments, PCs, UPS, etc such as transformers, transistors, ICs, Capacitors, Inductors, Resistors, Connectors, Sockets, Switches, Wires, LEDs and other electronic or electrical devices to fabricate the instruments and experimental kits that are used in the Physics Laboratory. The students and faculty have also involved in the maintenance and repairs of the instruments and experimental kits, which led to increase their life and the optimum uses. This have not only become a step towards the E-waste management but also cultivated innovative ideas among the students and the faculty. The students have also gained many skills through these activities. The highlighting outcome of this activity has seen during the COVID-19 Pandemic. The students in consultation with teachers have fabricated UV sterilizing chamber and automatic liquid sanitizer dispenser machine through house hold e-waste and it is then distributed to needy people. The students of UG and PG have fabricated about 25 percent of the instruments/ experimental kits in their laboratory with the consultation of teachers.

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

https://www.shivajiscamt.org/pages/best_practises_naac.php

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

- This college comes under Shri Shivaji Education Society, Amravati which is a premier educational institution providing quality education since 1931. It is second largest in the state of Maharashtra. The college has been trying at its best to fulfill the aims and objectives of Dr. Panjabrao alias Bhausaheb Deshmukh who established this society especially to quench the thirst of the neglected and the downtrodden. This visionary leader has uplifted the whole of our region by establishing this education hub. • Ours is the first college in the entire S. G. B. Amravati University to have accredited with NAAC in 2001 with A Grade. This college is committed to provide quality education and promote research that will contribute to the continual development of our society. We are celebrating the Golden Jubilee Year of our college and we feel elated and proud to have achieved significant milestones like being identified as 'A' Grade College consecutively three times by NAAC, UGC-CPE, DST-FIST and University Lead College. • Research is the basis of all inventions and this college has been taking right initiatives to promote the research activities through 09 Research Centers and 07 P.G. Departments. • The Central Instrumentation Cell and The Department of Environment Science provide consultancy for the analysis of water, soil and air samples • This college undertakes quality initiatives within the college, at society level and also at University level being the lead college of the university. • We have a rich heritage of academic merits. Moreover, the students of this college have brought laurels in the field of Sports and also in cultural events at

university and state level. • The college is committed to promote gender equality in our society. We have 72 girls-students in all. This greater percentage of girls owes its credit to the secured, disciplined and healthy academic atmosphere of the college. • The entire college campus is Wi-Fi with 100 mbps internet speed through fiber optic cables. • This college has been catering to the needs of the poor and needy students • Moreover the college runs Ecotourism and Wildlife Photography Career Oriented Programme. • The college office works through the Management Information System • The college has a well-equipped infrastructure. We have taken care of the environmental issues by establishing solar energy panels and also the water harvesting project. We have switched over to use LED bulbs and tubes throughout the campus. • Green Audit of the Institution is done every year. We boast of having a Green Campus Plastic-Free Campus. Solid and Liquid Waste Management system is properly implemented. We observe No Vehicle Day on every Thursday for the Staff. Three of our staff members are members of the Editorial Board of 'People Biodiversity Register of Amravati District: A Baseline Data'. • The college has a strong registered Alumni Association which include M.P.s, M.L.A.s, I.A.S. Officers, Mayors, renowned industrials, entrepreneurs, doctors and engineers, teachers and researchers. • We have a strong N.C.C and N.S.S units which facilitate human values and ethics.

Provide the weblink of the institution

https://www.shivajiscamt.org/pages/institutional_distinct.php

8.Future Plans of Actions for Next Academic Year

I. Action Plan in view of Curricular Aspect 1 Value Education Programmes 2 Summer Course in Experimental Physics for B.Sc. II and III students from SGB Amravati University Region. 3 Introducing Add-On and Value Added Courses. II. Action Plan in view of Teaching, Learning and Evaluation 1 Bridge Course (Theory and Practicals) for the students of semester IIIrd and Semester Vth (2-7) 2 Induction Programme and Aptitude Test for B.Sc. I students 3 DST,DBT,IISER Supported "Pedagogy Workshop for UG,PG and Mathematics Teachers" 4 Information Literacy programme for 1st yea 5 Guest Lectures by different departments 6 Regular Counseling every day Evening 7 'Nikon School' Workshop 2 8 Visit to Water Treatment plant B.Sc. III Students 9 Organization of Talk for Motivation of Students for participation in Avishkar 10 Visit to Sewage Treatment plant B.Sc. III Students 11 Inauguration of ComSoft Society & a Workshop for P.G. 12 Visit to K. V. K/Agri Biotechnology College B.Sc. III students 13 Induction Programme 14 Aptitude test for B.Sc. I 15 Poster presentation competition 16 Organization of College level Avishkar 17 University Level Seminar / quiz, poster Competitions 19 Wildlife Week celebration and Zoological Excursion B.Sc. 20 Users' Orientation PG students 21 Industrial tour/ Excursion tour/Field visit 22 Soil Testing Analysis 23 Technotsav-an event of BCA students 24 Bird Watching & Bird Fest 25 Workshop on Interactive Skill Development for UG students 26 Workshop on GIS & Remote Sensing III rd year student + PG 27 Tissue culture lab visit of school students 28 NSD - Intercollegiate Competitions for UG and PG students / Guest lectures / Aptitude Test 29 Tissue culture lab visit of school students III. Action Plan in view of College Research Activities 1 Science Awareness Programme for school children 2 Chrysanthemum Workshop in collaboration with Garden club 3 Mushroom Cultivation Workshop 4 Interaction with school students 5 Nature camp cum Workshop in Melghat 6 Organisation of Conference / sEminar/ Symposium Estalbishment of MoU and Collabaorations 7 World Soil day-Interaction with Farmers of nearby area to create Soil Quality Awareness 8 Workshop for Researchers on "Development of Scientific writing skills" IV. Action Plan in view of Infrastructure Development 1 Upgradation of Laboratories 2 Upgradationof Seminar Hall V. Action Plan in view of Student Support and Progression 1 Annual Training Camp (ATC) 2 Workshop on Goal Setting 3 Selection trials of various games and sports to participate in SGBAU tournaments 4 Organization of Sports

coaching camp of various games for selected players: 5 Organization of SGB Amravati University Intercollegiate Tournaments 6 Alumni Meet 7 NSS Camp 8 College Day Celebration 9 Placement programme 10 'B' cert exam 11 Visit to Orphanage House 12 'A' cert exam VI. Action Plan in view of Governance and Management 1 NAAC New Methodology Awareness Programme 2 IQAC Meeting 3 CDC meeting 4 IQAC awareness programme 5 College Council Meeting 6 Academic Audit VII. Action Plan to Promote Human Values and Best Practices 1 International Yoga Day activity 2 Stock Verification 3 World Forest Day 4