



SHRI SHIVAJI EDUCATION SOCIETY, AMRAVATI'S
SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI



NAAC Accredited by Grade A with CGPA 3.13 (3rd Cycle)
UGC awarded status of College with Potential for Excellence (2nd Phase)
ISO 9000:2015 Certified College

Identified by DST , Govt. Of India for FIST & Sant Gadge Baba Amravati University as Lead College



4TH Cycle

Assessment & Accreditation by NAAC

Criterion-VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT

QIM – 6.5.2

The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Content:

1. Brief Report of Internal Academic Audit

2. Internal Academic Audit

**3. Reforms in the Methodologies of Teaching-Learning
Process (e-content)**



Accredited by NAAC with 'A' grade with a CGPA of 3.13
UGC Awarded College with Potential for Excellence ISO 9000:2015 certified College
Identified by DST for FIST and SGB Amravati University as Lead College

Shri Shivaji Science College

Shivaji Nagar, Morshi Road, Amravati - 444 603 M.S.

❖ *Founder* : Dr. Panjabrao Alias Bhausahab Deshmukh
❖ *President* : Hon. Shri Harshwardhan P. Deshmukh
❖ *Principal* : Dr. G. V. Korpe

E-mail : shivajiscamt.office@gmail.com

Web Site : www.shivajiscamt.org

(O) 2660855; (Fax) 2665485; (R) 2551400

Ref. No.: SSSC/6471/IQAC/2021

Date: Nov. 22nd, 2021

Declaration

The information, reports, true copies of the supporting documents, numerical data, etc.

furnished in this file is verified by IQAC and found correct.

Hence this certificate.

H. S. Lunge
IQAC Coordinator
Shri Shivaji Science College
Amravati



G. V. Korpe
Chairman IQAC and Principal
Shri Shivaji Science College,
Amravati

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

2016-17

IQAC

Report of Internal Academic Audit of 2016-17

The academic audit of all departments was conducted between **09/04/2017 to 14/04/2017**, including the library and sports departments. The Chairman of IQAC Principal Dr. V. G. Thakare was the chairman of AA committee, Dr. P.W. Deotare and Dr. H. S. Lunge worked as a member.

The committee members visit the departments and interaction were held on the various issues such as course covered, lectures engaged, quality analysis of University results, research publications and presentations, students' academic activities conducted, educational/ industrial tours, guest lecture organized and best practices

The formats were circulated earlier through mail for consolidated data of the department on 38 points format and the teacher wise information collected in another format consisting of 35 questions.

After analyzing the department wise AA formats, the following are the main observations: -

- All the teachers have completed their course curriculum before the start of university practical exam, Though the availability of the teaching days was less in post Diwali session, some of the teachers have also conducted extra classes.
- The university passing percentage of students is very good, it has been observed from the qualitative analysis, which shows variations in obtaining the marks more than 72%.
- The committee appreciated the conduct of the various student's academic activities by the departments.

- Chairman has taken the review of the infrastructural facilities, new requirements of each department.
- The committee also observed the next year planning of the department and suggests conduct/organize some innovative programs.
- The review of the collection of the information for FIST proposal was taken by the chairman.
- The committee suggested that in next year IQAC will revise the new format of AA which will be circulated at the beginning of the session.
- In the next session Env. Sc., Com. Sc. and Stat departments will submit the COC proposal to the UGC.
- Feedback mechanism will be implemented and analyze through computer by Com. Sc. Departments. The revised questionnaire will be prepared by the IQAC.
- Total teachers 54 of which 03 Professors, 24 Associate Professors and 27 Assistant professors.
- The teachers have completed 02 minor projects, 03 major and 02 minor are ongoing and 03 submitted.
- The faculty have published 48 papers in international journals and 19 in national journals and 23 in conference proceedings.
- In this year the teachers have attended 76 conferences / seminars and workshops.
- Teachers have presented 37 papers in conferences and seminars of national state level
- 16 faculty members have worked as resource person in conferences, seminars etc.
- 29 teachers are supervisors are 53 PhD students are presently working 07 have been awarded degree.
- 63 various extension activities organized by departments, NSS, NCC and Sports.
- In this year new 1010 books of different subjects are added.
- 29 computers have been purchased by all departments and office.
- 243 students have been benefited by Career Counseling scheme
- 47 students participated in Games and sports at university, regional and state, and National level.

- The AA interaction of all the department were conducted in free environment with the cooperation of all faculty members and nonteaching staff.

Suggestions:

1. Use of ICT in teaching -learning and evaluation has to be increased.
2. The teachers should be involved in research activities such as to apply for projects and published papers in high impact journals, conference presentations.
3. Academic extension activities be organized in the neighborhood on social and local issues.
4. Subject related curricular activities be organized in participation of maximum students.
5. Number of copies of some subject's e-books and journals be increased.
6. Games and Sports facilities be increased and motivate students to participate in various games and cultural activities.


Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.

Dr. H. S. Lunge

ACADEMIC AUDIT

2016 - 17

Contents (Department wise):

1. Botany and Bioinformatics
2. Chemistry
3. Computer science
4. Environmental science
5. Geology
6. Language
7. Mathematics
8. Microbiology
9. Physics
10. Statistics
11. Zoology

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

DEPARTMENT FACT SHEET:

ACADEMIC AUDIT: 2016 - 17

DEPT: - BOTANY & BIOINFORMATICS

S.N.	INFORMATION	Data to be filled by department				
1	Number Of Teacher (Permanent/Temp.)	07 / 02 = 09				
2	NUMBER Of Teacher With Ph.D.	6				
3	NUMBER Of Teacher With M.Phil.	1				
4	NUMBER Of Teacher With NET/SET	3				
5	Number of Nonteaching staff	7				
6	Number of UG Students	I-163, II-164, III-74 = 401				
7	Number of PG Students	Botany: I-19, II- 20 = 39 Bioinformatics: I-13, II-10 = 23				
8	Student- Teacher ratio (UG)	57: 1				
9	Number of temporary teachers	PG -2 (Fix Pay) + 9 (CHB) + 7				
10	University Results- Semesters(previous)	I / II / III / IV / V / VI				
	Class		Biology		MEB	
	Semester		II/IV/ VI (S16)	I/III/V (W16)	II/IV/VI (S16)	I/III/V (W16)
11	Pass percentage	I	95.88	98.96	96.97	95.52
		II	83.75	60.82	82.60	48.15
		III	86.54	76.06	88.89	89.16
12	% of Pass above 60% marks	I	75.27	43.16	78.13	50.00
		II	73.75	42.26	56.21	35.90
		III	73.08	70.42	82.22	77.51
13	% of Pass between 50-60% marks	I	18.28	26.32	15.63	28.13
		II	21.25	37.11	27.53	17.34
		III	23.08	19.72	11.11	15.72
14	% of Pass below 50% marks	I	6.45	30.53	6.25	21.88
		II	5.00	20.61	7.24	33.26
		III	7.69	9.86	6.67	2.22
	Class	Botany	M. Sc. I		M. Sc. II	
	Semester		II (S-16)	I (W-16)	IV (S-16)	III (W-16)
	Pass percentage		85.00	70.00	57.14	65.00
		Bioinfo.				
	Pass percentage		38.46	50.00	80.00	50.00
15	Major projects completed / ongoing /amount	1 ongoing, 10.31 Lacks				
16	Total no. of Papers published in Journals	0+0+0+2+3+0+0= 05				
17	Total CITATIONS	0+0+18+1+31+11+15 = 76				

18	Max. IMPACT FACTOR / h-index	3.347/3
19	Papers published in proceedings	0+0+0+0+1+0=01
20	Papers presented in conferences	01+00+00+02+02+02+02 =08
21	Books written/ Edited/Chapters in Books	Chapters in Book 01 (DVH) Edited 02 (DDK)
22	Number of Supervisors	4
23	No. of students awarded Ph. D.	Nil
23	No. of students registered for Ph. D.	Nil
24	NO. OF Conferences attended	1+3+2+2+2+3+2 = 8
25	Refresher / Orientations attended	1 STC (RCM)
26	Travel Grant / FIP/ other availed	Nil
27	Lectures delivered as resource person	0+0+0+02+4+2 = 05
28	Seminar/ Quiz / aptitude test / Guest lecture organised for students	01 Avishkar, 01 Seminar (TBW), Seven Day Behavioural Training Programme (DDK), Workshop Sexual Harassment at Workplace (RCM)
29	Conferences / seminars /workshop organised for teachers	02 1. Two Days Workshop on “Inculcation of Activity Based Learning Practices in Science and Mathematics Teachers at Secondary Level and Exploration of Innovative Practices in Teaching – Learning and Evaluation Methods” during 30th November and 1st December, 2016 2. 26th Biennial International Conference of The Asian Association for Biology Education on “TRENDS IN BIOLOGY EDUCATION AND RESEARCH: PRACTICES AND CHALLENGES” during 20-23 SEPTEMBER 2016 at GOA - INDIA.
30	Educational tour / Field / Industrial visits / Extension activities organised	ET = 03 (B. Sc. I, B. Sc. II, M.Sc.), Extension Activities: 03
31	Collaborations / MoU / Consultancy	Nil
32	Number of UG / PG / Research labs	01UG, 02 PG, 03 Res
33	Total No. of Computers /printers/ LCD	05PC/02 Printer/02 LCD
34	No. of Computers / printers/ LCD added during the year	01 Computer, 01 Printer, 01 LCD
35	Budget allocated (Rs)	Jr-10,000; UG- 1,50,000; PG- 1,00,000 Total = 2,60,000/-
36	Name Best / Innovative practices / Suggestions, if any:	Matiche Ganpati Abhiyan Organized under Ecofriends.


Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.




Principal
Shri Shivaji Science College
AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI
TEACHER WISE FACT SHEET
DEPARTMENT OF CHEMISTRY
ACADEMIC AUDIT 2016-2017

S.N.	INFORMATION	Data to be filled by department
1	Number Of Teacher (Permanent / Temp.)	12 + 1*(lien)
2	NUMBER of Teacher With Ph.D.	12
3	NUMBER Of Teacher With M.Phil.	02
4	NUMBER Of Teacher With NET/SET	1
5	Number of Nonteaching staff	10
6	Number of UG Students	954
7	Number of PG Students	44
8	Student- Teacher ratio (UG)	68:11
9	Number of temporary teachers	02(PG)

University Results

10	University Results- Semesters(previous)	Summer- 2016					Winter- 2016				
		Sem II	Sem IV	Sem. VI	PG S-II	PG S-IV	Sem I	Sem III	SemV	PG S-III	PG S-I
11	Pass percentage	82.98	72.80	85.04	59.09	77.27	65.63	69.89	80.68	45	50
12	% of Pass above 60% marks	69.65	83.165	83.25	30.77	94.11	71.81	71.64	85	11.11	66.66
13	% of Pass between 50-60% marks	30.35	16.84	15.05	69.23	5.89	28.19	28.36	15	88.89	33.34
14	% of Pass below 50% marks	-	-	-	-	-	-	-	-	-	-
15	Minor projects completed / ongoing /amount						3.90 lakh ongoing				

16	Major projects completed / ongoing /amount	:	8.70 lakh ongoing
17	Total no. of Papers published in Journals	:	33
18	Total CITATIONS	:	687
19	Max. IMPACT FACTOR / h-index	:	2.163/14
20	Papers published in proceedings	:	00
21	Papers presented in conferences	:	15
22	Books written/ Edited/Chapters in Books	:	05
23	Number of Supervisors	:	9
23	No. of students awarded Ph. D.	:	1
24	No. of students registered for Ph. D.	:	18
25	No. of Conferences attended	:	22
26	Refresher / Orientations attended	:	Nil
27	Travel Grant / FIP/ other availed	:	Nil
28	Lectures delivered as resource person	:	03
29	Seminar/ Quiz / aptitude test / Guest lecture organised for students	:	<ol style="list-style-type: none"> 1. Intercollegiate quiz competition for B.Sc.I was organized on 17/10/2016. 2. Aptitude test for B.Sc.I on 28/9/2017. 3. Late Dr. Nilay Bhamburkar Guest lectures series for PG students on 14/02/2017. 4. Intracollegiate seminar competition for B.Sc.II was organized on 27/2/17.
30	Conferences / seminars /workshop organized for teachers	:	Nil

31	Educational tour / Field / Industrial visits / Extension activities organised	:	<ol style="list-style-type: none"> 1. Visit to Hydrology Project for B.Sc.II (Dated 10th Feb. 2017) 2. Visit to Forensic Lab Amravati.(for B.Sc. III (M) at Dated 1/2/17) 3. Visit ot Ratan India Power Pvt. Ltd. Of B.Sc. II PCM on 3/3/2017 4. Science awareness program at Shri Shivaji Multi High School, Amravati on Tuesday, 9th Aug 2016 5. A seminar on “HEALTH & BEAUTY TIPS “ by Dr. Minakshi Rajurkar, Sukhakarta Skin city, Amravati was arranged Cosmetology students on Saturday 6 Aug 2016 6. Review of research paper for PG students on 24th March 2017
32	Research Collaborations / MOU / Consultancy	:	<ol style="list-style-type: none"> 1. IICT Hydrabad. 2. Department of Physics – Mumbai University, Mumbai 3. Department of Chemistry – Pune University, Pune. 4. National Chemical Laboratories, Pune 5. Department of Chemistry – Science college, Koradi, Nagpur 6. Department of Chemistry – Mohata Science College, Nagpur
33	Number of UG / PG / Research labs	:	4 (U.G.) , 3 (P.G.), 1(COC),03(Research)
34	Total No. of Computers / printers / LCD	:	12(Computers), 07 (Printer)
35	No. of Computers / printers/ LCD added during the year	:	Nil
36	Budget allocated	:	3,50,000/- (UG) & 2,50,000/- (PG)

37 Name Best / Innovative practices /Suggestions ,if any:

1. Review of research paper for PG students on every Saturday.
2. Public awareness and social services by PG students

HEAD OF DEPT

AA COMMTT

Principal


Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.




Principal
Shri Shivaji Science College
AMRAVATI.

**SHRI SHIVAJI SCIENCE COLLEGE, AMRAVTI
DEPARTMENTAL ACADEMIC AUDIT 2016-17**

Department: Computer Science

S.N.	INFORMATION	Data to be filled by teacher							HOD Remark
1	Number Of Teacher (Permanent / Temp.)	02/23							
2	NUMBER Of Teacher With Ph.D.	02							
3	NUMBER Of Teacher With M.Phil.	02							
4	NUMBER Of Teacher With NET/SET	02							
5	Number of Nonteaching staff	05							
6	Number of UG Students	670							
7	Number of PG Students	57							
8	Student- Teacher ratio (UG)	25:1-B.Sc.CS &CA 20:1 -BCA,5:1-PG							
9	Number of temporary teachers	23							
10	University Results- Semesters(previous)	Class	I	II	III	IV	V	VI	
11	Pass percentage	B.Sc.(CS)	93.05	95.83	81.69	89.7	75.00	92.18	
12	% of Pass above 60% marks		70.00	82.6	39.00	80.32	71.00	72.88	
13	% of Pass between 50-60% marks		30.00	17.39	28.00	19.67	29.00	27.11	
14	% of Pass below 50% marks		0	0	4	0	0	0	
	University Results- Semesters(previous)	Class	I	II	III	IV	V	VI	
	Pass percentage	B.Sc. (Voc.CA)	73.23	95.77	52.10	51.47	85.71	88.46	
	% of Pass above 60% marks		71.00	73.52	52.63	42.85	73.80	76.08	
	% of Pass between 50-60% marks		29.00	22.05	44.73	57.14	24	21.73	
	% of Pass below 50% marks		0	0	0	0	2.38	0	
	University Results- Semesters(previous)	Class	I	II	III	IV			
	Pass percentage	M.Sc. (Comp. Software)	37.93	37.04	78.00	85.71			
	% of Pass above 60% marks		90.91	100	100.00	95.83			
	% of Pass between 50-60% marks		9	0	0.00	4.1			
	% of Pass below 50% marks		0	0	0	0			
	University Results- Semesters(previous)	Class	I	II	III	IV	V	VI	
	Pass percentage	BCA	27.30	40	14	33.33	50	46.43	
	% of Pass above 60% marks		57.60	58.53	72.7	66.67	63.6	69.23	
	% of Pass between 50-60% marks		39.40	41.46	27.3	33.33	36.4	30.77	
	% of Pass below 50% marks		3.04	0	0	0	0	0	
15	Minor projects completed / ongoing /amount	-							
16	Major projects completed / ongoing /amoun	-							
17	Total no. of Papers published in Journals	-							
18	Total CITATIONS	-							

19	Max. IMPACT FACTOR / h-index	-	
20	Papers published in proceedings	-	
21	Papers presented in conferences	-	
22	Books written/ Edited/Chapters in Books	-	
23	Number of Supervisors	-	
24	No. of students awarded Ph. D.	-	
25	No. of students registed for Ph. D.	-	
26	NO. OF Conferences attended	-	
27	Referresher / Orientations attended	-	
28	Travel Grant / FIP/ other availed	-	
29	Lectures delivered as resource person	-	
30	Seminar/ Quiz / aptitude test / Guest lecture organised for students/Workshop	03	
31	Conferences / seminars /workshop organised for teachers	01	
32	Educational tour / Field / Industrial visits / Extension activities organised	-	
33	Collaborations / MoU / Consultancy	-	
34	Number of UG / PG / Research labs	-	
35	Total No. of Computers / printers / LCD	-	
36	No. of Computers / printers/ LCD added during the year	108 /22/03	
37	Budget allocated	7.00000/-	
38	Name Best / Innovative practices /Sugessions,if any:	Scientific Aptitude Test	

[Signature]
Head
 Head
 Dept. of Computer Science
 Shri Shivaji Science College,
 Amravati.

IQAC Coordinator

Principal

[Signature]
Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.



[Signature]
Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI
Department : Environmental Science **FACT SHEET: -**
ACADEMIC AUDIT 2016 - 17

S.N.	INFORMATION	Data to be filled by Department
1	Number Of Teacher (Permanent / Temp.)	U.G.(02 P/ 3T), P.G. (2 P/ 9 T)
2	NUMBER Of Teacher With Ph.D.	2
3	NUMBER Of Teacher With M.Phil.	1
4	NUMBER Of Teacher With NET/SET	01 NET, 05 SET
5	Number of Non - teaching staff	2
6	Number of UG Students	130
7	Number of PG Students	41
8	Student- Teacher ratio (UG)	43.33
9	University Results- Semesters(previous)	I /II / III /IV/ V/VI
10	Pass percentage	UG - I- 68.08 (S-16) / 89.6(W-16) II- 90.69 (S-16) / 69.2(W-16), III-93.1 (S-16), 94.28 (W-16) PG - I- 90.47 (S-16) / 71.42 (W-16) II - 100 (S-16) / 70 (W-16)
11	% of Pass above 60% marks	UG -I -53.84 (S-16) / 51 (W-16), II-88.45 (S-16) / 81.48 (W-16), III - 89 (S-16) / 87.5 (W-16), PG- I -100 (S-16), II- 100 (W-16), III -100 (S-16), IV-100 (W-16),
12	% of Pass between 50-60% marks	UG - I -30.76 (S-16) / 37.2 (W-16), II -15.39 (S-16) / 18.51 (W-16), III - 11 (S-16) / 9.09 (W-16),
13	% of Pass below 50% marks	UG -I -15 (S-16) / 11.62(W-16), II-0 (S-16) / 0 (W-16), III - 0 (S-16) / 0 (W-16),
14	Minor projects completed / ongoing /amount	0
15	Major projects completed / ongoing /amoun	0
16	Total no. of Papers published in Journals	3
17	Total CITATIONS	35
18	Max. IMPACT FACTOR / h-index	6.391/03
19	Papers published in proceedings	2
20	Papers presented in conferences	1
21	Books written/ Edited/Chapters in Books	2
22	Number of Supervisors	1
23	No. of students awarded Ph. D.	0
24	No. of students registered for Ph. D.	3+1
25	NO. OF Conferences attended	2
26	Referresher / Orientations attended	1
27	Travel Grant / FIP/ other availed	0
28	Lectures delivered as resource person	0

29	Seminar/ Quiz / aptitude test / Guest lecture organised for students	3
30	Conferences / seminars /workshop organised for teachers	0
31	Educational tour / Field / Industrial visits / Extension activities organised	1/05/0/7
32	Collaborations / MoU / Consultancy	0/1/1
33	Number of UG / PG / Research labs	1/1/2001
34	Total No. of Computers / printers / LCD	1/4/2002
35	No. of Computers / printers/ LCD added during the year	0/0/1
36	Budget allocated	2.5LAC
37	Name Best / Innovative practices /Sugessions,if any:	
	Future Plan :1. Strengthening of-	
	2. Ext. Act.- • Env't. Sci Society • Guest Lecture. •One day workshop on Remote sensing & GIS for UG & PG students • Noise level analysis on eves of Festival., One day workshop on cancer awareness	
	3. Out Reach- •Convention with farmers in the vicinity of Amravati District on “Organic manure a proctor to Chemical fertilizers”	
	4. ISR- •Envi. Literacy survey • Ground water quality analysis., solidwaste analysis • Air quality analysis of Amravati city	
	5. Best Pract. :- 1. Air quality monitoring & Analysis. 2. Recycling of waste paper generated paper from home department	
	6. Innove- 1. Green audit of College Campus 2. EIA of Banking sector 3. EIA of Election Event.	
	Student Achi.-1. PG Merit - I & II merits in SGBAU, Amravati, 2. Mr. Yash Puri Selected for international level Anvenshan at Malayasia 3. Ms. Sujata Pachghare Selected for University level Aavishkar competition Inter university level 4. Skit on Environmental awareness presented by M.Sc. II yr. Awarded II prize, Ms. Kalyani Ingale awarded II prize for best actress. Mr. Kiran Jadhao B.Sc. III yr got II prize for eco - talk in Vasundhara Festival 10th Oct. 2016. 5. Ms. Kalyani Ingale and Kavita Patil IInd award in state level science exhibition , Balbhim Art's, Science & Commerce College, Beed on 7th September 2016 6. Ms. Shivali Deshmukh Awarded II prize at Matoshri Vimlabai Deshmukh Mahavidyalaya In poster competition on 24th Dec. 2016 7. Two students qualified SET exam. -2016	
	Student placement-	

HEAD OF DEPT

AA COMMITTEE

PRINCIPAL

[Signature]
Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.



[Signature]
Principal
Shri Shivaji Science College
AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE,											
Teacher wise FACT SHEET ACADEMIC AUDIT 2016 - 17											
DEPT: - GEOLOGY		Name of the Teacher:								HoD Remark	
S.N.	INFORMATION	Data to be filled by teacher									
		11 July - 22 Oct /2016				2 Jan- 15 March/2017					
		I	II	III	Total	I	II	III	Total		
1	Number of Units allotted	2	1	0	3	0	0	0	0		
2	Number of Units completed	2	1	0	3	0	0	0	0		
3	Number of Units remained	0	0	0	0	0	0	0	0		
4	Number of lectures due	16	16	16	48	0	0	0	0		
5	Number of lectures engaged	11	13	12	36	0	0	0	0		
6	Number of extra lectures	0	0	0	0	0	0	0	0		
7	Average Attendance of students	74.22	72.66	75	0	0	0	0	0		
8	University Results- Semesters(previous)	I	III	V	W-2016	II	IV	VI	S-2017		
9	Pass percentage	66.66	63.82	87		72.92	72.73	100			
10	% of Pass above 60% marks	16	10	15		31	38	54			
11	% of Pass between 50-60% marks	22	37	56		23	53	37			
12	% of Pass below 50% marks	62	53	29		46	9	9			
13	Minor projects completed / ongoing /amount	0									
14	Major projects completed / ongoing / amount	0									
15	Number of Papers published in Journals	0									
16	Total CITATIONS	0									
17	Max. IMPACT FACTOR / h-index	0									
18	No. of Papers published in proceedings	0									
19	No. of Papers presented in conferences	0									
20	Books written/ Edited/Chapters in Books	0									
21	No. of students awarded Ph. D.	0									
22	No. of students registeed for Ph. D.	0									
23	NO. OF Conferences attended	0									
24	Referesher / Orientations attended	0									

25	Travel Grant / FIP/ other availed	0	
26	Lectures delivered as resource person	0	
27	Seminar/ Quiz competition conducted	0	
28	GT Meetings conducted	0	
29	Use of ICT in T-L process	0	
30	Community work, if any	0	
31	College comm.- Convener / member	0	
32	Participation in NSS / NCC/ other	0	
33	University contribution , if any	0	
34	ANY OTHER INFO. / SUGGESTIONS:	NO	
HEAD OF DEPT		Signature of Teacher	

H. S. Lunge
Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.



[Signature]
Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

DEPARTMENT FACT SHEET : ACADEMIC AUDIT 2016-17

DEPT :- MATHEMATICS

Sr. No.	INFORMATION	Data to be filled by department
1	Number of Teachers (Permanent / Temp.)	3
2	Number of Teacher with Ph.D.	2
3	Number of Teacher with M. Phil.	0
4	Number of Teacher with Net / Set	0
5	Number of Nonteaching staff	0
6	Number of UG students	560
7	Number of PG students	0
8	Student-Teacher ratio (UG)	186 : 01 : 00
9	Number of temporary teachers (previous)	0
10	University Result – Semesters (previous)	II / IV / VI / I / III / V
11	Pass percentage	87.17 / 83.33 / 92.51 / 94.30 / 76.26 / 78.50
12	% of Pass above 60% marks	36.47 / 55 / 35.29 / 46.70 / 37.85 / 39.13
13	% of Pass between 50-60% marks	24.11 / 16.87 / 27.94 / 23.62 / 31.42 / 30.43
14	% of Pass below 50% marks	39.41 / 28.12 / 36.76 / 29.67 / 30.71 / 30.43
15	Minor projects completed / ongoing amount	
16	Major projects completed / ongoing amount	
17	Total No. of Papers published in Journals	2
18	Total Citations	
19	Max. Impact factor / h-index	
20	Papers published in proceedings	
21	Papers presented in conferences	1
22	Books written / Edited / Chapters in Books	
23	Number of Supervisors	1
23	No. of students awarded Ph. D.	
24	No. of students registered for Ph. D	1
25	No. of Conferences attended	Conference-04, workshop-04
26	Refresher / Orientations attended	
27	Travel Grant / FIP / other availed	
28	Lectures delivered as resource person	
29	Seminar / Quiz / aptitude test / Guest lecture organized for students	
30	Conferences / seminars / workshop organized for	
31	Educational tour / Field / Industrial visits / Extension activities organized	
32	Collaborations / MoU / Consultancy	
33	Number of UG / PG / Research labs	
34	Total No. of Computers / printers / LCD	Computer 1 Printer 1
35	No. of Computers / printers / LCD added during the year	Nil
36	Budget allocated	10,000
37	Name Best / Innovative practices / Suggestions, if any :	


Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.




Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVTI
Department FACT SHEET: -ACADEMICAUDIT-2016 -17
DEPT: -MICROBIOLOGY

S.N.	INFORMATION	Data to be filled by department					
1	NumberOfTeacher (Temp.)	3 (Permnet)					
2	NUMBER Of Teacher With Ph.D.	3					
3	NUMBER Of Teacher With M.Phil.	-					
4	NUMBER Of Teacher With NET/SET	-					
5	Number ofNonteachingstaff	2					
6	Number ofUGStudents	139					
7	Number ofPG Students	-					
8	Student- Teacherratio(UG)	46.01					
9	Number oftemporaryteachers	-					
10	UniversityResults-Semesters(previous)						
11	Passpercentage	Sem.II	IV	VI	Sem. I	III	V
		100%	94%	97%	99%	85%	100%
12	%of Pass above60% marks	Sem.II	IV	VI	Sem. I	III	V
		61.00%	75%	92%	87%	67%	84%
13	%of Passbetween50-60% marks	Sem.II	IV	VI	Sem. I	III	V
		35%	21%	12%	13%	33%	12%
14	%of Pass below 50%marks	Sem.II	IV	VI	Sem. I	III	V
		04%	04%	03%	-	-	05%
15	Minor projects completed /ongoing/amoun	-					
16	Major projects completed /ongoing/amoun	-					
17	Total no. of Paperspublished in Journals	6					
18	TotalCITATIONS	290					
19	Max. IMPACTFACTOR / h-index	4.36/7					
20	Paperspublished in proceedings	2					
21	Paperspresented in conferences	4					
22	Bookswritten/Edited/Chapters in Books	-					
23	Number ofSupervisors	3					
23	No. ofstudents awarded Ph. D.	Awarded1/Submitted-1					
24	No. ofstudents registeed forPh. D.	6					
25	NO. OFConferencesattended	3					
26	Referesher/ Orientationsattended	-					
27	TravelGrant / FIP/otheravailed	-					
28	Lecturesdeliveredasresource person	-					
29	Seminar/Quiz / aptitudetest / Guestlectureorganisedfor students	Seminar Competition-01 Guestlecture-01					
30	Conferences / seminars /workshoporganisedfor	-					
31	Educationaltour / Field/ Industrialvisits / Extension activitiesorganised	Extention Activity-1 visit-02					
32	Collaborations /MoU / Consultancy	-					
33	Numberof UG /PG/ Research labs	UG-01/PG-0/Research-01					
34	TotalNo. of Computers /printers / LCD	Computers-02/Printer-02/LCD-01					
35	No.ofComputers/ printers/LCDdadedduringthe year	-					

36	Budget allocated	1,00,000
37	Name Best / Innovative practices / Suggestions, if any:	B.Sc. II students done project on Enteric Microflora and effect of various antibiotics on it and effect of

Patil

HEAD OF DEPT

IQAC COMMITTEE

Principal

Lunge
Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.



[Signature]
Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI
DEPARTMENT FACT SHEET : ACADEMIC AUDIT 2016-17
DRPARTMENT OF PHYSICS

SN	Information	Data to be filled by department					
1	Number of Teacher (Permanent / Temp.)	7					
2	Number of Teacher with Ph.D.	7					
3	Number of Teacher with M.Phil.	Nil					
4	Number of Teacher with NET/SET	1					
5	Number of Nonteaching staff	1 Assistant and 5 attendants					
6	Number of UG Students	479					
7	Number of PG Students	36					
8	Student- Teacher ratio (UG)	68 / 01					
9	Number of temporary teachers	3					
10	University Results- Semesters(previous)	I W16	II S16	III W16	IV S16	V W16	VI S16
11	Pass percentage	72	72	76	76	66	86
12	% of Pass above 60% marks	60	26	45	43	43	60
13	% of Pass between 50-60% marks	19	23	22	25	18	18
14	% of Pass below 50% marks	21	51	33	32	39	22
	PG Results	I (W- 16)	II (S- 16)	III (W- 16)	IV (S- 16)		
	Pass percentage	37	30	82	30		
15	Minor projects completed / ongoing /amount(in Lac)	1 ongoing VPA (1.5) & 1 ongoing WSB (2.65)					
16	Major projects completed / ongoing /amount	Nil					
17	Total no. of Papers published in Journals	11					
18	Total CITATIONS	368					
19	Max. IMPACT FACTOR / h-index	3.72/ 4					
20	Papers published in proceedings	7					
21	Papers presented in conferences	3					
22	Books written/ Edited/Chapters in Books	1 Chapter (SSA)					
23	Number of Supervisors	4					
23	No. of students awarded Ph. D.	1					
24	No. of students registered for Ph. D.	1(in Lab) + 2 (outside)					
25	No. of Conferences attended	15					
26	Refresher / Orientations attended/STP	2 STP (AWA & VPA)					
27	Travel Grant / FIP/ other availed	Nil					
28	Lectures delivered as resource person	9					
29	Seminar/ Quiz / aptitude test / Guest lecture organized for students	1. Inter Collegiate Seminar Competition on Presentation and Demonstration of Physics Experiments. 2. Guest lectures -02					

30	Conferences / seminars /workshop organized for teachers	Nil
31	Educational tour / Field / Industrial visits / Extension activities organized	01 Sky watching/01 Out reach/01 Visit at PGTD SGBAU
32	Collaborations / MoU / Consultancy	Nil
33	Number of UG / PG / Research labs	UG Labs : 4 PG Labs : 3 Research Lab : 1
34	Total No. of Computers / printers / LCD	Computers : 12 Printers : 02, LCD Projector : 01
35	No. of Computers / printers/ LCD added during the year	1
36	Budget allocated	Rs 3,95,000/-
37	Name Best / Innovative practices /Suggestions, if any:	Design and assembling of experimental kits, Use of ICT by students for seminars and use of software for analysis of experimental observations by students. Imparting value education to students.

Head of Department

AA Committee

Principal


DR. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.




Principal
Shri Shivaji Science College
AMRAVATI.


SHRI SHIVAJI SCIENCE COLLEGE, AMRAVTI

DEPARTMENT FACT SHEET ACADEMIC AUDIT 2016-17

Department: STATISTICS

S.N.	INFORMATION	Data to be filled by teacher						HOD Remark
1	Number Of Teacher (Permanent / Temp.)	4						
2	NUMBER Of Teacher With Ph.D.	3						
3	NUMBER Of Teacher With M.Phil.	Nil						
4	NUMBER Of Teacher With NET/SET	Nil						
5	Number of Nonteaching staff	2						
6	Number of UG Students	213						
7	Number of PG Students	Nil						
8	Student- Teacher ratio (UG)	53:1						
9	Number of temporary teachers	Nil						
10	University Results- Semesters(previous)	I	II	III	IV	V	VI	
11	Pass percentage	96%	75.71%	71	78.57	91.93	91%	
12	% of Pass above 60% marks	81.95	75.47	85.41	87.27	96.5	97.95	
13	% of Pass between 50-60% marks	18.05	24.53	12.50	12.72	3.5	2.05	
14	% of Pass below 50% marks	Nil	Nil	2.08	Nil	Nil	Nil	
15	Minor projects completed / ongoing /amount	Nil						
16	Major projects completed / ongoing /amoun	Nil						
17	Total no. of Papers published in Journals	2						
18	Total CITATIONS	22						
19	Max. IMPACT FACTOR / h-index	Nil						
20	Papers published in proceedings	2						
21	Papers presented in conferences	2						
22	Books written/ Edited/Chapters in Books	0						
23	Number of Supervisors	1						

24	No. of students awarded Ph. D.	0/2	
25	No. of students registeed for Ph. D.	Nil	
26	NO. OF Conferences attended	5	
27	Referesher / Orientations attended	Nil	
28	Travel Grant / FIP/ other availed	Nil	
29	Lectures delivered as resource person	Nil	
30	Seminar/ Quiz / aptitude test / Guest lecture organised for students/Workshop	1	
31	Conferences / seminars /workshop organised for teachers	1	
32	Educational tour / Field / Industrial visits / Extension activities organised	Nil	
33	Collaborations / MoU / Consultancy	Nil	
34	Number of UG / PG / Research labs	1+0+1	
35	Total No. of Computers / printers / LCD / Interactive Board	21+4+1+1	
36	No. of Computers / printers/ LCD added during the year	1	
37	Budget allocated	75000	
38	Name Best / Innovative practices /Sugessions,if any:	Nil	


Head

Head

Principal


Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.




Principal
Shri Shivaji Science College
AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Department FACT SHEET: - ACADEMIC AUDIT 2016 - 17

DEPT: - ZOOLOGY

S.N.	INFORMATION	Data to be filled by department					
1	Number Of Teacher (Permanent / Temp.)	06					
2	NUMBER Of Teacher With Ph.D.	05					
3	NUMBER Of Teacher With M.Phil.	-					
4	NUMBER Of Teacher With NET/SET	-					
5	Number of Nonteaching staff	05					
6	Number of UG Students	470					
7	Number of PG Students	33					
8	Student- Teacher ratio (UG)	78:1					
9	Number of temporary teachers	UG-03, PG-02					
10	University Results- Semesters(previous)	BIOLOGY					
		2015-2016 Summer			2016-17 Winter		
		II	IV	VI	I	III	V
11	Pass percentage	84.53	77.63	69.00	59.00	66.00	72.00
12	% of Pass above 60% marks	19.5	79.67	100.00	50.87	100.00	78.43
13	% of Pass between 50-60% marks	25.6	20.33.	-	49.13.	-	21.57
14	% of Pass below 50% marks	55	-	-	-	-	-
10	University Results- Semesters(previous)	MEB					
		2015- 16 Summer			2016-17 Winter		
		II	IV	VI	I	III	V
11	Pass percentage	69	85.00	91.00	82.60	94.00	84.21
12	% of Pass above 60% marks	36.30	39.20	97.82	53.25	100.00	75.00
13	% of Pass between 50-60% marks	20.40	31.37	2.18	46.75	-	25.00
14	% of Pass below 50% marks	43.00	29.41	-	-	-	-
15	Minor projects ongoing /amount(proposal submitted)	-					
16	Major projects completed / ongoing /amount(proposal submitted)	-					

17	Total no. of Papers published in Journals	06
18	Total CITATIONS	9.29
19	Max. IMPACT FACTOR / h-index	3.6421/5
20	Papers published in proceedings	01
21	Papers presented in conferences	Nil
22	Books written/ Edited/Chapters in Books	04/01/ 02 IJLSCI –IF 4.36,IRJSE_IF- 3.66 UGC Approved Journals
23	Number of Supervisors	04
23	No. of students awarded Ph. D.	1+ 1 (Thesis submitted)
24	No. of students registered for Ph. D.	05+08 working
25	NO. OF Conferences attended	17
26	Refresher / Orientations attended	3
27	Travel Grant / FIP/ other availed	1 TG from UGC
28	Lectures delivered as resource person	03
29	Seminar/ Quiz / aptitude test / Guest lecture organized for students	2 (UG) +2(PG)
30	Conferences / seminars /workshop organized for teachers	Nil
31	Educational tour / Field / Industrial visits / Extension activities organized	Edu. Tour - 02 Extension - 03
32	Collaborations / MoU / Consultancy	Collaboration – 02 Consultancy - 02
33	Number of UG / PG / Research labs	1/2/1=4
34	Total No. of Computers / printers / LCD	06/03/02/01 LED
35	No. of Computers / printers/ LCD added during the year	Nil/Nil/1
36	Budget allocated	2,60000/-
37	Name Best / Innovative practices / Suggestions, if any:- 1. Clay Ganesh idol program. 2.Wild life Week celebration 3. Nature camp	

Rondhao
Dr. R. S. Jadhao
Head & Associate Professor
Shri Shivaji Science College, Amravati.

HEAD OF DEPT

AA COMMTT

Principal

Lunge
Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.



Principal
Principal
Shri Shivaji Science College
AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

2017-18

IQAC

Report of Internal Academic Audit of 2017-18

The academic audit of all departments was conducted between **11/04/2018 to 19/04/2018**, including the library and sports departments. The Chairman of IQAC Principal Dr. V. G. Thakare was the chairman of AA committee, Dr. W.S barde and Dr. H. S. Lunge worked as a member.

The formats, for consolidated data of the department on 38 points format was used and another format for teacher wise information were collected on 35 questions.

The discussion were held on all academic points such as course covered, lectures engaged, quality analysis of University results, research publications and presentations, students academic activities conducted, educational/ industrial tours, guest lecture organized and best practices.

The committee, after analyzing the department wise AA formats, the following main observations are obtained: -

- It has been observed all the teachers have completed their course curriculum before the start of university practical exam, some of the teachers have also conducted extra classes.
- The university passing percentage of students is very good, but the qualitative analysis shows variations in obtaining the marks more than 61%.
- The committee appreciated the conduct of the various student's academic activities and extension, extracurricular activities by the departments.
- Chairman has taken the review of the infrastructural facilities, new requirements of each department and asks to submit the renovation plan and requirements for the next session.

- The committee also observed the next year planning of the department and suggests conduct/organize some innovative programs.
- The review of the collection of the information for FIST proposal was taken by the chairman.
- The committee suggested that in next year IQAC will revise the new format of AA which will be circulated at the beginning of the session.
- Feedback mechanism has been implemented and analyze through computer by Com. Sc. Departments.
- Total teachers 52 of which 02 Professors, 16 Associate Professors and 34 Assistant professors.
- The teachers have completed, 01 major and 01 minor are ongoing and 02 submitted.
- The faculty have published 58 papers in international journals and 29 in national journals and 23 in conference proceedings.
- In this year the teachers have attended 82 conferences / seminars and workshops.
- Teachers have presented 56 papers in conferences and seminars of national state level
- 28 faculty members have worked as resource person in conferences, seminars etc.
- 31 teachers are supervisors are 43 PhD students are presently working 09 have been awarded degree.
- 114 various extension activities organized by departments, NSS, NCC and Sports.
- In this year new 1240 books of different subjects are added.
- 26 computers have been purchased by all departments and office.
- 257 students have been benefited by Career Counseling scheme
- 52 students participated in Games and sports at University, regional and state, and National level and 14 in cultural activities.
- The interaction of all the department were conducted in free environment with the active participation of all faculty members and nonteaching staff.

Suggestions:

1. The department has been advised on adherence of academic calendar.

2. Use of ICT in teaching -learning be increased.
2. The teachers are advised to published papers in high impact journals.
3. Student's participation along with local people in Academic extension activities be increased in the neighborhood area on social and local issues.
4. Subject related various competitions such as quiz, model preparation, ppt presentation curricular activities be organized in participation of a greater number of students.
5. Number of copies of some subject's books be increased.
6. Cultural and Sports participation and facilities be enhanced.


Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.

Dr. H. S. Lunge

ACADEMIC AUDIT

2017 - 18

Contents (Department wise):

1. Chemistry
2. Computer science
3. Environmental science
4. Geology
5. Language
6. Mathematics
7. Microbiology
8. Physics
9. Statistics
10. Zoology

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI
TEACHER WISE FACT SHEET
DEPARTMENT OF CHEMISTRY
ACADEMIC AUDIT 2017-2018

S.N.	INFORMATION	Data to be filled by department	
1	Number of Teacher (Permanent / Temp.)	:	12
2	NUMBER of Teacher With Ph.D.	:	11
3	NUMBER Of Teacher With M.Phil.	:	01
4	NUMBER Of Teacher With NET/SET	:	04
5	Number of Nonteaching staff	:	8
6	Number of UG Students	:	966
7	Number of PG Students	:	47
8	Student- Teacher ratio (UG)	:	80.5
9	Number of temporary teachers	:	09

10	University Results- Semesters(previous)	Summer- 2017					Winter- 2017				
		Sem II	Sem IV	Sem. VI	PG S-II	PG S-IV	Sem I	Sem III	SemV	PG S-III	PG S-I
11	Pass percentage	78.4	78.33	84.66	79	45	80.5	81.81	72.33	79.1	45.8
12	% of Pass above 60% marks	70.79	55	76.33	-	-	66.07	65	50.66	-	-
13	% of Pass between 50-60% marks	21.83	26	17.95	-	-	20.86	21.53	21.66	-	-
14	% of Pass below 50% marks	8.53	14.33	14.33	-	-	14.7	13.46	27.68	-	-
15	Minor projects completed / ongoing /amount	-									
16	Major projects completed / ongoing /amount	01 Completed/ 01 Ongoing									
17	Total no. of Papers published in Journals	33									

18	Total CITATIONS	:	1558
19	Max. IMPACT FACTOR / h-index	:	5/19
20	Papers published in proceedings	:	NIL
21	Papers presented in conferences	:	16
22	Books written/ Edited/Chapters in Books	:	12
23	Number of Supervisors	:	9
23	No. of students awarded Ph. D.	:	6
24	No. of students registered for Ph. D.	:	13
25	No. of Conferences attended	:	17
26	Refresher / Orientations attended	:	NIL
27	Travel Grant / FIP/ other availed	:	NIL
28	Lectures delivered as resource person	:	02
29	Seminar/ Quiz / aptitude test / Guest lecture organised for students	:	<ol style="list-style-type: none"> 1. Intercollegiate quiz competition for B.Sc.I was organized on 7/02/2018. 2. Aptitude test for B.Sc.I on 28/9/2017. 3. Late Dr. Nilay Bhamburkar Guest lectures series for PG students on 14/02/2017. 4. Intracollegiate seminar competition for B.Sc.II was organized on 27/2/17 5. General Aptitude Test B Sc III 18/03/2018 6. Guest Lecture at Girls High School on Personality Development ,And role of a girl in family and society. 7. Intercollegiate Seminar Competition for B.Sc.- II 8. Poster Presentation on 20 Sept 2017 9. Chem Quiz for M Sc I and

II 28 Feb 2018

10. Debate for M Sc I and II
3-2-2018

11. Educational Tour for M
Sc I and II 22th December
2017

30	Conferences / seminars /workshop organized for teachers	:	NIL	
31	Educational tour / Field / Industrial visits / Extension activities organized	:		<ol style="list-style-type: none">1. Placement of Cometology students Skilling external students for self-employment.2. Forensic lab. On 31st Jan 20183. Visit to Hydrology Project of B. Sc II (PCM) students on 23 Feb.2018
32	Research Collaborations / MOU / Consultancy	:		<ol style="list-style-type: none">1. IICT Hyderabad.2. Department of Physics – Mumbai University, Mumbai3. Department of Chemistry – Pune University, Pune.4. National Chemical Laboratories, Pune5. Department of Chemistry – Science college, Koradi, Nagpur6. Department of Chemistry – Mohata Science College, Nagpur
33	Number of UG / PG / Research labs	:		4 (U.G.) , 3 (P.G.),
34	Total No. of Computers / printers / LCD	:		1(COC),03(Research) 12(Computers), 07 (Printer)
35	No. of Computers / printers/ LCD added during the year	:		Nil
36	Budget allocated	:		
37	Name Best / Innovative practices /Suggestions ,if any:	:		<ol style="list-style-type: none">1. Review of research paper for PG students on every Saturday.2. Public awareness and social services by PG

students

Tree Plantation, Road safety week, World water day, Pulse polio Campaign

Science Exhibition "NSD-2018"

(Date: 27 & 28.02.2018)

Visited to "**Sadashanti Balgruh**" on 15th Aug 2017



HEAD OF DEPT

AA COMMTT

Principal



Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.



Principal
Shri Shivaji Science College
AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVTI
TEACHER WISE FACT SHEET ACADEMIC AUDIT 2017-18

Department: Computer Science

S.N.	INFORMATION	Data to be filled by teacher							HOD Remark
1	Number Of Teacher (Permanent / Temp.)	02/19							
2	NUMBER Of Teacher With Ph.D.	02							
3	NUMBER Of Teacher With M.Phil.	02							
4	NUMBER Of Teacher With NET/SET	02							
5	Number of Nonteaching staff	05							
6	Number of UG Students	689							
7	Number of PG Students	58							
8	Student- Teacher ratio (UG)	25:1-B.Sc.CS &CA 20:1 -BCA,5:1-PG							
9	Number of temporary teachers	19							
10	University Results- Semesters(previous)	Class	I	II	III	IV	V	VI	
11	Pass percentage	B.Sc.(CS)	92.85	95.65	97.19	95.71	70.00	79.10	
12	% of Pass above 60% marks		60.00	81.82	85.50	83.58	68.89	73.58	
13	% of Pass between 50-60% marks		40.00	18.18	14.49	16.41	31.11	26	
14	% of Pass below 50% marks		0	0	0	0	0	0	
	University Results- Semesters(previous)	Class	I	II	III	IV	V	VI	
	Pass percentage	B.Sc. (Voc.CA)	69.01	89.55	70.58	70.14	64.91	87.10	
	% of Pass above 60% marks		40.81	68.33	75.00	65.95	50.35	83.33	
	% of Pass between 50-60% marks		57.14	31.66	22.91	35.55	46	16.67	
	% of Pass below 50% marks		2.04	0	0	0	0	0	
	University Results- Semesters(previous)	Class	I	II	III	IV	V	VI	
	Pass percentage	M.Sc. (Comp. Software)	39.26	64.29	59.26	92.59			
	% of Pass above 60% marks		54.54	88.89	100	96			
	% of Pass between 50-60% marks		36.36	11.11	0.00	4			
	% of Pass below 50% marks		0	0	0	0			
	University Results- Semesters(previous)	Class	I	II	III	IV	V	VI	
	Pass percentage	BCA	30.70	24	56.81	52.94	50.72	63.77	
	% of Pass above 60% marks		68.57	79.17	58	62.22	68.57	81.81	
	% of Pass between 50-60% marks		34.29	20.83	34	35.55	34.29	18.18	
	% of Pass below 50% marks		2.85	0	0	2.22	0	0	
15	Minor projects completed / ongoing /amount	-							
16	Major projects completed / ongoing /amoun	-							
17	Total no. of Papers published in Journals	-							
18	Total CITATIONS	-							

19	Max. IMPACT FACTOR / h-index	-	
20	Papers published in proceedings	-	
21	Papers presented in conferences	-	
22	Books written/ Edited/Chapters in Books	01	
23	Number of Supervisors	-	
24	No. of students awarded Ph. D.	-	
25	No. of students registed for Ph. D.	-	
26	NO. OF Conferences attended	02	
27	Referesher / Orientations attended	-	
28	Travel Grant / FIP/ other availed	-	
29	Lectures delivered as resource person	-	
30	Seminar/ Quiz / aptitude test / Guest lecture organised for students/Workshop	03	
31	Conferences / seminars /workshop organised for teachers	01	
32	Educational tour / Field / Industrial visits / Extension activities organised	-	
33	Collaborations / MoU / Consultancy	-	
34	Number of UG / PG / Research labs	-	
35	Total No. of Computers / printers / LCD	-	
36	No. of Computers / printers/ LCD added during the year	116 /23/03	
37	Budget allocated	10,50,000	
38	Name Best / Innovative practices /Sugestions,if any:	Scientific Aptitude Test	

Head

IQAC Coordinator

Principal

Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

H. S. Lunge
Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.



H. S. Lunge
Principal
Shri Shivaji Science College
AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI
Department: Environmental Science **FACT SHEET: -**
ACADEMIC AUDIT 2017 - 18

S.N.	INFORMATION	Data to be filled by Department
1	Number Of Teacher (Permanent / Temp.)	U.G.(02 P/ 3T), P.G. (2 P/ 9 T)
2	NUMBER Of Teacher With Ph.D.	3
3	NUMBER Of Teacher With M.Phil.	1
4	NUMBER Of Teacher With NET/SET	01 NET, 05 SET
5	Number of Non - teaching staff	2
6	Number of UG Students	133
7	Number of PG Students	46
8	Student- Teacher ratio (UG)	44.33
9	University Results- Semesters(previous)	I /II / III /IV/ V/VI
10	Pass percentage	UG - I- 100 (S-17) / 72.91(W-17) II- 71.42 (S-17) / 88.9(W-17), III-97.05 (S-17), 84.21 (W-17) PG - I- 95.2 (S-17) / 78.3 (W-17) - 85 (S-17) / 95.5 (W-17) II
11	% of Pass above 60% marks	UG - I -79.5 (S-17) / 68.57 (W-17), II-73.3 (S-17) / 82.5 (W-17), III - 90.9 (S-17) / 87.5 (W-17), PG- I -100 (S-17) /100 (W-17), 94.11 (S-17)/100 (W-17), II-
12	% of Pass between 50-60% marks	UG - I -13.63 (S-17) / 31.42 (W-17), II -22.66 (S-17) / 17.5 (W-17), III - 9.09 (S-17) / 12.5 (W-17), PG- I -00 (S-17) / 00 (W-17), 5.88 (S-17), /00 (W-17), II -
13	% of Pass below 50% marks	UG -I -6.8 (S-17) / 0(W-17), (S-17) / 0 (W-17), 17) / 0 (W-17), II-0 III - 0 (S-
14	Minor projects completed / ongoing /amount	0
15	Major projects completed / ongoing /amoun	0
16	Total no. of Papers published in Journals	SPI-5+2(KJG)
17	Total CITATIONS	
18	Max. IMPACT FACTOR / h-index	(SPI) 4.574 / (KJG)4.937
19	Papers published in proceedings	0
20	Papers presented in conferences	0
21	Books written/ Edited/Chapters in Books	0

22	Number of Supervisors	1		
23	No. of students awarded Ph. D.	1		
24	No. of students registered for Ph. D.	3		
25	NO. OF Conferences attended	2		
26	Referesher / Orientations attended	0		
27	Travel Grant / FIP/ other availed	0		
28	Lectures delivered as resource person	1		
29	Seminar/ Quiz / aptitude test / Guest lecture organised for students	G. Lect-02		
30	Conferences / seminars /workshop organised for teachers	0		
31	Educational tour / Field / Industrial visits / Extension activities organised	Tour- 02,	Field-04,	Ext. Acti. Orga.-07
32	Collaborations / MoU / Consultancy	Coll.- 0,	MOU-1,	Consul.- 1
33	Number of UG / PG / Research labs	UG-01,	PG-01,	Res.lab- 01
34	Total No. of Computers / printers / LCD	Com. -05,	Print.-01,	LCD- 02
35	No. of Computers / printers/ LCD added during the year	Com. -01,	Print.-00,	LCD- 00
36	Budget allocated	6,50000/-		
37	Name Best / Innovative practices /Sugessions,if any:			
	Future Plan :1. Strengthening of-			
	2. Ext. Act.- • Emt. Sci Society • Guest Lecture. •One day workshop on Remote sensing & GIS for UG & PG students • Noise level analysis on eves of Festival.,			
	3. Out Reach- •Convention with farmers in the vicinity of Amravati District on “Organic manure a proctor to Chemical fertilizers”			
	4. ISR- •Envi. Literacy survey • Ground water quality analysis., solidwaste analysis • Air quality analysis of Amravati city			
	5. Best Pract. :- 1. Air quality monitoring & Analysis. 2. Recycling of waste paper generated paper from home department			
	6. Innovative- 1. Green audit of College Campus 2. EIA of Banking sector 3. EIA of Election Event.			
	Student Achiv.- 1. Ms. Sujata Pachghare from M.Sc. II yr. was Ist merit from SGBAU, Amravati. 2. Ms. Shivali Deshmukh from M.Sc. II yr. was II nd merit from SGBAU, Amravati. 3. Students from M.Sc. I and M.Sc II presented research papers in the National Conference at Jalgaon. 4. Mr. Yash Puri got First Award in Avishkar competition at Mahatma Phule Krishi Vidyapeeth, Rahuri 5. Mr. Saurabh Bijwe Selected for University level Avishkar Competition at SGB Amt. University Amravati.			

[Signature]
HEAD OF DEPT AA COMMITTEE

PRINCIPAL

[Signature]
Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.



[Signature]
Principal
Shri Shivaji Science College
AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE,											
Teacher wise FACT SHEET ACADEMIC AUDIT 2017 - 18											
DEPT: - GEOLOGY		Name of the Teacher:								HoD Remark	
S.N.	INFORMATION	Data to be filled by teacher									
		11 July - 22 Oct /2017				2 Jan- 15 March/2018					
		I	II	III	Total	I	II	III	Total		
1	Number of Units allotted	2	1	0	3	0	0	0	0		
2	Number of Units completed	2	1	0	3	0	0	0	0		
3	Number of Units remained	0	0	0	0	0	0	0	0		
4	Number of lectures due	16	16	16	48	0	0	0	0		
5	Number of lectures engaged	11	13	12	36	0	0	0	0		
6	Number of extra lectures	0	0	0	0	0	0	0	0		
7	Average Attendance of students	74.22	72.66	75	0	0	0	0	0		
8	University Results- Semesters(previous)	I	III	V	W-2017	II	IV	VI	S-2018		
9	Pass percentage	70.83	65.9	91.89		93.47	56.81	94.59			
10	% of Pass above 60% marks	18	24	38		21	40	34			
11	% of Pass between 50-60% marks	21	24	26		33	24	43			
12	% of Pass below 50% marks	61	52	36		46	36	23			
13	Minor projects completed / ongoing /amount	0									
14	Major projects completed / ongoing / amount	0									
15	Number of Papers published in Journals	0									
16	Total CITATIONS	0									
17	Max. IMPACT FACTOR / h-index	0									
18	No. of Papers published in proceedings	0									
19	No. of Papers presented in conferences	0									
20	Books written/ Edited/Chapters in Books	0									
21	No. of students awarded Ph. D.	0									
22	No. of students registeed for Ph. D.	0									
23	NO. OF Conferences attended	0									
24	Referesher / Orientations attended	0									

25	Travel Grant / FIP/ other availed	0	
26	Lectures delivered as resource person	0	
27	Seminar/ Quiz competition conducted	0	
28	GT Meetings conducted	0	
29	Use of ICT in T-L process	0	
30	Community work, if any	0	
31	College comm.- Convener / member	0	
32	Participation in NSS / NCC/ other	0	
33	University contribution , if any	0	
34	ANY OTHER INFO. / SUGGESTIONS:	NO	
HEAD OF DEPT		Signature of Teacher	
		Principal	

h. s. lunge
Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.



[Signature]
Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI
Department Name: Language
FACT SHEET ACADEMIC AUDIT 2017-2018

DEPT: -		Name of the	HoD
Teacher:		Dr. R.V.Itewad	remark
S.N.	INFORMATION	Data to be filled by teacher	
2	Number of Units allotted	32	
3	Number of Units completed	32	
4	Number of Units remained	0	
5	Number of lectures due	MEB-91, BIO-88,CS-84,M-89	
6	Number of lectures engaged	MEB-67, BIO-65,CS-65,M-76	
7	Number of extra lectures	MEB-44,BIO-50,CS-41,M-41	
8	Average Attendance of students	MEB-90,BIO-90,CS-88,M-85	
9	University Results- Semesters(previous)	II SEM	I SEM
10	Pass percentage	94	94
11	% of Pass above 60% marks	81	77
12	% of Pass between 50-60% marks	15	19
13	% of Pass below 50% marks	4	4
14	Minor projects completed / ongoing /amount	nil	
15	Major projects completed / ongoing / amount	nil	
16	Number of Papers published in Journals	nil	
17	Total CITATIONS	nil	
18	Max. IMPACT FACTOR / h-index	nil	
19	No. of Papers published in proceedings	nil	
20	No. of Papers presented in conferences	nil	
21	Books written/ Edited/Chapters in Books	nil	
22	No. of students awarded Ph. D.	nil	
23	No. of students registeed for Ph. D.	nil	
24	NO. OF Conferences attended	nil	
25	Referresher / Orientations attended	nil	
26	Travel Grant / FIP/ other availed	nil	
27	Lectures delivered as resource person	nil	
29	Seminar/ Quiz competition conducted	nil	
30	GT Meetings conducted	nil	
31	Use of ICT in T-L process	nil	
32	Community work, if any	Gandian Thought, Bhagawadgeeta exam conducted	
33	College comm.- Convener / member	0/4	
34	Participation in NSS / NCC/ other	NSS camp visit	
35	University contribution , if any	Valuation, Invigilation	
36	ANY OTHER INFO. / SUGGESTIONS:		

Handwritten signature

HEAD OF DEPT

Handwritten signature

Signature of Teacher

Principal

Handwritten signature
Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.



Handwritten signature
Principal
Shri Shivaji Science College
AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

DEPARTMENT FACT SHEET : ACADEMIC AUDIT 2017-18

DEPT :- MATHEMATICS

Sr. No.	INFORMATION	Data to be filled by department
1	Number of Teachers (Permanent / Temp.)	Permanent-3
2	Number of Teacher with Ph.D.	1
3	Number of Teacher with M. Phil.	0
4	Number of Teacher with Net / Set	0
5	Number of Nonteaching staff	0
6	Number of UG students	
7	Number of PG students	0
8	Student-Teacher ratio (UG)	191 : 01 : 00
9	Number of temporary teachers (previous)	0
10	University Result – Semesters (previous)	II / IV / VI / I / III / V
11	Pass percentage	93.33 / 88.33 / 94.28 / 90.67 / 90.40 / 83.62
12	% of Pass above 60% marks	49.73 / 47.16 / 62.24 / 47.42 / 65.35 / 39.19
13	% of Pass between 50-60% marks	20.32 / 27.04 / 20.60 / 22.28 / 18.44 / 25.68
14	% of Pass below 50% marks	27.27 / 26.41 / 16.96 / 30.28 / 16.20 / 35.14
15	Minor projects completed / ongoing amount	
16	Major projects completed / ongoing amount	
17	Total No. of Papers published in Journals	1
18	Total Citations	
19	Max. Impact factor / h-index	
20	Papers published in proceedings	
21	Papers presented in conferences	
22	Books written / Edited / Chapters in Books	
23	Number of Supervisors	
23	No. of students awarded Ph. D.	
24	No. of students registered for Ph. D	
25	No. of Conferences attended	Conference-00, workshop-00
26	Refresher / Orientations attended	
27	Travel Grant / FIP / other availed	
28	Lectures delivered as resource person	
29	Seminar / Quiz / aptitude test / Guest lecture organized for students	
30	Conferences / seminars / workshop organized for	
31	Educational tour / Field / Industrial visits / Extension activities organized	
32	Collaborations / MoU / Consultancy	
33	Number of UG / PG / Research labs	
34	Total No. of Computers / printers / LCD	Computer 1 Printer 1
35	No. of Computers / printers / LCD added during the year	Nil
36	Budget allocated	10,000
37	Name Best / Innovative practices / Suggestions, if any :	

H. S. Lunge
Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.



H. S. Lunge
Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI
Department FACT SHEET: -ACADEMICAUDIT 2017 -18
DEPT: -MICROBIOLOGY

S.N	INFORMATION	Data to be filled by department			
1	NumberOfTeacher (Temp.)	3 (Permnet)			
2	NUMBER Of Teacher With Ph.D.	3			
3	NUMBER Of Teacher With M.Phil.	-			
4	NUMBER Of Teacher With NET/SET	-			
5	Number of Nonteachingstaff	2			
6	Number of UGStudents	142			
7	Number of PG Students	-			
8	Student- Teacher ratio(UG)	46.01			
9	Number of temporaryteachers	-			
10	UniversityResults-Semesters(previous)				
11	Passpercentage	Sem.II I V	Sem. I III V	99% 85% 100%	
12	%of Pass above60% marks	Sem.II I V	Sem. I III V	87% 67% 84%	
13	%of Passbetween50-60% marks	Sem.II I	Sem. I III V	13% 33% 12%	
14	%of Pass below 50%marks	Sem.II IV V	Sem. I III V	05% - -	
15	Minor projects completed /ongoing/amoun	-			
16	Major projects completed /ongoing/amoun	-			
17	Total no. of Papers published in Journals	6			
18	TotalCITATIONS	290			
19	Max. IMPACTFACTOR / h-index	4.36/7			
20	Paperspublished in proceedings	2			
21	Paperspresented in conferences	4			
22	Bookswritten/Edited/Chapters in Books	-			
23	Number ofSupervisors	3			
23	No. ofstudents awarded Ph. D.	Submitted-2			
24	No. ofstudents registeed forPh. D.				
25	NO. OFConferencesattended	3			
26	Referresher/ Orientationsattended	-			
27	TravelGrant / FIP/otheravailed	-			
28	Lecturesdeliveredasresource person	-			
29	Seminar/Quiz / aptitudetest / Guestlectureorganisedfor students	Seminar Competition-01 Guestlecture-01			
30	Conferences / seminars /workshop fororganisedfor teachers	erence on RecentTrends in BiotechnologyandBiodiversit			
31	Educationaltour / Field/ Industrialvisits / Extension activitiesorganised	Extention Activity-1 visit-02			
32	Collaborations /MoU / Consultancy	-			
33	Numberof UG /PG/ Research labs	UG-01/PG-0/Research-01			
34	TotalNo. of Computers /printers / LCD	Computers-02/Printer-02/LCD-01			
35	No.ofComputers/ printers/LCDdaddedduringthe year	-			
36	Budgetallocated	1,50,000/-			
37	NameBest / Innovative practices /Sugessions,ifany:	B.Sc.IIstudents done project			

Mult...

HEAD OF DEPT

IQAC CCOMMITTEE

Principal

Mult...
Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.



Mult...
Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI
DEPARTMENT FACT SHEET : ACADEMIC AUDIT 2017-18
DRPARTMENT OF PHYSICS

SN	Information	Data to be filled by department					
1	Number of Teacher (Permanent / Temp.)	6					
2	Number of Teacher with Ph.D.	6					
3	Number of Teacher with M.Phil.	Nil					
4	Number of Teacher with NET/SET	1					
5	Number of Nonteaching staff	1 Assistant and 5 attendants					
6	Number of UG Students						
7	Number of PG Students						
8	Student- Teacher ratio (UG)						
9	Number of temporary teachers	3					
10	University Results- Semesters(previous)	I W17	II S17	III W17	IV S17	V W17	VI S17
11	Pass percentage	58	66	73	55.5	55	64
12	% of Pass above 60% marks	41	52	64	46	41	63
13	% of Pass between 50-60% marks	15	15	18	21	22	20
14	% of Pass below 50% marks	44	33	18	33	37	17
	PG Results	I (W- 17)	II (S- 17)	III (W- 17)	IV (S- 17)		
	Pass percentage	32	52.6 3	38	55.5 6		
15	Minor projects completed / ongoing /amount(in Lac)	1 ongoing WSB (2.65)					
16	Major projects completed / ongoing /amount	Nil					
17	Total no. of Papers published in Journals	15					
18	Total CITATIONS	325					
19	Max. IMPACT FACTOR / h-index	3.72/ 4					
20	Papers published in proceedings	3					
21	Papers presented in conferences	2					
22	Books written/ Edited/Chapters in Books	1					
23	Number of Supervisors	4					
23	No. of students awarded Ph. D.	03					
24	No. of students registered for Ph. D.	1					
25	No. of Conferences attended	09					
26	Refresher / Orientations attended/STP	Nil					
27	Travel Grant / FIP/ other availed	Nil					
28	Lectures delivered as resource person	06					
29	Seminar/ Quiz / aptitude test / Guest lecture organized for students	1					

30	Conferences / seminars /workshop organized for teachers	Nil
31	Educational tour / Field / Industrial visits / Extension activities organized	01 Sky watching/01 Out reach/01 Visit at PGTD SGBAU
32	Collaborations / MoU / Consultancy	Nil
33	Number of UG / PG / Research labs	UG Labs : 4 PG Labs : 3 Research Lab : 1
34	Total No. of Computers / printers / LCD	Computers : 12 Printers : 02, LCD Projector : 01
35	No. of Computers / printers/ LCD added during the year	1
36	Budget allocated	Rs 3,95,000/-
37	Name Best / Innovative practices /Suggestions, if any:	Design and assembling of experimental kits, Use of ICT by students for seminars and use of software for analysis of experimental observations by students. Imparting value education to students.

Head of Department

AA Committee

Principal


Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.



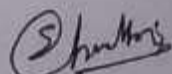

Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVTI
DEPARTMENT FACT SHEET ACADEMIC AUDIT 2017-18

Department: STATISTICS

S.N.	INFORMATION	Data to be filled by teacher						HOD Remark
1	Number Of Teacher (Permanent / Temp.)	4						
2	NUMBER Of Teacher With Ph.D.	3						
3	NUMBER Of Teacher With M.Phil.	Nil						
4	NUMBER Of Teacher With NET/SET	Nil						
5	Number of Nonteaching staff	2						
6	Number of UG Students	214						
7	Number of PG Students	Nil						
8	Student- Teacher ratio (UG)	53:1						
9	Number of temporary teachers	Nil						
10	University Results- Semesters(previous)	I	II	III	IV	V	VI	
11	Pass percentage	84.93	95.65	95.89	95.83	87.50	89.23	
12	% of Pass above 60% marks	83.87	86.36	97.15	98.55	89.28	93	
13	% of Pass between 50-60% marks	16.13	13.63	2.85	1.44	10.71	7	
14	% of Pass below 50% marks	Nil	Nil	Nil	Nil	Nil	Nil	
15	Minor projects completed / ongoing /amount	Nil						
16	Major projects completed / ongoing /amoun	Nil						
17	Total no. of Papers published in Journals	2						
18	Total CITATIONS	22						
19	Max. IMPACT FACTOR / h-index	Nil						
20	Papers published in proceedings	2						
21	Papers presented in conferences	2						
22	Books written/ Edited/Chapters in Books	0						
23	Number of Supervisors	1						
24	No. of students awarded Ph. D.	0/2						
25	No. of students registed for Ph. D.	Nil						
26	NO. OF Conferences attended	5						
27	Referesher / Orientations attended	Nil						
28	Travel Grant / FIP/ other availed	Nil						
29	Lectures delivered as resource person	Nil						
30	Seminar/ Quiz / aptitude test / Guest lecture organised for students/Workshop	1						
31	Conferences / seminars /workshop organised for teachers	1						

32	Educational tour / Field / Industrial visits / Extension activities organised	Nil	
33	Collaborations / MoU / Consultancy	Nil	
34	Number of UG / PG / Research labs	1+0+1	
35	Total No. of Computers / printers / LCD / Interactive Board	21+4+1+1	
36	No. of Computers / printers/ LCD added during the year	1	
37	Budget allocated	75000	
38	Name Best / Innovative practices /Sugessions,if any:	Nil	



Head

Head

Principal

H. S. Lunge
Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.



H. S. Lunge
Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Department FACT SHEET: - ACADEMIC AUDIT 2017 - 18

DEPT: - ZOOLOGY

S.N.	INFORMATION	Data to be filled by department					
1	Number Of Teacher (Permanent / Temp.)	06					
2	NUMBER Of Teacher With Ph.D.	05					
3	NUMBER Of Teacher With M.Phil.	01					
4	NUMBER Of Teacher With NET/SET	-					
5	Number of Nonteaching staff	05					
6	Number of UG Students	482					
7	Number of PG Students	36					
8	Student- Teacher ratio (UG)	80:1					
9	Number of temporary teachers	02					
10	University Results- Semesters(previous)	BIOLOGY					
		2016-2017 Summer			2017-18 Winter		
		II	IV	VI	I	III	V
11	Pass percentage	82	73	88.57	66	74	70
12	% of Pass above 60% marks	76	62	92	-	27	17
13	% of Pass between 50-60% marks	24	26	8	-	16	33
14	% of Pass below 50% marks	0	7	0	-	31	50
10	University Results- Semesters(previous)	MEB					
		2016- 17 Summer			2017-18 Winter		
		II	IV	VI	I	III	V
11	Pass percentage	93	72	89.28	71	85.91	67
12	% of Pass above 60% marks	88	63	96	-	85	34
13	% of Pass between 50-60% marks	12	20	2	-	11	39
14	% of Pass below 50% marks	0	10	4	-	3	32
15	Minor projects ongoing /amount(proposal submitted)	-					
16	Major projects completed / ongoing /amount(proposal submitted)	-					
17	Total no. of Papers published in Journals	26 (22+3+1)					
18	Total CITATIONS	80+14+					
19	Max. IMPACT FACTOR / h-index	4					

20	Papers published in proceedings	2
21	Papers presented in conferences	5
22	Books written/ Edited/Chapters in Books	2
23	Number of Supervisors	04
23	No. of students awarded Ph. D.	
24	No. of students registered for Ph. D.	4
25	NO. OF Conferences attended	16
26	Refresher / Orientations attended	----
27	Travel Grant / FIP/ other availed	01
28	Lectures delivered as resource person	03
29	Seminar/ Quiz / aptitude test / Guest lecture organized for students	01/2
30	Conferences / seminars /workshop organized for teachers	01 NCBB
31	Educational tour / Field / Industrial visits / Extension activities organized	Edu. Tour - 01 Extension - 04
32	Collaborations / MoU / Consultancy	Collaboration – 03 Consultancy - 02
33	Number of UG / PG / Research labs	01 Each
34	Total No. of Computers / printers / LCD	05/02/01/01 screen
35	No. of Computers / printers/ LCD added during the year	-
36	Budget allocated	2 lac/5 lac=07 lac
37	Name Best / Innovative practices / Suggestions, if any:- 1. Guest lecture 2.Wild life Week celebration 3. Nature camp	

Rondhoo
Dr. R. G. Jadhao
Head & Associate Professor
Shri Shivaji Science College, Amravati.

HEAD OF DEPT

AA COMMTT

Principal

h. s. lunge
Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.



[Signature]
Principal
Shri Shivaji Science College
AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI
INTERNAL QUALITY ASSURANCE CELL
2018-19
IQAC
ACADEMIC AUDIT OBSERVATIONS

The academic audit of all departments was conducted between **15/04/2019 to 24/04/2019**, including library and sports departments. The Chairman of IQAC Principal Dr. V. G. Thakare was the chairman of AA committee, Dr. W.S. Barde and Dr. H. S. Lunge as a member.

The interaction were held on the main points such as course covered, lectures engaged, quality analysis of University results, research publications and presentations, students academic activities conducted, educational/ industrial tours, guest lecture organized and best practices.

Following are the observation of the **Academic Audit** of the department:

- The new revised formats, for teachers and the department, developed by the IQAC were used.
- As per the UGC PBAS system, all types of the work are considered in hours and accordingly the score for each of the aspects are obtained.
- Information of the faculty and the department was collected through five different sections comprising programmes offered, work distribution, students enrolled, results along with qualitative analysis, academic plan and its execution, academic , extension and outreach activities organized, co curricular activities, measures for slow learners and guidance to advanced learners, performance of the students in other areas, professional development, research activities etc.
- Information of the faculty and departmental formats were not completely filled in some of the departments.
- Chemistry, Physics and Zoology department presented the info and data through ppt.
- The Environmental, Zoology, Physics, Computer Science, Microbiology and Biotechnology, Languages, Mathematics, Geology, Statistics, Sports, Library department had filled the complete information on all sections except Botany.
- All the departments are advised to start enrichment programmes for the students.
- Mathematics department has not conducted a single activity. All departments organized 2-6 activities and prepared prepared report accordingly.
- All departments are requested to prepare the academic plan for the next year as early as possible, so that it can be included in the college prospectus.
- In some of the department research output is very low.
- All the departments are advised to prepare a separate list of slow learners and take measures to improve the performance.
- Four certificate courses have been started and B.VoC. in Forensic Science
- MIS ERP solution software have been purchased in the office.
- District level Avishkar have been organized.
- Total teachers 59 of which 30 are Ph. D holders.
- The faculty have published 32 papers in international journals
- 12 faculty members have worked as resource person in conferences, seminars etc.

- 27 teachers are supervisors and 13 have been awarded degree.
- 05 seminars and conferences were organized
- 02 MoU and two collaborations have been signed in this year
- 43 various extension activities organized by departments, NSS, NCC and Sports.
- In this year new 1706 books of different subjects are added.
- 32 computers have been purchased by all departments and office.
- 182 students have been benefited by Career Counseling scheme
- 33 students participated in Games and sports at University, regional and state, and National level.

Suggestions:

- More Add-on or value added Certificate courses be started by departments
- The departments should encourage more students to participate in Avishkar Research festival and National Science day activities
- Extension activities be organized in the neighborhood on social and local issues.
- Subject related competitions be such as quiz, seminar, model preparation competitions.
- Teacher`s research findings be encouraged for patent filling.


Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.

ACADEMIC AUDIT

2018 - 19

Contents (Department wise):

1. Botany and Bioinformatics
2. Chemistry
3. Computer science
4. Environmental science
5. Geology
6. Language
7. Mathematics
8. Microbiology
9. Physics
10. Statistics
11. Zoology

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

Name of the Department	BIOTECHNOLOGY
------------------------	---------------

SECTION - I: GENERAL INFORMATION

A. Date and Year of Establishment :	2001
B. Name of Head of the Department	Dr. Mrs. C. S. Ukesh

C. Faculty (Regular & Contributory) :

Sanctioned	-	Filled	02 (Fix pay)02 CHB	Vacant	
------------	---	--------	--------------------	--------	--

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Dr. Rasika R Jane	Fix pay lecturer	M.Sc. PhD	12
2	Ms. Suwarna S Mankar	Fix pay lecturer	M.Sc, NET (ICAR)	05
3	Dr. Nikhil K Agrwal	CHB	M.Sc. PhD	05
4	Ms. Astha Kalbende	CHB	M.SC.	01
5	Ms. Farkhanda Rehaman	CHB	M.Sc.	04
6	Ms. Anjali Nimbhorkar	CHB	M.Sc.	02

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	N	N	N

E. Proposed plan for next Academic Year

S.N.	Activity	Date/Duration
1	Essay Competition	30.07.2019
2	Guest Lecture	31.07.2019
3	Quiz Contest	08.08.2019

4	Inter departmental Poster Competition	09.08.2019
5	Interaction with school students about the subject	29.10.2019
6	Visit of School students to the Biotechnology lab	15.1.2020
7	Biogene Society student unit inauguration and Guest lecture	18.01.2020
8	Visit to water and sewage treatment plant	05.02.2020
9	Visit to water and sewage treatment plant	22.02.2020
10	Intercollegiate (colleges from Amravati University) seminar competition and poster competition	28.02.2020

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	-
------------------------------	---

No. of faculty attended Refresher or Orientation Courses	-
--	---

No. of faculty Participated in short term courses, Capacity Building Workshops etc	-
--	---

No. of faculty members involved in curriculum restructuring/revision/syllabus development	03
---	-----------

Any attempts made towards enrichment of curriculum, if yes give details.	-
--	---

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year S- 18

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I	79.3%	25.53%	34.04 %	14.89%	4.2	13.8
B.Sc. II	100%	20%	60%	20%	-	18
B.Sc. III	70.80	20.6	20.6	58.6	10.3	11.2
AVE. SCORE						14.3
BCA I						
BCA II						
BCA III						
AVE. SCORE						
M.Sc. I						
M.Sc. II						
AVE. SCORE						

2. Result Analysis of last Academic Year – W-18

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I	89.5%	25%	22.91%	37.5%	4.1%	13.7
B.Sc. II	93.7 %	10%	55%	12%	6%	15.87
B.Sc. III	95 %	20%	55%	20%	5%	17.00
AVE. SCORE						
BCA I						
BCA II						
BCA III						
AVE. SCORE						
M.Sc. I						
M.Sc. II						
AVE. SCORE						

3. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II	BCA I	BCA II	BCA III
Intake	50	50	50					
Admitted	44	47	44					
Demand ratio								

4. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I
-	-

5. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score
July	60.5	54.5	58	5.7							
August	82	64.5	45	6.3							
September	68	71	55	6.4							
October	74.5	68	52	6.4							
January	75	56	58	4.5							
February	70	60	59	6.3							
March	75	67	66	6.9							
ACTUAL SCORE				4.25							

6. Measures taken to increase the attendance

7. E-content/reading materials developed for students

Name of the Teacher	
1. Dr. Rasika R Jane - Contact to parent	
2. Ms. Suwarna S. Mankar - Contact to parent	
ACTUAL SCORE	

8. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class
1. -	-
2. -	-
ACTUAL SCORE	

9. Any attempts made by department for value education, if yes give details.

10. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

11. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
Visit to water treatment plant	5 hrs	B.Sc. II Microbiology
Visit to CIC Lab SSSC Amravati	5 hrs	B.Sc. II Microbiology
Avishkar : Mr. Niraj Dwivedi participated in Avishkar compition Topic Antimicrobial Activity	28.Dec.2018	B.Sc. III Biotechnology
ACTUAL SCORE		2.5+2.5+2.5=7.5

12. Course covered (programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA- I	BCA-II	BCA-III	Total
Total no. of Units to be taught	12	12	12				
No. of Units completed	12	12	12				
No. of Units remained	00	00	00				
% of Practical completed	90%	90%	90%				
SCORE							09

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught			
No. of Units completed			
No. of Units remained			
% of Practical completed			
SCORE			

12. GIC at PG level/ Multidisciplinary approach – If Any , please specify

13. Innovative teaching practices - If Any, please specify

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)

S.N.	Activity	Date/Duration
1	Essay Competition	30.07.2018
2	Guest Lecture for B.sc. I students on communication skill	31.07.2018
3	Quiz Contest	28.08.2018
4	Inter departmental Poster Competition	01.10.2018
5	Interaction with school students	29.10.2018
6	Guest lecture by Dr. Vijay Charde on Spirulina	19.1.2019
7	visit of BA III students of K. L College, Amravati to our Tissue culture lab	15.02.19
8	Visit to water treatment plant	05.02.2019
	Score	8.0

SECTION – IV: RESEARCH OUTPUT

		SCORE
A. Intake capacity	-	-
B. No. of recognized supervisors	-	-
C. No. of students submitted/awarded Ph.D. degree	-	-
D. No. of registered students for Ph.D. degree	-	-
E. No. of fellow students	-	-
ACTUAL SCORE		

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
-	-	-	-	-	-
ACTUAL SCORE					

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
ACTUAL SCORE										

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
-		
ACTUAL SCORE		

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
1. Dr. Rasika Jane	N	02	04
2. Ms. Suwarna Mankar	N	02	04
ACTUAL SCORE			08

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
ACTUAL SCORE		

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
ACTUAL SCORE		

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
ACTUAL SCORE			

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
ACTUAL SCORE		

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		

SECTION - V : EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
1.	Visit to water treatment plant Tissue culture technique explained to X class school students	
ACTUAL SCORE		1

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
ACTUAL SCORE				

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
1. Ms. Suwarna Mankar	Valuation	5
2. Dr. Rasika R Jane	Valuation	5
3. Dr. Nikhil Agrwal	Valuation	5
ACTUAL SCORE		15

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
ACTUAL SCORE		

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
ACTUAL SCORE		

(Signature)

HOD

(Signature)
Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.

IQAC Committee



(Signature)
Principal
Shri Shivaji Science College
AMRAVATI.

Principal

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

Name of the Department	BOTANY
-------------------------------	---------------

SECTION - I: GENERAL INFORMATION

A. Date and Year of Establishment :	UG - 1958 PG (Botany) - 2005 PG (Bioinfo) - 2009 Research Lab - 1977 - 78
B. Name of Head of the Department	B. K. Dorkar
C. Faculty (Regular & Contributory) :	

Sanctioned	08	Filled	06 (+ 4 Temp)	Vacant	02
-------------------	-----------	---------------	----------------------	---------------	-----------

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Mr.B.K.Dorkar	Associate Prof	M.Sc.	
2	Dr.G.B.Hedawoo	Associate Prof	M.Sc., Ph.D.	20
3	Mr.T.B.Wankhede	Associate Prof	M.Sc., Ph.D.	20
4	Dr.D.V.Hande	Associate Prof	M.Sc., Ph.D.	16
5	Dr.D.D.Khedkar	Associate Prof	M.Sc., Ph.D.	21
6	Dr.R.C.Maggirwar	Assistant Prof	M.Sc., M.Phil., Ph.D., SET	15
7	Dr. A. V. Oke	Assistant Prof	M.Sc., Ph.D.	
8	Ms. Jayashre Baraskar	Assistant Prof	M.Sc.	
9	Mr. Shyam Ingale	Assistant Prof	M.Sc.	
10	Ms. Mitali Ghormade	Assistant Prof	M.Sc.	

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	Y	Y	PG (Bioinformatics)

E. Action Plan For Current Academic Year

S.N	Activity	Date/Duratio n

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	Nil
No. of faculty attended Refresher or Orientation Courses	02
No. of faculty Participated in short term courses, Capacity Building Workshops etc	01
No. of faculty members involved in curriculum restructuring/revision/syllabus development	Nil
Any attempts made towards enrichment of curriculum, if yes give details.	Additional Physiology, Molecular Biology and Biotechnology Experiments to prove the same aim were appended in B2 Batch of B. Sc. III Plant identification and Leaf surface studies were conducted under the DBT supported project.

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I Summer- 2018 of Sem- II	98.88	48.86	36.36	12.50	2.27	18.41
B.Sc. I Winter- 2018 of Sem- I	92.78	18.89	32.22	34.44	14.44	14.38
B.Sc. II Summer- 2018 of Sem- IV	83.16	26.21	47.96	20.47	3.22	15.73
B.Sc. II Winter- 2018 of Sem- III	70.48	19.87	35.42	27.95	22.46	12.57
B.Sc. III Summer-2018 of Sem- VI	72.98	22.78	37.85	26.04	10.56	13.36
B.Sc. III Winter-2018 of Sem- V	88.78	17.46	65.08	15.87	2.0	17.13
AVE. SCORE						15.26
M.Sc. I (Bot)	79.16	36.84	26.31	42.10	-	14.23
M.Sc. II (Bot)						
AVE. SCORE						
M.Sc. I						
M.Sc. II						
AVE. SCORE						

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I (Botany)	M.Sc. II (Botany)	M.Sc. I (Bioinfo)	M.Sc. II (Bioinfo)	
Intake				20	20	20	20	
Admitted				24	22	22	22	
Demand ratio								

3. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I
Nil	Nil

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score
ACTUAL SCORE											

5. Measures taken to increase the attendance

- Prior permission and compliance of the reasons

- b. Undertaking and warnings issued for PG Students at the time of admission
- c. Written notice of Head of the deptt to the absent students for longer period without permission

6. E-content/reading materials developed for students

Name of the Teacher	
Mr.B.K.Dorkar	
Dr.G.B.Hedawoo	
Mr.T.B.Wankhede	
Dr.D.V.Hande	
Dr.D.D.Khedkar	
Dr.R.C.Maggirwar	
Dr. A. V. Oke	
Ms. Jayashre Baraskar	
Mr. Shyam Ingale	
Ms. Mitali Ghormade	
ACTUAL SCORE	

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class
Nil	
ACTUAL SCORE	

8. Any attempts made by department for value education, if yes give details.

NIL

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

S.N.	Name of the Student	Achievement
1	Mr. Mukund Fiske	Avishkar National Prize
2	Mr. Lalit Pawar	Prize in E Cell, IIT Kharagpur Workshop at Warud, Presented review paper in National Conference
3	Mr. Yogesh Kaldate	Presented research paper in National Conference
4	Mr. Akash Dhotre	Presented review paper in National Conference
5	Ms. Saraswati Mayawanti	Presented review paper in National Conference

6	Solanke, S. V.	Presented review paper in National Conference
---	----------------	---

10. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
Botanical Excursion B. Sc. I Chikhaldara (GBH)	6/10/2018 One Day	48
Botanical Excursion to Semadoh B. Sc. II (DVH)		
Botanical Excursion M. Sc. Pench (DVH)	1 - 2/02/2019 Two Days	24
Institutional Visit B. Sc.III to University (TBW)	22/02/2019 One Day	35
Students' Exchange Program to Asam and Meghalaya B. Sc.III (DDK)	24/10 to 2/11/2018 Nine Days	36
Industrial Visit to Ankur Seeds and Raman Science Centre B. Sc. III (DDK)	10/10/2018	48
ACTUAL SCORE		

11. Course covered (programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III
Total no. of Units to be taught	12	12	12
No. of Units completed	12	12	12
No. of Units remained	00	00	00
% of Practical completed	100	100	100

B.

PG	M.Sc.-I	M.Sc.-II	MSc - I Bioinfo	MSc - II Bioinfo	Total
Total no. of Units to be taught	40	40	40	40	
No. of Units completed	40	40	40	40	
No. of Units remained	00	00	00	00	
% of Practical completed	100	100	100	100	
SCORE					

11. GIC at PG level/ Multidisciplinary approach - If Any , please specify

Nil

13. Innovative teaching practices - If Any , please specify

- Research Based Pedagogical Tool applied for B. Sc. I students by Dr. R. C. Maggirwar. The angiosperm families and medicinal plants were taught
- Inquiry Based teaching was conducted for B. Sc. III Bio Students by D. D. Khedkar. Questioning method was adopted to teach Photosynthesis topic from the Plant Physiology in Semester V
- Activity based teaching was used to teach DNA Structure for B. Sc. III Semester VI students.

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)

SECTION - IV : RESEARCH OUTPUT

		SCORE
A. Intake capacity	10	
B. No. of recognized supervisors	05	
C. No. of students submitted/awarded Ph.D. degree	01	
D. No. of registered students for Ph.D. degree	00	
E. No. of fellow students	02	
ACTUAL SCORE		

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
Major	D. D. Khedkar	DBT	Ongoing	8.00	15
ACTUAL SCORE					15

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJ R	SCORE
	Int .	Nat .	Total							
Mr.B.K.Dorkar	00			00	00					00
Dr.G.B.Hedawoo	02			33			3			20
Mr.T.B.Wankhede	00			00	00	00	00	00	00	00
Dr.D.V.Hande	01			46	4.576	Scientific indexing service	03			20
Dr.D.D.Khedkar	01			14	NAAS: 5.21	Index Copernicus	02			12
Dr.R.C.Magdirwar	02			15			03			5.3
ACTUAL SCORE										57.3

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
Mr.B.K.Dorkar	00	00
Dr.G.B.Hedawoo	00	00

Mr.T.B.Wankhede	01	02
Dr.D.V.Hande	00	00
Dr.D.D.Khedkar	06	12
Dr.R.C.Maggirwar	02	04
	ACTUAL SCORE	18

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
Mr.B.K.Dorkar		00	00
Dr.G.B.Hedawoo		06	12
Mr.T.B.Wankhede		02	04
Dr.D.V.Hande		04	08
Dr.D.D.Khedkar		06	12
Dr.R.C.Maggirwar		06	12
ACTUAL SCORE			48

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
D. D. Khedkar	01	05
R. C. Maggirwar	01	05
ACTUAL SCORE		10

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
Mr.B.K.Dorkar		
Dr.G.B.Hedawoo	<ol style="list-style-type: none"> 1. Worked as Judge of Poster Presentation session in National Conference held during 1st & 2nd February 2019 at Vidya Bharti Mahavidyalaya, Amravati. 2. Worked as moderator at J. B. College of Science, Wardha (Autonomous) 05 Oct. 2018. 	10
Mr.T.B.Wankhede	Nil	00
Dr.D.V.Hande	<ol style="list-style-type: none"> 1. International Symposium on Fungal Biology: Advances, Applications and Conservation & 45th Annual Meeting of the Mycological Society of India National Fungal Culture Collection of India 	10

	(NFCCI) (DST – National Facility), MACS' Agharkar Research Institute, Pune, November 19-21, 2018 Fungal metabolites of Pharmaceutical Importance 2. Workshop Plant and Environmental relationship MSP College, Manora, Dist Washim Plants and environment 3. Felicitation by VC Avishkar 28/12/2018	
Dr.D.D.Khedkar	1. Rapporteur for National Conference on Emerging Trends in Science, 1 – 2 February, 2019 2. Guest Lecture at State Level Prerana NSS Camp 26th Feb. 2019 3. Guest Lecture at HRDC, RTM Nagpur University, 6th Oct. 2018	10
Dr.R.C.Maggirwar	1. Keynote Address 2nd International Conference on Interdisciplinary Approach in Science Technology (ICIAST)Rotunda Garden, Colombo Sri Lanka 25-28, May 2018 2. Recourse Person for Student Exchange Programme. Assam-Maharashtra Twinning for outreach and Research Activity Envisaged in Foldscope Scheme. ADP college, Nagaon Assam, India. 3. Delivered lecture at Narsamma college on NSD 4. Session on Goal Setting and Time Management at Matoshree Vimalabai, Amravati 5. Session on Time Management at KL College, Amravati	10
ACTUAL SCORE		40

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
Dr. G. B Hedawoo	Mushroom cultivation- services regarding cultivation of <i>Pleurotus sajor-kaju</i> and its nutritional values.	500	10
ACTUAL SCORE			10

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
D. D. Khedkar	1. Dr. Mousmi Saikia	10

	Anandarm Dhekial Phookan College (A. D. P College) Nagaon, Assam 2. Dr. Roohi Mushtaq Sri Pratap College, Cluster University, Srinagar, J&K	
ACTUAL SCORE		10

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
		Nil
ACTUAL SCORE		

SECTION – V : EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
	As in Point 10	
ACTUAL SCORE		

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
	Dr. T. B. Wankhede	The Inauguration of Botanical Society for the year 2018-19 was made with the great hands of academicians and scientist Dr. Krishnendu Acharya, Professor and Head, Department of Botany, Calcutta University, Kolkata. On this occasion Dr. Krishnendu Acharya delivered a very informative and lucid guest lecture on "Mushroom Taxonomy and Beyond".	16 October 2018	
	Dr. R. C. Maggirwar	<ul style="list-style-type: none"> ● Composition of Executive Committee ● Installation ceremony of the executive committee for 2018-19 ● Workshop on "Paper bag making" in collaboration with IWSA ● Friendship day celebration ● "Matiche Ganpati" Abhiyan ● Interview on Akashvani Amravati 	26/07/2018 4/08/2018 4/08/2018 6/08/2018 11-13/09/18 13/09/2018	
	D. D. Khedkar	Under the outreach activities for DBT sponsored Foldscope Project Students conducted workshops to explore minuscule world for students and general public.	24 Workshops were conducted	
ACTUAL SCORE				

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
Mr.B.K.Dorkar		
Dr.G.B.Hedawoo	Exam related duties- invigilation/paper setting/moderation/valuation/practical examinations (UG. & PG.)	15
Mr.T.B.Wankhede	Question paper setting: (J. B. Science College, Wardha) Question paper setting: (RSTM, Nagpur University, Nagpur	15

	Moderation: (J. B. Science College, Wardha) Evaluation of answer scripts: External Examiner Duty: Internal Examiner Duty: SET/NEET exam duty	
Dr.D.V.Hande	Valuation of B.Sc.II and M.Sc. II Setting of M.Sc. II paper II Moderation B.sc. and MSc. Avishkar District Coordinator nominated by VC	06
Dr.D.D.Khedkar	Member, Board of Studies in Botany Member, Scrutiny Committee for New Courses and Colleges Valuation and Redressal	4.5
Dr.R.C.Maggirwar	Exam related- paper setting/moderation/valuation/practical exams	17.3
ACTUAL SCORE		

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
	Mr.B.K.Dorkar	00
	Dr.G.B.Hedawoo	00
	Mr.T.B.Wankhede	10
	Dr.D.V.Hande	00
	Dr.D.D.Khedkar	07
	Dr.R.C.Maggirwar	00
ACTUAL SCORE		17

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
	Dr.D.D.Khedkar	Refresher
	Dr.R.C.Maggirwar	Refresher, Train the Trainer
ACTUAL SCORE		20

H. S. Lunge
Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.



H. S. Lunge
Principal
Shri Shivaji Science College
AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

Session 2018-2019

Name of the Department	Department of Chemistry
-------------------------------	--------------------------------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	1958
B. Name of Head of the Department	Dr. G. N. Chaudhari

C. Faculty (Regular & Contributory) :

Sanctioned	Filled	Vacant
21	09	12

Name of Faculties:

S.N.	Name	Designation	Qualification	Service (Yrs)
1.	Dr. G.N. Chaudhari	Professor	M.Sc. Ph.D.	21
2.	Dr. S. K. Rithe	Associate Professor	M.Sc. Ph.D.	31
3.	Dr. A. S. Burghate	Associate Professor	M.Sc. Ph.D.	31
4.	Dr. P. R. Mandlik	Associate Professor	M.Sc. Ph.D.	23
5.	Dr. A. B. Bodade	Associate Professor	M.Sc. Ph.D.	14
6.	Dr. N. H. Bansod	Associate Professor	M.Sc. Ph.D.	14
7.	Dr. N. R. Thakare	Associate Professor	M.Sc. Ph.D.	14
8.	Dr. P. R. Padole	Associate Professor	M.Sc. Ph.D.	14
9.	Dr. Y. S. Thakare	Assistant Professor	M.Sc. Ph.D.	13

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify) COC
Y	Y	Y	Y (Cosmetology)

E. Action Plan For Next Academic Year 2019-20

S.N.	Activity	Date/Duration
1	Aptitude Test for B.Sc. I/III	7th Feb 2020
2	Intercollegiate Seminar Competition B.Sc. II	28th Feb 2020
3	Science Awareness Programme for school children	18th August 2019
4	Science Exhibition on Science Day	28th Feb 2020
5	Industrial Visit for UG & PG Students	Feb 2020
6	Quiz Competition for B.Sc.I	22nd Feb 2020
7	Visit State & National Laboratories	8th March 2020
8	Public Awareness and Social Services "Government Juvenile Home, Amravati."	15th August 2019 18th August 2019
9	Popularization of COC in Cosmetology for B.Sc. I	24th Sep. 2019
10	Review of Paper writing	20th Feb. 2020
11	Generation of resources from PG students fro UG level	22nd Feb. 2020

SECTION - II :HUMAN RESOURCE

No. of faculty attended FIP.	NIL
No. of faculty attended Refresher or Orientation Courses	NIL
No. of faculty Participated in short term courses, Capacity Building Workshops, etc.	01
No. of faculty members involved in curriculum restructuring/revision/syllabus development	NIL
Any attempts made towards enrichment of curriculum, if yes give details.	NIL

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. i) Result Analysis of last Academic Year (Summer-2018)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A(in %)	B(in %)	C(in %)	D(in %)	Score
B.Sc. I	83.55	34	42	19	4.66	16.15
B.Sc. II	86.31	37.91	43.47	13.5	00	16.79
B.Sc. III	81.55	24	51.44	22.44	00	15.69
M.Sc. I	86.36	00	94.73	5.26	00	18.13
M.Sc. II	86.95	00	90	10	00	17.69

ii) Result Analysis of last Academic Year (Winter -2018)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A(in %)	B(in %)	C(in %)	D(in %)	Score
B.Sc. I	82.53	27.55	35.55	25.88	10.88	14.56
B.Sc. II	77	36.55	45.33	20	00	15.88
B.Sc. III	85	39	52	10	00	17.60
AVE. SCORE						
M.Sc. I	45.83	00	100	00	00	14.58
M.Sc. II	45.45	00	100	00	00	14.58
AVE. SCORE						

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II
Intake	333	313	316	20	20
Admitted	333	315	319	24	22
Demand ratio	Nil	Nil	Nil		

3. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II
July	77	28	45	98	96
August	55	63	65	97	95
September	62	64	64	98	96
October	63	65	65	99	98
January	64	67	63	100	100
February	67	66	64	100	100
March	66	74	66	100	100
Average	64.86	61.00	61.71	98.86	97.85

5. Measures taken to increase the attendance.

1. Track absences in real-time
2. Connect with students via mobile & messaging
3. Keep the morale high with good curriculum
4. Boost personalized learning
5. Improve interactions
6. Implement rewards for positive behavior
7. Increase parent involvement

6. E-content/reading materials developed for students

Class	No. of modules/units	E-content
B.Sc.-II	Stereochemistry	https://www.slideshare.net/pramodpadole35/stereochemistry-by-dr-p-r-padole

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class	No. of beneficiaries
Dr. N.H. Bansod	B.Sc.-II (BIO & MEB)	30
Dr. P. R. Padole	B.Sc.-III (BIO & MEB)	40
Dr. P. R. Mandlik	M.Sc.-I	22

8. Any attempts made by department for value education, if yes give details.

S.N.	Name of the programs
1	Science Awareness Programme for school children
2	Science Exhibition on Science Day
3	Visit State & National Laboratories

4	Health and Hygiene
5	Menstrual Hygiene
6	Frequent open and transparent discussion with the students.
7	Workshop on "Do the right decision at right time"

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

Special Guidance	No. of Beneficiaries	Achievements
IIT-JAM, Pune NCL M.Sc. Entrance Exam. & Other entrance exam. Tirf summer training programme	50	02

10. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title, objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
Intercollegiate Seminar Competition for B.Sc. II	27 th Feb 2019	65
Intercollegiate Seminar Competition for M.Sc. I	27 th Feb 2019	30
Aptitude Test for B.Sc. I	7 th Feb 2019	60
Aptitude Test for B.Sc. III	9 th March 2019	35

11. Course covered (programmewise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III
Total no. of Units to be taught	12	12	12
No. of Units completed	12	12	12
No. of Units remained	00	00	00
% of Practical completed	100%	100%	100%

B.

PG	M.Sc.-I	M.Sc.-II
Total no. of Units to be taught	10	10
No. of Units completed	10	10
No. of Units remained	00	00
% of Practical completed	100%	100%

11. GIC at PG level/ Multidisciplinary approach -If Any , please specify

13. Innovative teaching practices - If Any , please specify

14. Extent to which Action Plan executed (IN%) (Enlist the activities with date/s)

S.N.	Activity	Date/Duration
1	Aptitude Test for B.Sc. I	7 th Feb 2019
2	Intercollegiate Seminar Competition B.Sc. II	28 Feb 2019
3	Science Awareness Programme for school children	18 th August 2018
4	Science Exhibition on Science Day	28 Feb 2019
5	Industrial Visit for UG & PG Students	Feb 2019
6	Quiz Competition for B.Sc.I	22 nd Feb 2019
7	Visit State & National Laboratories	8 th March 2019
8	General Aptitude Test	27 th Feb 2019
9	Popularization of COC in Cosmetology for B.Sc. I	24 th Sep. 2018
10	Review of Paper writing	20 th Feb. 2019
11	Health and hygiene	23 rd Sep. 2018
12	Menstrual Hygiene	30 th Sep. 2018
13	Generation of resources from PG students fro UG level	22 nd Feb. 2019
14	20 th Annual Convention and Research Methodology in Current Context	2 nd Dec. 2018
15	'Nilay Bhamburkar' Lecture Series	18 th Feb. 2019
16	Inauguration of Soil Analysis Project	18 th Feb. 2019
17	Aptitude Test for B.Sc. III	9 th March 2019

SECTION - IV: RESEARCH OUTPUT

A. Intake capacity	20
B. No. of recognized supervisors	06
C. No. of students awarded Ph.D. degree	06
D. No. of students submitted for Ph.D. degree	03
E. No. of registered students for Ph.D. degree	05
F. No. of fellow students	04

G. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status(ongoing /completed)	Outlay (Lack)
Major Research Project Synthesis and Characterizations of Nanostructured and Nanocomposite metal oxides for Biosensor Applications.	Dr. G. N. Chaudhari	UGC	Completed	8,80000

H. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNI P	SJR	SCORE
	Int .	Nat .	Total							
Dr. G.N. Chaudhari	04	00	04	132	0.916		16			35
Dr. S. K. Rithe	01	00		30	0.916					17.5

Dr. A. S. Burghate	01			51			05			17.5
Dr. P. R. Mandlik	03			120	0.916					60
Dr. A. B. Bodade	03			132	0.916		16			26.5
Dr. N. H. Bansod										
Dr. N. R. Thakare	01			52			05			17.5
Dr. P. R. Padole	01			132	5.7		04			17.5
Dr. Y. S. Thakare										

I. Paper Presented Oral/Poster

Name of Teachers	No. of Papers
Dr. G.N. Chaudahri	01
Dr. S. K. Rithe	01
Dr. A. S. Burghate	03
Dr. P. R. Mandlik	02
Dr. A. B. Bodade	01
Dr. N. H. Bansod	02
Dr. N. R. Thakare	01
Dr. P. R. Padole	02
Dr. Y. S. Thakare	02

J. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	Total
Dr. G.N. Chaudahri	N/R	01/01	02
Dr. S. K. Rithe	R	01	01
Dr. A. S. Burghate	N/R	02	02
Dr. P. R. Mandlik	I/N/R	01/01/01	03
Dr. A. B. Bodade	N/R	01/01	02
Dr. N. H. Bansod	I/N/R	01/01/01	03
Dr. N. R. Thakare	I/N/R	01/01/01	03
Dr. P. R. Padole	I/N/R	01/01/01	03
Dr. Y. S. Thakare	I/N/R	01/01/01	03

K. Books written/edited

Name of Teachers	No. of Books/Chapters Coauthor	SCORE
Dr. P. R. Mandlik	01 (Coauthor)	03
	05 (Editor)	15
Dr. P. R. Padole	01 (Coauthor)	03

L. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc
Dr. P. R. Mandlik	Elected as a Secretary of AUCTA, Amravati.
Dr. N. H. Bandod	Ph.D. Awardee

M. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.

N. Collaboration MoU

Name of Teachers	Area of consultancy
Dr. P. R. Padole	Dr. P.D. Medical College, Amravati
	Shodh Advantech LLP, Aurangabad

O. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		

SECTION - V: EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities (e.g. field work, study tour, industrial visit, career counseling, etc (keep record))

Sr. No.	Activities	Date / Duration
1	Carrier option available after M. Sc. by Dr. V. R. Patil, Mumbai University	Activities
2	Industrial Visit for UG & PG Students Hydrology Department Visit	8 th March.2019
3	Visit to CIC Laboratory	10 th March.2019
4	M.Sc. project	One year
5	Avishkar-2018 guidance	Two month
6	Provides Critical and challenging assignments, ISIS and Chem Draw Software for assigning IUPAC names to organic Compounds, Graphical representation by Origin 4.0 software's, Youtube lecture by using Camtasia2018 software, etc	One year

B. Extension /outreach activities (e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s
1.	Dr. A. S. Burghate	Savitri chya Leki	3 rd Jan. 2019
2.	Dr. A. B. Bodade	AAHARATUN AROGYAKADYUN SUNDARTEKAD	24 th Sept. 2018
3.	Dr. Y. S. Thakare	Mothers Pet	22 nd Feb. 2019
4.	Dr. N. H. Bansod Dr. Y. S. Thakare	Tree Plantation	31 st July 2019
5.	Dr. N. H. Bansod	Swachh Bharat Abhiyan	2/10/2018
6.	Dr. N. H. Bansod	Nukkad and Street Play	20-27 th Nov.18
7.	Dr. N. H. Bansod Dr. Y. S. Thakare	Blood donation Camp	14 th Feb. 2019
8.	Dr. N. H. Bansod	Adoption of Village (Ajangaon Bari)	26 th Nov. to 4 th Dec.2019

IST E	AC T	ISC A	AUCT A	NUT A	ALUMIN I	MRS I	TRE E	WILD L	G.C .	IASSC A	MV P
01	09	09	10	05	09	01	08	01	01	01	06

C. Contribution to University work (keep record)

- Senate : 02
- Redesigning of UG & PG Curriculum : 01
- Moderation : 03
- LEC : 01
- University Vigilance committee : 01
- Subject Expert & Member of Research Advisory Committee constituted as per the Ordinance No. 1 of 2016 for the admission and registration for Ph.D. degree : 01
- Member of VC nominee for selection / promotion : 01
- Member of Subject expert for selection / promotion : 04
- Members are involved in Paper setting / valuation / Redressal / conducting practical examinations etc. : 09

D. Membership of Academic Associations

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
1	Dr. Y. S. Thakare	Short Term Course



HEAD OF DEPT

AA COMMTT

Principal


Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.




Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

2018-2019

Name of the Department	COMPUTER SCIENCE
------------------------	------------------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	1988
B. Name of Head of the Department	Dr. H.M. Deshmukh

C. Faculty (Regular & Contributory) : Regular-2 & CHB-16

Sanctioned	04	Filled	02	Vacant	02
------------	----	--------	----	--------	----

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Dr. H.M. Deshmukh	Head of Dept.	MCM,PGD,Ph.D	30
2	Prof. M.M. Bhonde	Asst. Professor	M.Sc,SET,DST	20

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	Y		

E. Action Plan For Current Academic Year

S.N.	Activity	Date/Duration
1	To arrange Seminar Competition & Workshop for Students	
2	To arrange Guest Lecture for Students	
3	To arrange Industrial Visit for Students	

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	Nil
No. of faculty attended Refresher or Orientation Courses	01
No. of faculty Participated in short term courses, Capacity Building Workshops etc	
No. of faculty members involved in curriculum restructuring/revision/syllabus development	02
Any attempts made towards enrichment of curriculum, if yes give details.	

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %		A (in %)		B (in %)		C (in %)		D (in %)		Score
B.Sc. I	95.65	94.29	20	14	62	68	18	18	-	-	17.7
B.Sc. II	95.71	92.85	24.24	10.76	51.51	60	16.67	9.23	0	7.69	17.10
B.Sc. III	79.10	93.42	8	27	66	48	26	25	-	-	16.08
AVE. SCORE											
BCA I	24	39.17	29.17	21.28	62.50	70.21	8.33	8.51	0	0	12.31
BCA II	54.12	34.70	2.22	0	62.23	57.58	33.33	9.09	0	0	10.53
BCA III	63.77	67.90	2.27	0	79.55	72.72	18.18	27.26	0	1.82	14.30
AVE. SCORE											
M.Sc. I	64.29	50	0	0	89	60	11	40	0	0	13.16
M.Sc. II	92.59	92.31	24	0	72	87.5	04	12.5	0	0	18.41
AVE. SCORE											

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I		B.Sc. II		B.Sc. III		M.Sc. I	M.Sc. II	BCA I	BCA II	BCA III
	CS	CA	CS	CA	CS	CA					
Intake	72	72	72	72	72	72	30	30	120	120	120
Admitted	71	60	70	70	76	67	30	26	127	95	87
Demand ratio											

**3. Number of students enrolled from the region other than home university region:
P.G/ Ph.D.**

Ph.D.	M.Sc. I
-	02

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I		B.Sc. II		B.Sc. III		AVE Score	M.Sc .I	M.Sc . II	AVE Score	BC A I	BC A II	BC A III	AVE Score
	C S	C A	C S	C A	C S	C A								
July-Oct	76	80	72	75	70	58		62	96		62	66	64	
Dec-Mar	80	73	78	78	65	53		72	94		64	71	67	
ACTUAL SCORE														

5. Measures taken to increase the attendance

6. E-content/reading materials developed for students

Name of the Teacher
1.
2.
ACTUAL SCORE

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class
1.	
2.	
ACTUAL SCORE	

8. Any attempts made by department for value education, if yes give details.

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

10. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
Workshop of PHP	13 to 16/08/2018	50
Workshop on Cyber Security	28/12/2018	50
Guest Lecture by Prasad Nandurkar	Jan-2019	250
ACTUAL SCORE		

11. Course covered (programme wise)

A.

UG	B.Sc.-I		B.Sc.-II		B.Sc.-III		BCA-I	BCA-II	BCA-III	Total
	CS	CA	CS	CA	CS	CA				
Total no. of Units to be taught	6	6	6	6	6	6	30	25	25	
No. of Units completed	6	6	6	6	6	6	30	25	25	
No. of Units remained	-		-		-		-	-	-	
% of Practical completed	100		100		100		100	100	100	
SCORE										

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught	24	24	48
No. of Units completed	24	24	48
No. of Units remained	-	-	-
% of Practical completed	100	100	100
SCORE			

11. GIC at PG level/ Multidisciplinary approach - If Any , please specify

13. Innovative teaching practices - If Any , please specify

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)

SECTION - IV : RESEARCH OUTPUT

	SCORE
A. Intake capacity	
B. No. of recognized supervisors	
C. No. of students submitted/awarded Ph.D. degree	
D. No. of registered students for Ph.D. degree	
E. No. of fellow students	
ACTUAL SCORE	

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
-					
ACTUAL SCORE					

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
ACTUAL SCORE										

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
ACTUAL SCORE		

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
Prof. Mukul M. Bhonde	N	01	
ACTUAL SCORE			

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
ACTUAL SCORE		

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
ACTUAL SCORE		

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
ACTUAL SCORE			

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
ACTUAL SCORE		

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		

SECTION - V : EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
	Industrial Visit to Wipro At Hyderabad (Jan-2019)	
ACTUAL SCORE		

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
ACTUAL SCORE				

C. Contribution to university work (keep record)


Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
Dr. Hemant M. Deshmukh	BOS Member, SEC, LEC, Curric.Restr.	
Prof. M.M. Bhonde	SEC, LEC, Curric.Restr. ,Valuation	
ACTUAL SCORE		


D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
	Dr. H.M.Deshmukh, Prof. M.M. Bhonde	
ACTUAL SCORE		

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
	Prof. M.M. Bhonde	Refresher Course
ACTUAL SCORE		


 Head
 Dept. of Computer Science
 Shri Shivaji Science College,
 Amravati.


 Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.




 Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

Name of the Department	ENVIRONMENTAL SCIENCE
-------------------------------	------------------------------

SECTION - I: GENERAL INFORMATION

A. Date and Year of Establishment :	1999
B. Name of Head of the Department	Dr. S. P. Ingole

C. Faculty (Regular & Contributory) : Regular-2 & Contributory -7 (1+6)

Sanctioned	03	Filled	02	Vacant	01
-------------------	----	---------------	----	---------------	----

S.N.	Name	Designation	Qualification	Service (Yrs)
1.	Dr. S. P. Ingole	Head & Assist. Professor	M.Sc., B.Ed., Ph.D.	19
2.	Mr. K.J. Gawai	Assist. Professor	M.Sc., M.Phil., NET	09

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other (specify)
Y	Y	Y	

E. Proposed Action Plan for Next Academic Year (2019 -2020)

S.N.	Date/Duration	Activity	Event to be organized
1	1 July 2019	National Tree Month	• Tree plantation
2	29 July 2019	International Tiger Day celebration	• School level Seminars
3	Aug. 2019	Environmental Society Inauguration	• Guest Lecture
4	25-31 Aug. 2019	World Water week	• Workshop on Rain Water Harvesting
5	12-13 Sept. 2019	Eco-Friendly Ganpati Festival	• Participation in awareness program
6	16 Sept. 2019	World Ozone Day	• Plastic Eradication drive • A Wall magazine competition for school student.
7	26 Sept. 2019	World Environmental health Day	• Workshop on Health & Environment (for girl's students at school level)
8	5 Dec. 2019	World Soil Day	• Interaction with Farmers of nearby area to create Soil Quality Awareness.
9		Vasundhara Festival	• Participation

10	25-30 Jan 2020	Workshop	• Workshop on application of GPS (5 Day)
11	3 March	World Wildlife Day	• Seminars at School Level by PG Student
12	21 March	World Forest Day/ World Planting Day & World Wood Day	• Seminars At School Level by PG Student
13	8 March	Women Day	• Rally
14	Continuous Monitoring Programme	Regular Noise and Air Pollution Monitoring	

SECTION - II:HUMAN RESOURCE

No. of faculty attended FIP.	-
------------------------------	---

No. of faculty attended Refresher or Orientation Courses	-
--	---

No. of faculty Participated in short term courses, Capacity Building Workshops etc	01
--	----

No. of faculty members involved in curriculum restructuring/revision/syllabus development	02 - S.G.B.A.U. Amt.
	01 - Gondwana University, Gadchiroli.

Any attempts made towards enrichment of curriculum, if yes give details.	
1. Meeting of all Environmental Science Teacher Association members to make Year wise suggestions as addition or deletion in current syllabus are to be prepare & discussed in June 2019	
2. P.G. Practical content is to be modified w.r.t. industry requirement.	

SECTION - III: TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year (Summer-2018)

(U.G.-max. score 20/semester & P.G.max. score 20/semester)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A(in %)	B(in %)	C(in %)	D(in %)	Score
B.Sc. I	61.36	14.81	48.15	37.04	-	12.43
B.Sc. II	89.13	39	48.8	12.2	-	17.69
B.Sc. III	97.36	13.51	59.45	27.02	-	17.03
AVE. SCORE						23.71
M.Sc. I	91.3	33.33	66.67			19.13
M.Sc. II	95.45	19.05	80.95			11.16
AVE. SCORE						15.29

Result Analysis of last Academic Year (Winter-2018)

(U.G.-max. score 20/semester & P.G.max. score 20/semester)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A(in %)	B(in %)	C(in %)	D(in %)	Score
B.Sc. I	56.52	11.54	50	26.92	11.54	11.80
B.Sc. II	82.5	30.3	42.42	24.24	3.03	15.52
B.Sc. III	91.84	24.24	62.22	11.11	2.22	17.85
AVE. SCORE						22.58
M.Sc. I	79.2	5.26	94.74			17.92
M.Sc. II	100	59.09	40.91			20.00
AVE. SCORE						18.96

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II	BCA I	BCA II	BCA III
Intake	50	50	50	24	24			
Admitted	50	40	49	24	22			
Demand ratio	25	13.33	16.33	2.66	2.44			

3. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I
_____	_____

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score
July	SPI-49.95 KJG-22	46.97	65.39	59.13	75.92	80.19	78.05				
Aug	SPI-51.82 KJG-38.31	40.26	63.81	61.86	80.12	85.71	82.91				
Sept	SPI-51.86 KJG-48.5	38.13	57.49	63.08	74.69	78.95	76.82				

Oct	SPI-63.79 KJG-62.8	26.71	60.03	71.11	76.45	77.22	76.83				
Jan	SPI-59 KJG-60	38.49	61.47	65.95	76.74	84	80.37				
Feb	SPI-61.21 KJG-50.4	38.58	58.57	62.92	72.68	79.32	76				
March	SPI-62 KJG-70	55.63	65.61	69.08	81.03	82.44	81.73				
	SPI-57.09 KJG-56.29	46.68	62	74.02	76.80	81.12	78.96				
ACTUAL SCORE	SPI-6 KJG-6	4	8		10	10					

5. Measures taken to increase the attendance -

- Discussion with respective G.T.
- Students absent in theory are not permitted for practical.
- Personal interface with absent student to know reason about absent.
- At time of internal submission talk with those students.

6. E-content/reading materials developed for students

Name of the Teacher	
1.	Dr. S.P. Ingole - E- Content - module (6) B.Sc.- III 01 unit
2.	
ACTUAL SCORE	
12	

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class	Schedules	Beneficiaries
SPI + KJG	B.Sc. I	T-03, P-02	50
SPI + AUK	M.Sc. I	T-06, P- 02	24
ACTUAL SCORE			1.75

8. Any attempts made by department for value education, if yes give details.

Awareness about:-

- Society and Environment.
- Environmental Sustainability.
- Health, Hygiene & environment.

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements

- NET/SET guidance-Yet, no achievement.
- Guidance to participate & present paper in conference and other competitive exam.

10. Co-curricular activities organize for students (seminars/workshops/field visits/guest lecturers etc, give details in prescribed formats)

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity/ Title	Objective	Date/Duration	No. of beneficiaries
<ul style="list-style-type: none"> Workshop 1. GIS & remote sensing workshop 2. Workshop with College Woman Empower Cell 	<ul style="list-style-type: none"> Awareness Knowledge Attitude Skills & Development Participation 	30.01.2019(7 hrs.)	98
		08.03.2019(5 hrs.)	100
<ul style="list-style-type: none"> Field Visit 1. Visit to Rattan India Power Ltd. 2. Visit to Chikhaldara 3. Visit Wadali Pond 4. Visit Sewage Treatment Plant 		28-29. 09. 2018(10 hrs)	94
		30.09.2019(12 hrs.)	44
		12.01.2019(4 hrs)	62
		12.02.2019(4 hrs)	55
<ul style="list-style-type: none"> Guest lecture - 1. Mr. Himanshu Mathur 1. Dr. Y. K. Mawale 3. Mrs. Nilima Ingle 		21.08.2018(1 hrs)	185
		04.09.2018(2 hrs)	300
		04.09.2018(2 hrs)	300
ACTUAL SCORE			4.7

11. Course covered (programmewise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA- I	BCA-II	BCA-III	Total
Total no. of Units to be taught	06 +06	06 +06	06 +06				18
No. of Units completed	06 +06	06 +06	06 +06				18
No. of Units remained	-	-	-				-
% of Practical completed	100	100	100				100
SCORE							70

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught	20 +20	20 +20	80
No. of Units completed	20 +20	20 +20	80
No. of Units remained	0	0	0
% of Practical completed	100	100	100
SCORE			70

12. GIC at PG level/ Multidisciplinary approach –If Any , please specify

Student are not registered for general interest course.

13. Innovative teaching practices - If Any , please specify

- Spaced learning
- Desire method.

- Participatory teaching
- Working models of Air Pollution Control devices are shown to B.Sc. IIIrd year students.
- RBPT - topic are provided & their presentation.
- Engagement – application of knowledge

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)(18 -19)

No.	Activity Proposed	Activities completed in 18-19	Date	%
	15 No.	Completed-11 No.		85
1.		Tree plantation Programme	31.07.2018	
2.		Tiger Day Celebration	30.07.2018	
3.		Cycle Rally (with computer dept.)	15.08.2018	
4.		Environmental Science Society Inauguration (Guest Lecture)	21.08.2018	
5.		World Water Week (Guest Lecture)	04.09.2018	
6.		Maticha Ganpati BasawaMohim	11-13 Sept. 2018	
7.		World Ozone Day Celebration	18.10.2018	
8.		World Soil Day (Interaction with Farmer)	Dec-2018	
9.		Light out Day for 1 Hrs. in department	14 .12.2018	
10.		Workshop on GIS	30.01.2019	
11.		Women Day (with College woman Empower cell)Workshop	08.03.2019	
12.	Other	Participate in wasundhara Film Festival	5,6,7 Oct. 2018	
13.		Regular Noise and Air Pollution Monitoring	Continuous	
14.		Air pollution monitor	Continuous	
15.		Environmental literacy survey	Jan-Feb 2019	

SECTION - IV:RESEARCH OUTPUT

		SCORE
A. Intake capacity	05	
B. No. of recognized supervisors	01	
C. No. of students submitted/awarded Ph.D. degree	01 (A)	15
D. No. of registered students for Ph.D. degree	03+2	
E. No. of fellow students	-	
ACTUAL SCORE		15

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status(ongoing/completed)	Outlay(Lac)	SCORE
-	-	-	-		
ACTUAL SCORE					

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
Dr. S. P. Ingole	03	01	04		6.261	Index copernicus, UGC, Academia.edu				

Mr. K.J. Gawai	-	-	-						
ACTUAL SCORE									82

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
-	-	-
ACTUAL SCORE		

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
Workshop			
Dr. S. P. Ingole	State	02	03
Mr. K.J. Gawai	State	01	1.5
	Regional	01	01
Conference			
Dr. S. P. Ingole	National	02	05
ACTUAL SCORE			10.5

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
Dr. S. P. Ingole	A text book of Environmental conservation and management(Dnyanpath publication) ISBN-30:978-93-87278-27-1	05
ACTUAL SCORE		05

K. Awards/recognitions/chaired session by faculty/faculty as a resource person(give details)

Name of Teachers	Awards/recognitions etc	SCORE
Dr. S. P. Ingole	Res. Person-02	15
ACTUAL SCORE		15

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
Dr. S. P. Ingole & Mr. K.J. Gawai	Air, Water, Soil	5220	05
ACTUAL SCORE			05

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
Dr. S. P. Ingole & Mr. K.J. Gawai	1. Amt. Municipal Corporation, Amt.	05
	2. Geotech GIS training institute & consultancy service, Aurangabad	05
ACTUAL SCORE		10

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
_____	_____	_____
ACTUAL SCORE		

SECTION - V:EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, Prs, etc (keep record)

Sr. No.	Activities	SCORE
	Field work-	
1	Noise pollution monitoring prog (1 hrs /month) 12x2=24	2.4
2	Air pollution monitoring prog. (1 hrs/month) 12x2=24	2.4
3	Environmental literacy survey (48 hrs)	4.8
	Study Tour	
1	Chikhaldara Tour(12 hrs)	1.2
2	Visit to wadali pond(4 hrs) 4x2 hrs =8 hrs	0.8
	Industrial visit	
1	Visit sewage treatment plant(4 hrs)	0.4
2	Visit to Rattan India power plant ltd.(10hrs)	1
	Prs	10.08
ACTUAL SCORE		23.08

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
1	SPI &KJG	<ul style="list-style-type: none"> • Outreach 1.World Soil Day- Interaction with farmers. 2.Drinking water quality analysis from Bhatkuli tehsil 3. Bioremediation of textile waste water. 4.EIA of railway station on the occasion of festival 5.Woman day (Walkathon) 'BatiBachaoBetiPadhao Rally' 6. Green audit of School 	05 .12.18 (03 hrs) 12 Dec. to 10Feb 2019 (8 hrs) 15 Dec. to 10 Feb. 2019 (8 hrs) 3 Nov. to 10 Feb. 2019 (8 hrs) 8.3.19 (8 hrs) 5 Jan to 5 Feb 2019 (8hrs)	43 hrs
ACTUAL SCORE				4.3

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
Dr. S. P. Ingole	Paper setting UG + PG(0+2)(08 hrs)	0.8
	Paper setting UG (Raisoni college) (2) (08hrs)	0.8
	Moderation (W + S) UG-2 + PG-2(28hrs)	2.8
	Valuation UG + PG+ Redressal 57+82+8 (28 hrs)	2.8
	Practical exam. W+S	
	External -5 (27 hrs)	2.7
	Internal(30 hrs)	3.0

	Internal Assessment	
	B,Sc.III. Seminar-48 students (10 hrs)	1.0
	B,Sc-I Assignments	
	College Exam	
	Paper setting (04 hrs)	0.4
	Valuation(14 hrs)	1.4
	ACTUAL SCORE	15.70
Mr. K.J.Gawai	Paper setting UG + PG(0+2)(08 hrs)	0.8
	Moderation (W + S) UG=0 + PG (14hrs)	1.4
	Valuation UG + PG+ Redressal86+44+2(28 hrs)	2.8
	Practical exam. W+S	
	External -4 (22hrs)	2.2
	Internal (30 hrs)	3
	Internal Assessment	
	B,Sc.II. Seminar-08 students (1.20hrs)	0.12
	B,Sc-I Assignments	
	College Exam	
	Paper setting (08hrs)	0.8
	Valuation (28hrs)	2.8
	ACTUAL SCORE	13.92

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
ACTUAL SCORE		

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
	SPI	(S.T.C.-03 days) workshop on RBPT -30 hrs
ACTUAL SCORE		10

Any Other: -

[Handwritten Signature]

HEAD OF DEPT

AA COMMITTEE

PRINCIPAL

[Handwritten Signature]
Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.



[Handwritten Signature]
Principal
Shri Shivaji Science College
AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

2018-19

Name of the Department	GEOLOGY
------------------------	----------------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	1984
B. Name of Head of the Department	-

C. Faculty (Regular & Contributory) : Fix pay

Sanctioned	03	1 filled	01 + 2(fixed pay)	Vacant	02
------------	----	----------	-------------------	--------	----

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Dr. Kodate	Assistant Professor	M.Sc., Ph.D.	14
2	Ms. Apurava D. Fuladi.	Assistant Professor (Fix pay)	M.Sc.,	2 year
3	Dr. S. R. Warghat	Assistant Professor (CHB)	M.Sc., Ph.D.	2 year
4	Mr. Kartik P. Tiwari.	Assistant Professor (CHB)	M.Sc.,	1 year
5	Mr. S. G. Thakre	Assistant Professor (CHB)	M.Sc.,	2 year

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y			

E. Action Plan For Current Academic Year

Month	Date/ Duration	Activities
September, 2018	5	Teachers' Day Celebration
September, 2018	10-15	Geological society inauguration, Wall Maxine Competition and organization of guest Lectures
October, 2018	27-28	Field visit
January 2019	1-5	Workshop organize on Remote sensing & GIS
February 2019	28	Celebration of National Science Day
March, 2019	17	World Water Day

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	Nil
------------------------------	-----

No. of faculty attended Refresher or Orientation Courses	Nil
--	-----

No. of faculty Participated in short term courses, Capacity Building Workshops etc	Nil
--	-----

No. of faculty members involved in curriculum restructuring/revision/syllabus development	Nil
---	-----

Any attempts made towards enrichment of curriculum, if yes give details.	Nil
--	-----

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year

Sem: Odd

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I	72.22	-	34.61	3.84	61.63	
B.Sc. II	51.11	-	4.34	30.43	65.21	
B.Sc. III	58.97	-	43.47	26.07	30.43	
AVE. SCORE						
M.Sc. I						
M.Sc. II						
AVE. SCORE						

Sem: Even

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I	74.29	19.23	26.92	11.53	42.30	
B.Sc. II	80	6.25	18.75	31.25	43.75	
B.Sc. III	71.11	-	37.5	37.5	25	
AVE. SCORE						
M.Sc. I						
M.Sc. II						
AVE. SCORE						

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II
Intake	40	40	40		
Admitted	38	45	41		

Demand ratio					
--------------	--	--	--	--	--

**3. Number of students enrolled from the region other than home university region:
P.G/ Ph.D.**

Ph.D.	M.Sc.
--------------	--------------

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score
July	31.52	65.14	52.91				
August	54.79	65.37	53.28				
September	46.63	70.70	58.14				
October	47.52	30.29	40.60				
November	-	-	-				
December	-	-	-				
January	54.38	43.94	66.30				
February	53.12	35.45	32.69				
March	44.58	41.36	38.04				
ACTUAL SCORE	47.50	50.32	48.85				

5. Measures taken to increase the attendance

Personal counseling, Counseling through Guardian Teacher.

6. E-content/reading materials developed for students

Name of the Teacher
ACTUAL SCORE Nil

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class	no. of beneficiaries
ACTUAL SCORE		Nil

8. Any attempts made by department for value education, if yes give details.

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

S/N	Name of Student	Programme	Achievements
1	Ashwini S. Raut	IIT JAM Exam (Subject - Geology)	Qualified
2	Rushabh A. Lanjewar	IIT JAM Exam (Subject - Geology)	Qualified
3	Rohit M. More.	IIT JAM Exam (Subject - Geology)	Qualified

4	Shivani Sudhir Rajurkar	ONGC Scholarship exam	Qualified
5	Rutuja Anil Kharpe	ONGC Scholarship exam	Qualified
6	Rushikesh Sanjay Jaisinpure.	ONGC Scholarship exam	Qualified

10. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
Field visit	27/2/2019-28/2/2019	32
ACTUAL SCORE		

11. Course covered (programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA- I	BCA-II	BCA-III	Total
Total no. of Units to be taught	6	6	6				
No. of Units completed	6	6	6				
No. of Units remained	0	0	0				
% of Practical completed	100	100	100				
SCORE							

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught			
No. of Units completed			
No. of Units remained			
% of Practical completed			
SCORE			

11. GIC at PG level/ Multidisciplinary approach - If Any , please specify

13. Innovative teaching practices - If Any , please specify

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)

Month	Date/	Activities
-------	-------	------------

	Duration	
June, 2018	14	Academic Session Begins
	25	Regular teaching classes Starts
July, 2018	2-7	Bridge Course (Theory and Practicals) for the students of semester III rd and Semester V th
	9	Project allocation for B.Sc. II and B.Sc. III students
	16-20	Bridge Course (Theory and Practicals) for the students of I st semester
September, 2018	5	Teachers' Day Celebration
	10-15	Geological society inauguration, Wall Maxine Competition and organization of guest Lectures
October, 2018	5-10	Submissions of Practical Records and Project assignment of B.Sc. III and B.Sc. II
	5-10	Submissions of Practical Records and Project assignment of B.Sc. I
	9-12	Seminar submission & presentation of B.Sc. II and B.Sc. III
	27-28	Field visit
November, 2018	3	Session Ends
	5 - 24	Winter Vacation
	26	Session Starts
	7-8	Assignments and Project allocation B.Sc. II and B.Sc. III students
	10-15	Bridge Course (Theory and Practical's) for even semesters
January 2019	1-5	Workshop organize on Remote sensing & GIS
February 2019	27-28	Field visit
	28	Celebration of National Science Day
	16	Submissions of assignment of B.Sc. I students
	17	Submissions of Practical Records and Project assignment of B.Sc. II students
	18	Submissions of Practical Records and Project assignment of B.Sc. III students
	17-18	Seminar submission & presentation of B.Sc. II and B.Sc. III
March, 2019	27	Submissions of Practical Records B.Sc. I students
	31	Teaching Ends

DEPARTMENT OF GEOLOGY
ANNUAL REPORT 2018-19

EVENT ORGANIZED/ INNOVATIVE INITIATIVES:

- 1) Organized Geological wall Magazine on dates 10 Sept. 2018
- 2) Organized World water week on dated 04 Sept. 2018
- 3) Organized One Day Workshop on an "REMOTE SENSING and GIS" On dated 30 Jan. 2019

STUDENTS ACHIEVEMENT & PARTICIPATION:

- 1) IIT JAM Exam (Subject - Geology) Qualified Three (B.Sc III year) Students on dated 18th March, 2019. The student's name are Ashwini S. Raut, Rushabh A. Lanjewar and Rohit M. More.

2) ONGC Scholarship exam qualified three (B.Sc. III year) students on dated 2020. The student's names are Shivani Sudhir Rajurkar, Rutuja Anil Kharpe & Rushikesh Sanjay Jaisinpure.

3) In **Geological Wall Magazine Programme**, in that poster presentation and geological model competition has been taken. In that, we have given three prizes. Two prizes in Geological Poster prestation in which Ist prize - Neha Bansod (B.Sc-II) and IInd prize- Group of four candidates- Rohit M. More (B.Sc-III), Rajani P.Makar (B.Sc-III) Komal N. Kadu (B.Sc-III) Snehal A. Ikhar (B.Sc-III). One prize in Geological Model Presentation- Dnyaneshwari S.Fendar (B.Sc-I).

FACULTY ACHIEVEMENT & PARTICIPATION

Research Activities

Other

SECTION – IV : RESEARCH OUTPUT

		SCORE
A. Intake capacity		
B. No. of recognized supervisors		
C. No. of students submitted/awarded Ph.D. degree		
D. No. of registered students for Ph.D. degree		
E. No. of fellow students		
ACTUAL SCORE		Nil

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
Minor					
ACTUAL SCORE					Nil

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
ACTUAL SCORE										Nil

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
ACTUAL SCORE		Nil

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
ACTUAL SCORE			Nil

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
ACTUAL SCORE		Nil

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
ACTUAL SCORE		Nil

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
ACTUAL SCORE			Nil

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
ACTUAL SCORE		Nil

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		Nil

SECTION - V : EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
1	Field work at Ramtek & Kandri area of Nagpur district of Maharashtra	
ACTUAL SCORE		

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
ACTUAL SCORE				Nil

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
ACTUAL SCORE		

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
ACTUAL SCORE		Nil

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
ACTUAL SCORE		Nil

H. S. Lunge
Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.



H. S. Lunge
Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

Name of the Department	LANGUAGES
------------------------	-----------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	1969				
B. Name of Head of the Department	V.V.HEBBAR				
C. Faculty (Regular & Contributory) : 04					
Sanctioned	03	Filled	03	Vacant	NIL

S.N.	Name	Designation	Qualification	Service (Yrs)
1.	V.V.HEBBAR	ASSO.PROF	M.A (Eng) M.phil	19 yrs 8 m
2	Dr. R.V.ITEWAD	ASSO.PROF	M.A (MAR) M.Phil, Ph.D	18yrs 3 m
2.	P.V.BARABDE	ASST. PROF	M.A (Eng) SET	13yrs 2 m

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	-	-	-

E. Action Plan For Current Academic Year

S.N.	Activity	Date/Duration
1.	Bhagawad Geeta Test	August 19, 2019
2.	Akshar Parimal Release	September 5, 2019
3.	Gandhian Thought	October 2, 2019
4	Seminar on Group discussion	First week of October 2019
5	General English Aptitude Test	January 2020
6	Marathi Bhasha Din	February 27, 2020

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	NIL
------------------------------	-----

No. of faculty attended Refresher or Orientation Courses	NIL
No. of faculty Participated in short term courses, Capacity Building Workshops etc	01
No. of faculty members involved in curriculum restructuring/revision/syllabus development	01
Any attempts made towards enrichment of curriculum, if yes give details.	NIL

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class - S/2108	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I- VVH – ENG- CS+MEB	92	10	24	32	34	13
B.Sc. I PVB – ENG- M + BIO	93	11	38	22	29	14
B.Sc. I RVI - MAR- ALL GRPS	100	47	42	7	4	19
B.Sc.I NRA – HIN- ALL GRPS	97	16	30	38	24	14
B.Sc.I NRA – SPE- ALL GRPS	96	12	28	34	26	14
AVE. SCORE						15
Class - W/2018						
B.Sc. I- VVH – ENG- CS+MEB	88	14	26	28	32	13
B.Sc. I PVB – ENG- M + BIO	92.52	6	29	30	35	13
B.Sc. I RVI - MAR- ALL GRPS	99	21	65	11	3	19
B.Sc.I NRA – HIN- ALL GRPS	93	19	32	22	27	14
B.Sc.I NRA – SPE- ALL GRPS	87	17	29	24	30	13
AVE. SCORE						14
M.Sc. I	NA	NA	NA	NA	NA	NA
M.Sc. II	NA	NA	NA	NA	NA	NA
AVE. SCORE						NA

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II	BCA I	BCA II	BCA III
Intake	500	NA	NA	NA	NA	NA	NA	NA
Admitted	473	NA	NA	NA	NA	NA	NA	NA
Demand ratio								

3. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I
NA	NA

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I (ENG)	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score

JULY	56.88										
AUGUST	64.84										
SEPTEMBER	68.86										
OCTOBER	64.30										
JANUARY	58.96										
FEBRUARY	58.87										
MARCH	60.58										
ACTUAL SCORE											

Month	B.Sc. I (MAR)	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score
JULY	42.55										
AUGUST	54.96										
SEPTEMBER	60.81										
OCTOBER	64.31										
JANUARY	66.69										
FEBRUARY	68.92										
MARCH	70.35										
ACTUAL SCORE											

5. Measures taken to increase the attendance - Personal counseling to the students and given the personal attention to students who are irregular in class and also counseling the students through G.T.

6. E-content/reading materials developed for students

Name of the Teacher	
1.	V.V.HEBBAR - Textbooks and grammar books provided.
2.	R.V.Itewad - Textbooks and grammar books provided.
3.	P.V.Barabde - Textbooks and grammar books provided.
ACTUAL SCORE	

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher		Class
1.	P.V. Barabde	B.Sc I, II & III
2.		
ACTUAL SCORE		05

8. Any attempts made by department for value education, if yes give details.

Examinations on Bhagawad Gita, Gandhian Thought and Swami Vivekanand

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements. - NO

10. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats) - NO

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
ACTUAL SCORE		

11. Course covered (programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA- I	BCA-II	BCA-III	Total
Total no. of Units to be taught	32						
No. of Units completed	32						
No. of Units remained	00						
% of Practical completed	NA						
SCORE							10

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught	NA	NA	NA
No. of Units completed			
No. of Units remained			
% of Practical completed			
SCORE			

11. GIC at PG level/ Multidisciplinary approach - If Any , please specify

12. Innovative teaching practices - If Any , please specify

Mock interviews conducted

13. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)

1. Bhagawad Geeta Test - August 19, 2018
2. Akshar Parimal Release - September 5, 2018
3. Marathi Bhasha Din - February 27, 2019
4. Story telling Competition - 5 April 2019

SECTION - IV : RESEARCH OUTPUT

	SCORE
A. Intake capacity	
B. No. of recognized supervisors	
C. No. of students submitted/awarded Ph.D. degree	

D. No. of registered students for Ph.D. degree		
E. No. of fellow students		
ACTUAL SCORE		

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
ACTUAL SCORE					

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
P.V.BARABDE	2				5.7					
ACTUAL SCORE										40

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
ACTUAL SCORE		

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
ACTUAL SCORE			

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
ACTUAL SCORE		

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
ACTUAL SCORE		

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
ACTUAL SCORE			

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
ACTUAL SCORE		

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		

SECTION - V : EXTENSION ACTIVITIES**A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)**

Sr. No.	Activities	SCORE
ACTUAL SCORE		

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
ACTUAL SCORE				

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
V.V. Hebbar	Moderation, Valuation	92
Dr. R. V. Itewad	Member of BOS,Valuation	100
P.V. Barabde	Valuation	80
ACTUAL SCORE		27

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
ACTUAL SCORE		

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
1	Punam V. Barabde	Short term course
ACTUAL SCORE		06



mlunge
Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.



Principal
Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

SESSION : 2018- 2019

Name of the Department	MATHEMATICS
------------------------	-------------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	20-06-1958				
B. Name of Head of the Department	Umesh Manikrao Patil				
C. Faculty (Regular & Contributory) : Regular-2 Contributory-3					
Sanctioned	3	Filled	2	Vacant	1

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Shri. Umesh M. Patil	Associate Prof.	M.Sc.	28
2	Dr. Vinay M. Raut	Assistant Prof.	M.Sc., M.Ed., Ph.D.	26
3	Shri. Yogesh Dodke	C.H.B. Teacher	M.Sc.	01
4	Shri. Niranjan Nawale	C.H.B. Teacher	M.Sc., NET, SET	01
5	Ku. Manjusha Turak	C.H.B. Teacher	M.Sc., NET, SET	01

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	-	-	

F. Action Plan For Current Academic Year

S.N.	Activity	Date/Duration
1	Intercollegiate Seminar Competition	August 2018
2	Quiz Competition	January 2019
3	Workshop on Model Preparation	February 2019
4		
5		

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	Nil
------------------------------	-----

No. of faculty attended Refresher or Orientation Courses	Nil
--	-----

No. of faculty Participated in short term courses, Capacity Building Workshops etc	Nil
--	-----

No. of faculty members involved in curriculum restructuring/revision/syllabus development	Nil
---	-----

Any attempts made towards enrichment of curriculum, if yes give details.	Nil
--	-----

SECTION – III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of Summer 2018 and Winter 2018 Examination.

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Section	Sem	Year	Pass%	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc.I	M	II	Sum. 18	94.44	30.88	29.41	22.06	17.65	15.47
B.Sc.I	CS	II	Sum. 18	95.69	19.81	34.23	22.52	23.42	14.97
B.Sc.II	M	IV	Sum. 18	94.87	18.91	48.65	18.92	13.51	16.24
B.Sc.II	CS	IV	Sum. 18	93.16	31.19	26.61	25.69	16.51	15.10
B.Sc.III	M	VI	Sum. 18	94.42	36.06	32.79	19.67	11.48	16.33
B.Sc.III	CS	VI	Sum. 18	91.07	19.61	27.45	25.49	22.94	13.81
B.Sc.I	M	I	Win. 18	95.71	32.84	28.36	19.4	19.4	15.69
B.Sc.I	CS	I	Win. 18	91.15	15.53	24.27	26.21	33.98	13.10
B.Sc.II	M	III	Win. 18	84.28	10.16	37.29	28.81	23.73	13.17
B.Sc.II	CS	III	Win. 18	87.06	14.85	24.75	30.69	29.70	12.67
B.Sc.III	M	V	Win. 18	94.94	20	32	30.67	17.33	14.69
B.Sc.III	CS	V	Win. 18	94.26	20.86	40	21.74	17.39	15.51
							Average Score		14.73

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I (M)	B.Sc. I (CS)	B.Sc. II (M)	B.Sc. II (CS)	B.Sc. III (M)	B.Sc. III (CS)
Intake						
Admitted	70	114	70	117	79	112
Demand ratio						

3. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I
Nil	Nil

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I (M)	B.Sc. I (CS)	B.Sc. II (M)	B.Sc. II (CS)	B.Sc. III (M)	B.Sc. III (CS)	AVE Score
July	55.25	46.96	69	57.60	51.26	52.14	6
Aug.	58.62	56.62	49.30	58.05	51.42	51.26	6
Sept.	56.47	50.66	50.16	55.74	52.56	49.22	6
Oct.	54.80	46.00	47.17	40.50	46.87	47.07	6
Jan.	63.13	50.35	52.79	55.32	54.55	52.52	6
Feb.	55.63	50.05	55.74	56.33	52.70	45.88	6
Mar.	57.01	55.83	47.69	50.86	53.28	48.40	6
ACTUAL SCORE	6	6	6	6	6	6	

5. Measures taken to increase the attendance

6. E-content/reading materials developed for students

Name of the Teacher	
1.	
2.	
ACTUAL SCORE	00

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class
1.	
2.	
ACTUAL SCORE	00

8. Any attempts made by department for value education, if yes give details. No

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

10. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
ACTUAL SCORE		00

11. Course covered (programme wise)

A.

UG	B.Sc. I (M)	B.Sc. I (CS)	B.Sc. II (M)	B.Sc. II (CS)	B.Sc. III (M)	B.Sc. III (CS)	Total
Total no. of Units to be taught	20	20	20	20	20	20	120
No. of Units completed	20	20	20	20	20	20	120
No. of Units remained	0	0	0	0	0	0	0
% of Practical completed							
SCORE							12

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught			
No. of Units completed			
No. of Units remained			
% of Practical completed			
SCORE			

12. GIC at PG level/ Multidisciplinary approach - If Any , please specify Nil

13. Innovative teaching practices - If Any , please specify Nil

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)

SECTION - IV : RESEARCH OUTPUT

	SCORE
A. Intake capacity	
B. No. of recognized supervisors	
C. No. of students submitted/awarded Ph.D. degree	
D. No. of registered students for Ph.D. degree	
E. No. of fellow students	
ACTUAL SCORE	00

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
Nil					00
ACTUAL SCORE					00

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
Shri. U. M. Patil	01									10
ACTUAL SCORE										10

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
Nil		00
ACTUAL SCORE		00

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
Shri. U. M. Patil	N	02	04
Dr. V. M. Raut	N	02	04
ACTUAL SCORE			08

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
-		00
ACTUAL SCORE		00

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
-		00

ACTUAL SCORE	00
---------------------	----

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
			00
ACTUAL SCORE			00

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
-		00
ACTUAL SCORE		00

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
-		00
ACTUAL SCORE		00

SECTION - V : EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
		00
ACTUAL SCORE		00

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
	-			00
ACTUAL SCORE				00

D. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
Shri. U. M. Patil	University Exam. Paper Valuation	2.5
Dr. V. M. Raut	Uni. Exam. Paper Setting and Valuation	10
ACTUAL SCORE		12.5

F. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
1	U.M.Patil	02
ACTUAL SCORE		

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
ACTUAL SCORE		00

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

Name of the Department	MICROBIOLOGY
------------------------	--------------

SECTION - I: GENERAL INFORMATION

A. Date and Year of Establishment :	1982
B. Name of Head of the Department	Dr. Mrs. C. S. Ukesh

C. Faculty (Regular & Contributory) :

Sanctioned	03	Filled	01 (CHB 06)	Vacant	02
------------	----	--------	-----------------	--------	----

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Dr. Mrs C. S. Ukesh	Associate Prof.	M.Sc. PhD	32
2	Dr, Rasika Jane	CHB	M.Sc, PhD	02
3	Ms. Suwarna S Mankar		M.Sc(ICAR)NET	02
4	Dr. Nikhil k. Agrawal	CHB	M.Sc. PhD	01
5	Dr. Ashruta Gavali	CHB	M.SC.	02
6	Dr. Sampada Dongre	CHB	M.Sc. PhD	01
7	Dr Vikram Pundkar	CHB	M.Sc. PhD	01

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	N	N	N

E. Proposed Plan For next Academic Year (2019-20)

Sr. No.	Activity	Day	Date
1	Essay Competition	Tuesday	30.07.2019
2	Guest Lecture	Wednesday	31.07.2019
3	Visit to Water Treatment plant B.Sc. III Students	Saturday	10.08.2019
4	Visit to sewage treatment plant of B.Sc. III students	Saturday	7.09.2019
5	Visit to CIC Shivaji Science College Amravati (B.Sc. II Students)	Monday	09.09.2019

6	Interaction with school students	Thursday	03.10.2019
7	Blood grouping and Hb testing by B.Sc. II students(CLT)	Sunday	1.12.2019
8	Blood sugar testing camp	Sunday	8.12.2019
9	Microbiology Society student unit inauguration and Hands on tissue culture tech. prog.	Friday & Saturday	10.01.2020 & 11.01.20
10	Visit of B.Sc. II students to Pathology laboratory	Monday & Tuesday	17.02.2020 & 18.02.2020
11	Visit to Institute one day	Mon-Sat	Last week of Feb. 2019

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	-
------------------------------	---

No. of faculty attended Refresher or Orientation Courses	-
--	---

No. of faculty Participated in short term courses, Capacity Building Workshops etc	-
--	---

No. of faculty members involved in curriculum restructuring/revision/syllabus development	
---	--

Any attempts made towards enrichment of curriculum, if yes give details.	-
--	---

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year S- 18

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I sem II S/18	82.05	39.39	39.39	12.12	9.09	16.08
B.Sc. II sem IV S/18	97.87	28.26	47.82	10	10.86	17.39
B.Sc. III sem VI S/18	86.00	39.05	25.58	11.65	23.72	15.06
AVE. SCORE						16.17
BCA I	-	-	-	-	-	-
BCA II	-	-	-	-	-	-
BCA III	-	-	-	-	-	-
AVE. SCORE						
M.Sc. I	-	-	-	-	-	-
M.Sc. II	-	-	-	-	-	-
AVE. SCORE						

2. Result Analysis of last Academic Year - W -18

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I sem I W/18	95.91	48.93	21.27	29.78	4.2	16.61
B.Sc. II sem III W/18	87.80	38.88	41.66	16.66	13.88	16.83
B.Sc. III sem V W/18	97.77	47.72	45.45	6.81	00	19.09
AVE. SCORE						17.51
BCA I	-	-	-	-	-	-
BCA II	-	-	-	-	-	-
BCA III	-	-	-	-	-	-
AVE. SCORE						
M.Sc. I	-	-	-	-	-	-
M.Sc. II	-	-	-	-	-	-
AVE. SCORE						-

3. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II	BCA I	BCA II	BCA III
Intake	50	50	50					
Admitted	49	44	45					
Demand ratio								

4. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I
-	-

5. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score
July	56	61.36	67.86	61.7	-	-		-	-	-	
August	63.3	67.30	63.59	64.0							
September	63.4	64.53	68.8	65.0							
October	76.3	67.70	78.00	74.0							
January	88.24	57.27	70.24	71.00							
February	91.04	59.80	64.7	71.0							
march	93.09	86.50	89.28	89.0							
Total				70.8	-	-		-	-	-	
ACTUAL SCORE				7.08							

6. Measures taken to increase the attendance

Name of the Teacher
1. Dr. C. S. Ukesh - Contact to parent
2. Ms. Suwarna S. Mankar - Contact to parent
3 Dr R. R. Jane- Contact to parents
ACTUAL SCORE

7. Econtent/reading material developed for students

Name of the Teacher

ACTUAL SCORE	

8. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved)
(for details keep file ready)

Name of the Teacher	Class
1. Dr C.S.Ukesh	Bsc I Micro
ACTUAL SCORE	Th 10 &20 (25 Hrs)

9. Any attempts made by department for value education ,if yes give details

10. Does the department provide special guidance and help to advanced learner?if yes give name of beneficiaries(from last year)along with achivments: Yes

Miss Ruchita Rajput Cracked IIT Jam Microbiology entrance exam.

11.Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
1 visit to Water Treatment Plant	5 Hrs	BSc III Microbiology
2 visit to pathology lab	5 Hrs for each group	Bsc II Microbiology
3. Achievement of the department : Miss Rakshita S Ukesh Awarded with best student award of the year 2018-19 by Microbiologists society , India	2018-19	Bsc III Microbiology
4. Aviskar : Ms Vaibhavi Dahale participated in Avishkar compition Topic Spirulina	28.Dec.2018	Bsc III Microbiology
ACTUAL SCORE		2.5+2.5+2.5=7.5

11. Course covered (programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA- I	BCA-II	BCA-III	Total
Total no. of Units to be taught	12	12	12				
No. of Units completed	12	12	12				
No. of Units remained	00	00	00				
% of Practical completed	90%	90%	90%				
SCORE							09

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught	-	-	-
No. of Units completed	-	-	-

No. of Units remained	-	-	-
% of Practical completed	-	-	-
SCORE			

7. GIC at PG level/ Multidisciplinary approach - If Any , please specify

13. Innovative teaching practices - If Any , please specify

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)

S.N.	Activity	Date/Duration
1	Essay Competition	30.07.2018
2	Guest Lecture for B.sc. I students on communication skill	31.07.2018
3	Visit to Water Treatment plant B.Sc. III Students	28.08.2018
4	Visit to CIC Shivaji Science College Amravati (B.Sc. II Students)	17.09.2018
5	Interaction with school students	29.10.2018
6	Blood grouping and Hb testing by B.Sc. II students (CLT)	7.10.2018
7	Blood sugar testing camp	14.10.2018
Score		7.0

SECTION - IV : RESEARCH OUTPUT

		SCORE
A. Intake capacity	10	-
B. No. of recognized supervisors	01	-
C. No. of students submitted/awarded Ph.D. degree	02	40
D. No. of registered students for Ph.D. degree	-	-
E. No. of fellow students	-	-
ACTUAL SCORE		4.0

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
-	-	-	-	-	-
ACTUAL SCORE					

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
Dr. C. S. Ukesh	01			39	5.87	-	5			5
ACTUAL SCORE										0.5

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
-		-
ACTUAL SCORE		-

I. Conf./workshop etc attended

Name of Teachers	Level	No. of	SCORE
------------------	-------	--------	-------

	I/N/S/R	events attended	
1 Dr.C. S.Ukesh	N	01	02
1. Dr. Rasika Jane	N	02	04
2. Ms. Suwarna Mankar	N	02	04
	ACTUAL SCORE		10

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
		-
	ACTUAL SCORE	
		-

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
		-
	ACTUAL SCORE	
		-

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
			-
	ACTUAL SCORE		
			-

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
		-
	ACTUAL SCORE	
		-

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
		-
	ACTUAL SCORE	
		-

SECTION - V : EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
1.	Visit to water treatment plant Tissue culture technique explained to X class school students	05
	Visit to pathology lab	
	ACTUAL SCORE	
		1

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
			-	

ACTUAL SCORE	-
---------------------	---

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
1. Ms. Suwarna Mankar	Valuation	5
2. Dr. Rasika R Jane	Valuation	5
3. Dr. Nikhil Agrwal	Valuation	5
ACTUAL SCORE		15

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
	Dr. C. S Ukesh (AMI , IWSA, NPPA, MSI)	12
ACTUAL SCORE		10

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
		-
		-
ACTUAL SCORE		-

C. S. Ukesh

HOD

H. S. Lunge
Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.

IQAC



S. S. Patil
Principal
Shri Shivaji Science College
AMRAVATI.

Principal

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

Name of the Department	PHYSICS
------------------------	----------------

SECTION – I : GENERAL INFORMATION

A. Date and Year of Establishment :	1958
B. Name of Head of the Department	V. B. BHATKAR
C. Faculty (Regular & Contributory) :	

Sanctioned	07	Filled	04 + 1(fixed pay)	Vacant	03
------------	----	--------	-------------------	--------	----

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Dr. V.B. Bhatkar	Asso. Prof.	M.Sc. , M.Phil. , Ph.D	36
2	Dr. W.S. Barde	Asso. Prof.	M.Sc. , Ph.D	28
3	Dr. P.A. Nagpure	Asst. Prof.	M.Sc. , Ph.D	14
4	Dr. A.W. Asole	Asst. Prof.	M.Sc. , B.Ed., Ph.D	14
5	Dr. V.D. Deshmukh	On Fixed Pay	M.Sc. , B.Ed., Ph.D	1

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	Y	Y	COC

E. Action Plan For Current Academic Year

Month	Date/ Duration	Activities
June, 2018	11-20	Summer Course in Experimental Physics for B.Sc II and III students from SGB Amravati University Region.
	14	Academic Session Begins
	25	Regular teaching classes Starts
July, 2018	2-7	Bridge Course (Theory and Practicals) for the students of semester III rd and Semester V th
	9	Project allocation for B.Sc. II and B.Sc. III students
	16-20	Bridge Course (Theory and Practicals) for the students of I st semester
	25	Allotment of projects to M.Sc. II students
August, 2018	1	Induction Programme and Aptitude Test for B.Sc. I students
September, 2018	5	Teachers' Day Celebration
	14	Physics Society Inauguration
	15	Induction Programme and PG Alumni Meet
	24-29	Link open for Online Submission of Assignment for B.Sc. I students
October, 2018	13	Submissions of Practical Records and Project assignment of B.Sc. III and B.Sc. II

	14	Submissions of Practical Records
	25	Submissions of Practical records and Project review reports of M.Sc. I & II
	26-03	Internal assessment examination of M.Sc.
November, 2018	3	Session Ends
	5 - 24	Winter Vacation
	26	Session Starts
	27 -30	Out Reach Activities
December, 2018	1-6	Value Education Programmes
	7-8	Assignments and Project allocation B.Sc. II and B.Sc. III students
	10-15	Bridge Course (Theory and Practicals) for even semesters
	15-19	Guest Lectures
	20-25	Industrial tour/ Excursion tour/Field visit
February, 2019	4-9	Link open for Online Submission of Assignment for B.Sc. I students
	28	Celebration of National Science Day and Organization of Intercollegiate Competition for UG students on Presentation and Demonstration of Physics Experiments.
March, 2019	25	Submissions of Practical Records and Project assignment of B.Sc. III students
	26	Submissions of Practical Records and Project assignment of B.Sc. II students
	27	Submissions of Practical Records B.Sc. I students
	29	Submissions of Practical records and Project review reports of M.Sc. I &II
	30-05	Internal assessment examination of M.Sc.
	31	Teaching Ends

SECTION – II : HUMAN RESOURCE

No. of faculty attended FIP.	Nil
No. of faculty attended Refresher or Orientation Courses	Nil
No. of faculty Participated in short term courses, Capacity Building Workshops etc	1
No. of faculty members involved in curriculum restructuring/revision/syllabus development	Nil
Any attempts made towards enrichment of curriculum, if yes give details.	

SECTION – III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year Winter - 2018

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (<i>in %</i>)	B (<i>in %</i>)	C (<i>in %</i>)	D (<i>in %</i>)	Score
B.Sc. I	82	32	25	23	3	
B.Sc. II	75	22	39	14	0	
B.Sc. III	65	20	32	13	0	
AVE. SCORE						
M.Sc. I	52.63	30	40	30		
M.Sc. II	52.38	37	55	9		
AVE. SCORE						

Summer - 2018

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I	89	29	29	23	7	
B.Sc. II	63	18	32	18	4	
B.Sc. III	73	22	37	10	4	
AVE. SCORE						
M.Sc. I	52.63	20	70	10		
M.Sc. II	46.66	57	43	0		
AVE. SCORE						

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II
Intake				15	15
Admitted	143	166	167	19	21
Demand ratio				1:10	

3. Number of students enrolled from the region other than home university region:
P.G/ Ph.D.

Ph.D.	M.Sc.
Nil	02

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score
July	66	59	64		61	83	
August	66	62	63		79	84	
September	67	61	64		80	85	
October	66	60	63		80	86	
November							
December							
January	66	59	63		82	86	
February	66	59	63		82	88	
March	66	59	62		83	88	
ACTUAL SCORE							

5. Measures taken to increase the attendance

Personal counseling, Counseling through Guardian Teacher.

6. E-content/reading materials developed for students

Name of the Teacher
Dr. V.B. Bhatkar
Dr. W.S. Barde
Dr. P.A. Nagpure
ACTUAL SCORE

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) *(for details keep file ready)*

Name of the Teacher	Class	no. of beneficiaries
Dr. V.B. Bhatkar	B. Sc. II	90
Dr. W.S. Barde	B. Sc. III	56
Dr. P.A. Nagpure	B.Sc. I	102
Dr. A.W. Asole	B.Sc. III	58
ACTUAL SCORE		

8. Any attempts made by department for value education, if yes give details.

The personal and social values are inculcated amongst students through continuous dialogues and consultations. It is proposed to conduct 5day's workshop on value education in both semesters.

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

S/N	Name of Student	Programme	Achievements
1	KALE KHUSHALI ANIL	B.Sc. I	Selected for NIUS 19 Camp at HBCSE-TIFR Mumbai
2	PUSADKAR KOMAL SUNIL	B.Sc. I	
3	SHENDE CHAVAN MOHAN	B.Sc. I	
4	MAKODE SHARYU RAVINDRA	B.Sc. III	Participated in MIMAMSA 19 at IISER, Pune
5	CHAWARE SIDDHALI PARAG	B.Sc. III	
6	ATKARE SAYALI	B.Sc. III	
7	DONDALKAR SANJANA	B.Sc. II	
8	CHAWARE SIDDHALI PARAG	B.Sc. III	Bagged Prize in State level Competition at Wardha
9	SANKET KORDE	M.Sc. I	Selected For second Stage of National Level Competition for Science Students Organized by IIT Kharagpur
10	SHARMEEN SAYYAD	M.Sc. I	
11	GOURI WANKHADE	M.Sc. I	
12	PRADHNYA PAWAR	M.Sc. I	
13	PRAGATI KADU	B. Sc. III	10 th Merit in SGBAU
14	RITHE MOHINI PRAVINRAO	B.Sc.I	Successfully completed NIUS 18

10. Co-curricular activities organized for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title , objectives, duration/date/ no. of participants/brief report/ s

Name of activity	Date/Duration	No. of beneficiaries
Silver Jubilee Year of the PG department of Physics	29 th September, 2018	80
Summer Course in Experimental Physics	11 th to 20 th June, 2018	22
Physics Society Inauguration and Guest Lecture	12 th September, 2018	38
Two Days Workshop On Nanomaterial Synthesis	17- 18 February, 2019	45
National Science Day	28 Feb 2019	40
Educational Tour	26-28 January, 2019	30
ACTUAL SCORE		

11. Course covered (programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA- I	BCA-II	BCA-III	Total
Total no. of Units to be taught	6	6	6				18
No. of Units completed	6	6	6				18
No. of Units remained	--	--	--				--
% of Practical completed	100	100	100				100
SCORE							

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught	20	20	40
No. of Units completed	20	20	40
No. of Units remained	--	--	--
% of Practical completed	100	100	100
SCORE			

12. GIC at PG level/ Multidisciplinary approach – If Any , please specify



Proposed: GIC in MAPPLE at PG level

13. Innovative teaching practices - If Any , please specify



Focus on Activity based learning. ICT based TLE process

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)

EVENT ORGANIZED/ INNOVATIVE INITIATIVES

1) Inaugural function of Silver Jubilee Year of the PG department of Physics:



This year, the P.G. department of Physics completed 25 years from its inception. The department decided to celebrate 2018-19 as silver jubilee year of the PG department. The grand inaugural function of silver jubilee year was held on 29th September, 2018. All the ex-principals, ex-teaching and nonteaching staff were invited for the function. The alumni from very first batch to very recent batch were also present for

the function.

2) Summer Course in Experimental Physics:

An enriched short term course on Physics Experiments for Undergraduate students was organized by Department of Physics during 11th to 20th June, 2018.

A session on analysis of theoretical concepts in Physics using Maple Simulation Software was also arranged during the course. Dr. Sham Anwane, Head, Department of Physics, Shri Shivaji Science College, Nagpur was the resource person for the session.



3) Physics Society Inauguration and Guest Lecture:

Physics Society was inaugurated on 12th September, 2018 at the hands of Shri Dhirajbhai Patel, owner of Patel Electronics, Amravati. He delivered talk on Physics and Entrepreneurship on this occasion.



4)Two Days Workshop On Nanomaterial Synthesis:

The workshop on nano-materials synthesis was organized by the department in collaboration with IIT, Kharagpur, during 17th and 18th February, 2019. In all 42 students from various colleges were participated in the workshop. Dr. T. Theivasnthy, Kalasalingam University (TN) was the resource person for the workshop.



5)National Science Day:

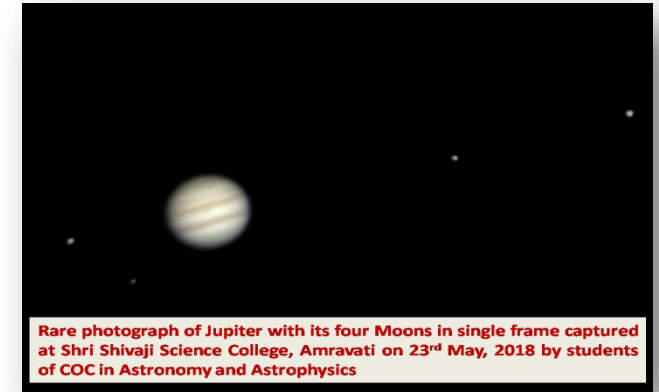
The department celebrated NSD on 28th February, 2019. At this juncture, the quiz competition was organized for PG students.

6)Educational Tour:

The educational tour for PG students was organized during 26th to 28th January, 2019. The students and faculty members were visited to various educational and research institutes at Indore (MP) during this tour.

7) Akash Darshan:

An event on sky watching and astrophotography for students/public was organized by C.O.C. on Astronomy & Astrophysics group on 23rd May, 2018.



8) Zero Shadow Day Event:



The event of demonstration of zero shadow was organized on 25th May, 2018 in the college premises. The experts were explained the reasons of zero shadow on specific date at specific location to the school students and public.

9) Fare-well Function:

Department organized fare well function of Dr. S. H. Deshmukh. He retired on 30th June, 2018.

10) Science Popularization Program:

Ms. Gouri Wankhade, Ms. Eshwari Thakare and Mr. Sanket Korde, the students of M.Sc. I were engaged in the various activities of science popularization organized by Marathi Vigyan Parishad in different schools.

STUDENTS ACHIEVEMENT & PARTICIPATION



1) Miss Siddhali Chaware, B.Sc.III, secured first position in the state level seminar competition held at J.B. Science College, Wardha (19/03/2019)

2) Miss Mohini Rithe, B.Sc. I, participated in NIUS-Physics exposure camp held at HBCSE, TIFR, Mumbai.

3) The students of M.Sc. I, Ms. Sharmeen Sayyad, Ms. Gouri Wankhade, Ms. Pradhnya Pawar and Mr. Sanket Korde were selected for 2nd stage of National Level Competition for Science Students to be held at IIT, Kharagpur.



4) Ms. Sayali Atkare, Ms. Sharayu Makode, Ms. Sanjana Dondalkar and Ms. Siddhali Chaware, B.Sc.III participated in Mimansa-2019 (National Level Annual Quiz Competition) held at IISER, Pune.

5) SGB Amravati University awarded Ph.D. to Mr. Santosh Uke, he pursued his Ph.D. under the guidance of Dr. V. P. Akhare.



6) SGB Amravati University awarded Ph.D. to Ms. Vaishali Deshmukh, she pursued her Ph.D. under the guidance of Dr. D. K. Burghate.



FACULTY ACHIEVEMENT & PARTICIPATION

Research Activities

- 1) Dr. P.A. Nagpure participated in the International Conference organized at VNIT, Nagpur on 18-19, January 2019 and presented a research paper.
- 2) SGBA University recognized Dr. A.W. Asole as the Ph.D supervisor. He is already recognized research supervisor of RTM Nagpur University and Gondwana University.

Other

- 1) Dr. P.A. Nagpure delivered a popular talk “*Secrets of the Earth*” at NSS camp Naya Akola on 03rd January, 2019.
- 2) Dr. P.A. Nagpure participated in Pedagogy workshop for UG and PG science and mathematics teachers. (26-28, June 2018)

SECTION – IV : RESEARCH OUTPUT

		SCORE
A.Intake capacity	12	
B. No. of recognized supervisors	04	
C. No. of students submitted/awarded Ph.D. degree	02	
D. No. of registered students for Ph.D. degree	01	
E. No. of fellow students	00	
ACTUAL SCORE		

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
Minor	Dr. WS Barde	UGC	ongoing	2.62	
ACTUAL SCORE					

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
Dr.VB Bhatkar	07			198	3.779	Google Scholar/ SCOPUS/ WEB of Science	6			
ACTUAL SCORE										

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
Dr. VB Bhatkar	02	
ACTUAL SCORE		

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
Dr. WS Barde	N	02	
Dr. PA Nagpure	I+N	01+01	
ACTUAL SCORE			

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
ACTUAL SCORE		

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
ACTUAL SCORE		

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
ACTUAL SCORE			

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
Dr. VB Bhatkar	PGTD Physics SGBAU,	
Dr WS. Barde		
Dr PA Nagpure	PGTD Physics SGBAU, HBCSE,	
Dr. AW Asole	NCSA, SATPUDA FOUNDATION	
ACTUAL SCORE		

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		

SECTION – V : EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
1	Ms. Gouri Wankhade, Ms. Eshwari Thakare and Mr. Sanket Korde, the students of M.Sc. I were engaged in the various activities of science popularization organized by Marathi Vigyan Parishad in different schools.	
ACTUAL SCORE		

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc)
(keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
ACTUAL SCORE				

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
Dr. VB Bhatkar	Paper setting/moderation/valuation	
Dr WS. Barde	Paper setting/moderation/valuation	
Dr PA Nagpure	Paper setting/moderation/valuation	
Dr. AW Asole	valuation	
ACTUAL SCORE		

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
	Mentioned in individual Teacher's formats	
ACTUAL SCORE		

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
1	PA NAGPURE	STP
	ACTUAL SCORE	



Head
Department of Physics



Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.

IQAC Co-ordinator




Principal
Shri Shivaji Science College
AMRAVATI.

Principal

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

2018-19

Name of the Department	STATISTICS
------------------------	------------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	1988				
B. Name of Head of the Department	Dr. S.V. Choudhari				
C. Faculty (Regular & Contributory) :					
Sanctioned	04	Filled	04	Vacant	NIL

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Dr. S.V. Choudhari	Asso.Professor	M.Sc. Ph.D	33
2	Sh. N.S. Makeswar	Asso.Professor	M.Sc.	29
3	Dr. H.S. Lunge	Asso.Professor	M.Sc. M.Phil Ph.D	31
4	Dr. U.V. Kale	Asso.Professor	M.Sc. Ph.D	27

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	N	Y	B. VOC Degree course will start from the coming session

E. Proposed Action Plan For Next Academic Year 2019-20

S.N.	Activity	Date/Duration
1	National Statistics Day Celebration	29 June 2019
2	Poster Presentation	July 2019
3	Quiz Competition	August 2019
4	Seminar Competition	Sept. 2019
5	Guest Lecture	Sept. 2019 & Feb. 2020
6	Work Shop	Feb. 2020

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	N.A.
------------------------------	------

No. of faculty attended Refresher or Orientation Courses	N.A.
--	------

No. of faculty Participated in short term courses, Capacity Building Workshops etc	
--	--

No. of faculty members involved in curriculum restructuring/revision/syllabus development	
---	--

Any attempts made towards enrichment of curriculum, if yes give details.	
--	--

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class (S-2018)	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I (Sem II)	66(95.65)	34 (51.52)	23(34.85)	9(13.63)	0	18.02
B.Sc. II (Sem IV)	69(95.83)	49(71.10)	19(27.54)	1(1.45)	0	19.45
B.Sc. III (Sem VI)	58(89.23)	27(46.55)	27(46.55)	4(6.90)	0	18.23
(W-2018)	AVE. SCORE					18.57
B.Sc. I (Sem I)	64(92.75)	14(21.88)	42(65.63)	7(10.93)	1(1.56)	18.03
B.Sc. II (Sem III)	58(84.05)	20(34.48)	33(56.89)	5(8.62)	0	17.54
B.Sc. III (Sem V)	73(96.05)	45(61.66)	24(32.87)	4(5.47)	0	19.06
	AVE. SCORE					18.21
	AVE. SCORE					18.40

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II	BCA I	BCA II	BCA III
Intake	72	72	72					
Admitted	70	69	76					
Demand ratio								

3. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score
July-Oct	75.75	82.04	83.25	80.34							
Jan-March	71.45	77.45	62.88	70.59							
ACTUAL SCORE				75.46=10							

5. Measures taken to increase the attendance : 1) Student has to give leave application, 2) Personal counseling is done, 3) Class test has been taken 4) Through G.T. Scheme 5) Regular Class Attendance

6. E-content/reading materials developed for students

Name of the Teacher:	
1.	
2.	
ACTUAL SCORE	

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class
1.	
2.	
ACTUAL SCORE	

8. Any attempts made by department for value education, if yes give details.

- Lesson of value education are given to the students.

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

- Department has provided special guidance to the advanced learners under student access centre resources.
- Mr. Saurav Jadhao, B.Sc. I cleared NPTEL examination Data Science for Engineers with 92% appear in top 2% list.
- Mr. Suyog V. Raut B.Sc. III has been selected in Air Force.

10. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

- Guest Lectures of Subhash Samdekar & Tushar Ranade were organized for students on dt. 19/09/18 & 08/02/19 respectively.

Title, objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
<i>Guest Lecture</i>	<i>19/09/18</i>	<i>70 Students of B.Sc. II & III</i>
<i>Guest Lecture</i>	<i>08/02/19</i>	<i>55 Students of B.Sc. III and 50 Students of B.Sc. I</i>
ACTUAL SCORE		3 hrs./10 = 0.3

11. Course covered (programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA-I	BCA-II	BCA-III	Total
Total no. of Units to be taught	06+06=12	06+06=12	06+06=12				36
No. of Units completed	12	12	12				36
No. of Units remained	NIL	NIL	NIL				Nil
% of Practical completed	100%	100 %	100%				100%
SCORE							10

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught	N.A.	N.A.	N.A
No. of Units completed			
No. of Units remained			
% of Practical completed			
SCORE			

11. GIC at PG level/ Multidisciplinary approach – If Any , please specify

13. Innovative teaching practices - If Any , please specify

- Use of ICT
- Group Discussion
- Seminar within Class

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)2018-19

- 10 Activities were proposed and two were executed i.e. 20%
- Guest Lecture on dated 19.09.2018 by Subhash Samdekar
- Guest Lecture on dated 08.02.2018 by Tushar Ranade

SECTION – IV : RESEARCH OUTPUT

		SCORE
A. Intake capacity	05	
B. No. of recognized supervisors	01	
C. No. of students submitted/awarded Ph.D. degree		
D. No. of registered students for Ph.D. degree	2+1	
E. No. of fellow students	NIL	
F.		
ACTUAL SCORE		

G. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
ACTUAL SCORE					

H. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
ACTUAL SCORE										

I. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
ACTUAL SCORE		

J. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
Dr. H.s. Lunge	R	4	
ACTUAL SCORE			08

K. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
ACTUAL SCORE		

L. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
Dr. H.S. Lunge	5	10
Dr. U.V. Kale	2	4
ACTUAL SCORE		14

M. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
ACTUAL SCORE			

N. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
ACTUAL SCORE		

O. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		

SECTION - V : EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
ACTUAL SCORE		

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
ACTUAL SCORE				

C. Contribution to university work (keep record)


Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
Dr. S.V. Choudhari	Paper Valuation, Paper setting	
Sh. N.S. Makeswar	Moderation, Valuation, Paper setting,	
Dr. H.S. Lunge	Valuation, Paper setting	
Dr. U.V. Kale	Moderation, Valuation, Paper setting, LEC	
ACTUAL SCORE		

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
ACTUAL SCORE		

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
ACTUAL SCORE		


Head


Dr. H. S. LUNGE
IOAC Coordinator
Shri Shivaji Science College
Amravati.




Principal
Shri Shivaji Science College
AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit 2018-19

Name of the Department	ZOOLOGY
------------------------	---------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	UG-1958 ,PG-1992				
B. Name of Head of the Department	Dr.Neha V.Bhatkar				
C. Faculty (Regular & Contributory) :					
Sanctioned	11	Filled	05	Vacant	06

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Dr.N.V.Bhatkar	Asso.Professor	M.Sc.,M.Phil.,Ph.D.	31
2	Prof.J.A.Makeshwar	Assist.Professor	M.Sc.B.Ed.	12+22=34
3	Dr.J.D.Dhote	Asso.Professor	M.Sc.Ph.D.,M.A.,M.Ed.	15
4	Dr.G.A.Wagh	Asso.Professor	M.Sc.Ph.D.	15
5	Dr.S.D.Wagh	Asso.Professor	M.Sc.Ph.D.	15
6	Dr.G.S.Tekade	Assist.Professor	M.Sc.B.Ed.Ph.D.	24+7=31

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	Y	Y	COC

E. Proposed Action Plan For next Academic Year19-20

S.N.	Activity	Date/Duration
1	World Environment Day	5 th June
2	Participation in Tree Plantation Program	July
3	World Tiger day Celebration	29 July
4	Zoological Excursion & Field visit B.Sc. I, B.Sc.II & B.Sc.III	Aug
5	'Nikon School' Workshop 2	Aug
6	Formation of Zoological Club for UG & Zoological Society For PG 2019-20	Sept
7	Clay Ganesh Idol Awareness program	Sept
8	Guest Lecture	Sept
9	Wildlife Week celebration & Photography Exhibition	Oct
10	Inter Collegiate Seminar Competition	Oct
11	Nature camp cum Wildlife Workshop in Melghat	Nov
12	Zoological Excursion for PG	Nov
13	World AIDS Day Program	Dec

14	Workshop for Researchers/students	Dec
15	Zoological Long Excursion for UG&PG	Dec
16	Zoology QUIZ UG & PG students	Jan
17	Bird Watching program & Bird Fest	Jan
18	Wetland Day& GBBC program	Feb
19	Guest Lectures	Feb
20	Health Awareness program for Girls	Feb
21	World Sparrow day & Forest Day Program	March
22	Farewell programme of M.Sc.II & Zoology Alumni Meet	April
23	To attend Professional Development programs (Training/Courses/Scientific workshops etc.)	April

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	00
------------------------------	-----------

No. of faculty attended Refresher or Orientation Courses	00
--	-----------

No. of faculty Participated in short term courses, Capacity Building Workshops etc	01
--	-----------

No. of faculty members involved in curriculum restructuring/revision/syllabus development	00
---	-----------

Any attempts made towards enrichment of curriculum, if yes give details.- -Participation in Syllabus restructuring meeting	00
--	-----------

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year S/2018 (SEM II,IV & VI)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I (Bio)	97	2.24	28	58	12	12.7
B.Sc. I (MEB)	89	6.25	24	52	18	11.8
B.Sc. II(BIO)	80	09	31	41	19	12
B.Sc. II(MEB)	92	15	38	21	26	14.5
B.Sc. III(BIO)	89	32	60.7	6.3	00	18.26
B.Sc. III(MEB)	83	50	48.07	1.92	00	18.10
AVE. SCORE						14.56
M.Sc. I	57.89	54.54	45.45	00	00	15.78
M.Sc. II	53	22.22	77.77	00	00	15.29
AVE. SCORE						15.53

2.Result Analysis of last Academic Year W/2018(SEM I,III & V)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I (Bio)	65	8.33	47	43	02	16.5
B.Sc. I (MEB)	84	13	38	44	05	18.4
B.Sc. II(BIO)	69	14	29	15	42	11.2
B.Sc. II(MEB)	67	11	31	29	29	10.9
B.Sc. III(BIO)	84	34	45	21	00	16.37
B.Sc. III(MEB)	92	36	46	18	00	17.46
AVE. SCORE						15.13
M.Sc. I	31.57	00	83.73	16.66	00	11.53
M.Sc. II	58	63.63	36.36	00	00	15.78
AVE. SCORE						13.6

1. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II	BCA I	BCA II	BCA III
Intake	140	140	140	15	15			
Admitted	171	156	157	19	19			
Demand ratio				1:6				

2. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I
00	02
Course work =01	

3. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score
July	62	65	64.42	8	51	68.42	8				
Aug	68	70	64	8	80	73	10				
Sept	71	75	65.21	8	79	76	10				
Oct	70	75	72.25	8	---	----	----				
Jan	71	80	63.60	8	50	70	8				
Feb	71	79	55	8	62	66	8				
March	68	60	59.17	8	67	82	10				
ACTUAL SCORE	8	8	8	8			9				

4. Measures taken to increase the attendance –

- Regular Monitoring
- Personal talk with students& Parents
- Through GT

5. E-content/reading materials developed for students

Name of the Teacher		Score
Dr.N.V.Bhatkar	07	14
Dr.J.D.Dhote	05	10
Dr.G.A.Wagh	06	12
ACTUAL SCORE		34

6. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class
Dr.N.V.Bhatkar	For B.Sc.III-Microsoft office Excel work
Dr.J.D.Dhote	(In process)
Dr.G.A.Wagh	For M.Sc.I-Research methodology(Biostatistics)
	(In process)
ACTUAL SCORE	
00	

7. Any attempts made by department for value education, if yes give details.
NIL

8. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

Class	Work done	Beneficiaries/Achievement
B.Sc.III	Guidance for entrance examinations, IIT -JAM	10 students
	Guidance for Intercollegiate Quiz competition	02
	Guidance for Intercollegiate Seminar competition	02
	Guidance	Ku. Amita A. Jawanjali University 4 th Merit in Summer 2018
M.Sc.II	Guidance for competitions, entrance examinations, projects and Opportunities.	Mr.Nikhil Borode NET Exam qualified
	Guidance	Ku. Neha N. Khandelwal University 3 rd Merit in Summer 2018

9. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
Tiger Day celebration	30 July	70

Wildlife Week celebration	1 st week of Oct	200
Seminars on "Big cats under threats"	10 Oct 2019	200
Workshop on "Wildlife Photography"	24 Feb 2019	40
Guest Lecture on "Ecotourism"	21 -10-2018	30
Guest Lecture on "Avian Fauna"	25 -01-2019	30
Zoology Quiz on UG & PG Syllabus	23 March 2019	35
ACTUAL SCORE		

11. Course covered (programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA- I	BCA-II	BCA-III	Total
Total no. of Units to be taught	12	12	12				36
No. of Units completed	12	12	12				36
No. of Units remained	00	00	00				00
% of Practical completed	90	90	90				90
SCORE							

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught	20+20	20+20	80
No. of Units completed	20+20	20+20	80
No. of Units remained	00	00	00
% of Practical completed	90	90	90
SCORE			

10. GIC at PG level/ Multidisciplinary approach - If Any , please specify - NIL

13. Innovative teaching practices - If Any , please specify -

- Molecular Laboratory Visit
- Field Based Demonstration (Apiculture)
- Field Based Demonstration (Photography & Avian fauna study)
- Zoology Quiz

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s):

Action Plan executed 2018-19=(92.30%)

S.N.	Activity	Date/Duration
1	World Environment Day	5 th June
2	National Tree Day	July
3	Tiger day Celebration	29 July
4	Inauguration Of Zoology Club& P.G. Society	Oct
5	Silver Jubilee celebration	Oct

6	Zoology PG students alumni meet	Oct
7	Wildlife Week Celebration	First week Oct
8	Guest Lectures & Zoology Excursion	Jan
9	Bird watching	6 Jan
10	Photography Workshop	Feb
11	GBBC Program & Wetland Day	2 Feb
12	World Sparrow Day	20 March
13	Farewell programme of M.Sc.II & career counselling	5 April

SECTION - IV : RESEARCH OUTPUT

		SCORE
A. Intake capacity	20	
B. No. of recognized supervisors	03	
C. No. of students submitted/awarded Ph.D. degree	02	30
D. No. of registered students for Ph.D. degree	03	
E. No. of fellow students	----	
No. of students admitted for course work	05	
ACTUAL SCORE		30

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
ACTUAL SCORE					00

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNI P	SJR	SCORE
	Int.	Nat.	Total							
Dr.N.V.Bhatkar							05			
Dr.J.D.Dhote	01		01		6.261	Google Scholar, ResearchGate	03			25
Dr.G.A.Wagh	02		02		1.8	Index in Cosmos, Google Scholar, ResearchGate,	02			50
Dr.G.S.Tekade	01		01		6.261	Google Scholar, ResearchGate				25
ACTUAL SCORE										100

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
Dr.G.A.Wagh	01	02
ACTUAL SCORE		02

I. Conf./workshop etc attended

Name of Teachers	Level	No. of	SCORE
------------------	-------	--------	-------

	I/N/S/R	events attended	
Dr.N.V.Bhatkar	N	01	02
Dr.J.D.Dhote	N/W	01/04	10
Dr.G.A.Wagh	N/S	04	08
Dr.G.S.Tekade	N	01	02
	ACTUAL SCORE		22

J. Books written/edited

Name of Teachers	Book Written/Edited	No. of Books/Chapters	SCORE
Dr.N.V.Bhatkar	Edited-Practical Zoology B.Sc.I,Sem-I ISBN:978-81-905776-105-3	01	05
Dr.G.A.Wagh	Written-Practical Zoology B.Sc.I,Sem-I ISBN:978-81-905776-105-3	01	05
	ACTUAL SCORE		10

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
Dr.N.V.Bhatkar	01/02	09
Dr.J.D.Dhote	01/01	07
Dr.G.A.Wagh	Recognition-03/01	08
	ACTUAL SCORE	24

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
Dr.G.A.Wagh	1.Wildlife Photography 2.Biodiversity Documentation (PBR)	1000/-	
	ACTUAL SCORE		20

M. Collaboration /MoU

Name of Teachers	Collaborating Agency	SCORE
Dr.G.A.Wagh	Collaboration with WECS	05
Dr.N.V.Bhatkar Dr.G.A.Wagh	MOU-02 (With WECS & Bee Keeping organization in Process)	
Dr.J.D.Dhote	MOU-01 (with Health Organization in Process)	

ACTUAL SCORE	05
---------------------	----

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		00

SECTION - V : Professional Development & EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
1	Field work	3
2	Study tour	3.6
3	Molecular Lab visit	0.5
4	Career counseling	6
ACTUAL SCORE		13.10

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
1	Dr.N.V.Bhatkar	Popular Talk Popular Talk	8-03-2019 11-04-2019	01
2	Dr.J.D.Dhote	Popular Talk		01
3	Dr.G.A.Wagh	Working with GO, Working with NGO, Photography Workshop, Popular Talk		04
ACTUAL SCORE				05

C. Contribution to university work (keep record)


Sr. No.	Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
1	Dr.N.V.Bhatkar	Paper setting, Valuation, External & Internal Examiner, Project work guidance,	20
2	Prof.J.A.Makeshwar	Paper setting, Valuation, External & Internal Examiner, Invigilation	20
3	Dr.J.D.Dhote	BOS-Member, Paper setting, Valuation, External & Internal Examiner, Project work guidance	20
4	Dr.G.A.Wagh	Paper setting, Valuation, External & Internal Examiner, Project work guidance, Invigilation	20
5	Dr.S.D.Wagh	Paper setting, Valuation, External & Internal Examiner, Project work guidance, Invigilation	20
6	Dr.G.S.Tekade	Paper setting, Valuation, External & Internal Examiner, Project work guidance, Invigilation	20
ACTUAL SCORE			20

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
1	Dr.N.V.Bhatkar	12
2	Prof.J.A.Makeshwar	02
3	Dr.J.D.Dhote	11
4	Dr.G.A.Wagh	11
5	Dr.S.D.Wagh	05
ACTUAL SCORE		41

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
ACTUAL SCORE		00


Dr. N. V. Bhatkar
Head & Associate Professor
Dept. of Zoology
Shri Shivaji Science College,
Amravati

Dr.Neha V.Bhatkar


Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.




Principal
Shri Shivaji Science College
AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

2019-20

IQAC

Report of Internal Academic Audit of 2019-20

The academic audit of all departments was conducted **online** between **22/09/2020** to **23/09/2020**, including library and sports departments.

Due to COVID-19 pandemic the online two formats, department fact sheet and teacher wise format, were collected.

After analyzing the department wise AA formats the following are the main observations:-

- Due to COVID 19 pandemic the instead of offline activities the online activities were organized by all departments
- All department teachers have developed their own e-content of the respective courses and delivered lecture online
- The committee appreciated the conduct of the various student's academic activities by the departments.
- The committee also observed the next year planning of the department and suggests conduct/organize some innovative programs.
- The B.VoC program in Forensic Science has been introduced by Chemistry department
- Total teachers 54 of which 03 Professors, 24 Associate Professors and 27 Assistant professors.
- The teachers have completed 01 minor projects, 01 major and 01 minor are ongoing.
- The faculty have published 37 papers in international journals and 11 in national journals and 26 in conference proceedings.

- In this year the teachers have attended 26 conferences / seminars and workshops.
- Teachers have presented 32 papers in conferences and seminars of national state level
- 31 teachers are supervisors are 59 Ph.D. students are presently working 03 have been awarded degree.
- 53 various extension activities organized by departments, NSS, NCC and Sports.
- In this year new 789 books of different subjects are added.
- 168 students have been benefited by Career Counselling scheme
- 27 students participated in Games and sports at University, regional and state, and National level.
- The AA interaction of all the department were conducted in free environment with the cooperation of all faculty members and nonteaching staff.

Suggestions:

1. The teachers should apply for projects and published papers in high impact journals.
2. Academic extension activities be organized in the in the collaboration of other institutes
3. Subject related curricular activities be organized in participation of maximum students.
4. AS there is pandemic situation, teachers should be touch with students to solve their academic difficulties through GT scheme.


Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.

Dr. H. S. Lunge

ACADEMIC AUDIT

2019 - 20

Contents (Department wise):

1. Botany and Bioinformatics
2. Chemistry
3. Computer science
4. Environmental science
5. Geology
6. Language
7. Mathematics
8. Microbiology
9. Physics
10. Statistics
11. Zoology

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit (2019-20)

Name of the Department	MICROBIOLOGY
------------------------	---------------------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	1982					
B. Name of Head of the Department	Dr. Mrs. C. S. Ukesh					
C. Faculty (Fix Pay & Contributory) :						
Sanctioned	3	Filled	1	Fix Pay-01 (CHB 02)	Vacant	2

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Dr. Mrs C. S. Ukesh	Associate Prof.	M.Sc. PhD	34
2	Dr. V.M.Pundkar	Fix pay	M.Sc. PhD	02
3	Dr.A.A. Gawali	C.H.B.	M.Sc. PhD	04
4	Ms. A.R.Fule	C.H.B.	M.sc.	01
5				
6				
7				

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	N	01	Enrichment Program - Online Certificate Course in Laboratory Techniques in Microbiology and Biotechnology

E. Proposed Plan For next Academic Year (2020-21)

Sr. No.	Activity	Day /Month	Date
1	Essay/ Quiz Competition	January	1st week
2	Guest Lecture	January	3rd week
3	Visit to Water Treatment plant B.Sc. III Students	January	4 th week
4	Visit to sewage treatment plant of B.Sc. III students	Febuary	2 nd week
5	Visit to CIC Shivaji Science College Amravati (B.Sc. II Students)	Febuary	3 rd week
6	Interaction with school students	March	1 st week

7	Blood grouping and Hb testing by B.Sc. II students(CLT)	March	3 rd week
8	Blood sugar testing camp	March	Any sunday
9	Microbiology Society student unit inauguration and Hands on tissue culture tech. prog.	March	Any sunday
10	Visit of B.Sc. II students to Pathology laboratory	April	Any Sunday
11	Workshop related to Health and hygiene	April	Any Sunday

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	-
------------------------------	---

No. of faculty attended Refresher or Orientation Courses	-
--	---

No. of faculty Participated in short term courses, Capacity Building Workshops etc	-
--	---

No. of faculty members involved in curriculum restructuring/revision/syllabus development	-
---	---

Any attempts made towards enrichment of curriculum, if yes give details.	-
--	---

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year S- 19

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I sem II S/19	90	28.86	53.44	17.78	11.06	17.23
B.Sc. II sem IV S/19	88.38	39	44.05	12.5	-	17.188
B.Sc. III sem VI S/19	100	50	55.8	8.5	-	20.58
AVE. SCORE						54.998

2. Result Analysis of last Academic Year - W -19

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I Sem. I W/19	94	6.6	52.25	40	12	15.28
B.Sc. II Sem. III W/19	89.5	41.25	38.33	20.41	-	16.908
B.Sc. III Sem. V W/19	97.5	58.68	38.68	5.2	-	19.486
AVE. SCORE						51.674

3. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II	BCA I	BCA II	BCA III
Intake	50	50	50	-	-	-	-	
Admitted	50	48	40	-	-	-	-	-
Demand ratio								

4. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I
-	-

5. Average Percentage of attendance of the students : (Class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score
July	68.5	54.5	64.88	62.62	-	-		-	-	-	
August	84.26	62.36	68.21	71.61							
September	86.23	48.67	66.79	67.23							
October	74.5	75.5	72.00	71.83							
January	63.33	48.5	66	59.97							
February	73.79	72.25	74.25	73.43							
March	43.46	98.48	75.55	72.49							
Total	493.97	460.26	479.18	477.80	-	-		-	-	-	
ACTUAL SCORE	477.80										

6. Measures taken to increase the attendance

Name of the Teacher
1. Dr. C. S. Ukesh - Contact to parent
5

7. Econtent/reading material developed for students

Name of the Teacher	
1. Dr. C.S. Ukesh	PPT Presentation and video and Pdf
2. Dr. A.A.Gawali	PPT Presentation and video and Pdf
ACTUAL SCORE	

8. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class
1. Dr. C.S.Ukesh	B.sc. II- Microbiology
	Th 30 (30 Hrs)
ACTUAL SCORE	Score= 3

9. Any attempts made by department for value education ,if yes give details

10. Does the department provide special guidance and help to advanced learner?if yes give name of beneficiaries(from last year)along with achivments: No

11.Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
1. visit to Water Treatment Plant and 2. Sewage Treatment Plant	5 Hrs 5 Hrs	B.Sc.- III Microbiology
3.Visit to pathology lab	5 Hrs for each group	B. Sc II Microbiology (CLTand DCLT)
4.. Avishkar 2019-2020 : i) Ms.. Ahmed Tanzeela and ii) Ms. Syed Sabbat Firdous Baggeed II Prize on the topic in Avishkar competition Topic - Safety First ,Wash Hands and Avoid Common Diseases	07-Jan-2020	B.Sc. I Microbiology
ACTUAL SCORE		2.5+2.5+2.5+ 2.5 = 10

11. Course covered (programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA- I	BCA-II	BCA-III	Total
Total no. of Units to be taught	12	12	12				
No. of Units completed	12	12	12				
No. of Units remained	00	00	00				
% of Practical completed	100%	100%	100%				
SCORE							10

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught	-	-	-
No. of Units completed	-	-	-
No. of Units remained	-	-	-
% of Practical completed	-	-	-
SCORE			

7. GIC at PG level/ Multidisciplinary approach – If Any , please specify

13. Innovative teaching practices - If Any , please specify

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)

S.N.	Activity	Date/Duration
1	Essay Competition	04-09.2019
2.	Guest Lecture by Dr. S.D.Patil and Dr.G.A.Wagh	05-09-2019
3.	Visit to Water Treatment plant B.Sc. III Students	20-09-2019
4	Blood sugar testing camp	22-12-2019
5	Blood grouping and Hb testing by B.Sc. II students(CLT)	29-12-2019
6	Interaction with Rural area/Tq Place College Students Tiosa	09-01-2020
7	Oppournities in Biotechnology – Guest Lecture by Dr. Milind Serdesai	15-01-2020
8	Microbiome Food Festival (Fermented Food Competition)	27-02-2020
9.	Guest Lecture by Dr. N.V.Firke	27-02-2020
	Score	90%

SECTION - IV : RESEARCH OUTPUT

		SCORE
A. Intake capacity	-	10
B. No. of recognized supervisors	-	01
C. No. of students submitted/awarded Ph.D. degree	-	-
D. No. of registered students for Ph.D. degree	-	-
E. No. of fellow students	-	01
	ACTUAL SCORE	-

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
-	-	-	-	-	-
					ACTUAL SCORE

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
Dr.C .S.Ukesh	02			-	5.87	-	-			5 + 5
				-		-				
										ACTUAL SCORE
										1.0

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
-		-
		ACTUAL SCORE
		-

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE

1 Dr.C. S.Ukesh	N	01	02
2.. Dr. V.M.Pundkar	N	01	02
ACTUAL SCORE			04

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
		-
ACTUAL SCORE		-

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
1. Dr.C.S.Ukesh	As a resource person	
1.Guest Lecture on Biotech at Bhartiya M V AMT(29-2-20)		02
2.Worked as subject expert in placement		02
ACTUAL SCORE		04

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
			-
ACTUAL SCORE			-

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
		-
ACTUAL SCORE		-

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
		-
ACTUAL SCORE		-

SECTION - V : EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
1.	Visit to Sewage treatment plant	05
2	Visit to Water treatment plant	05
3	Tissue culture technique explained to B.Sc. II yr Students Lalasaheb Deshmukh College, Tiosa	05
4	Visit to pathology lab (CLT, DCLT Students)	05
ACTUAL SCORE		2

**B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc)
(keep record)**

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
			-	
ACTUAL SCORE				-

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
1. Dr. C.S.Ukesh	Head Dept. of Biotechnology & Microbiology	50 hrs
	Bos member of Biochemistry including Microbiology	4 hrs
	Paper Setting Bsc II Industrial Microbiology and Biotechnology	18 hrs
	Moderation	12 hrs
	Biotechnology & Microbiology Valuation	20 hrs
ACTUAL SCORE		10

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
	Dr. C. S Ukesh (AMI , IWSA, NPPA, MSI)	12
ACTUAL SCORE		10

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
ACTUAL SCORE		

C.S.Ukesh

HOD

mlunge
Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.

IQAC Committe



Principal
Principal
Shri Shivaji Science College
AMRAVATI.

Principal

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

Session 2019-2020

Name of the Department	Department of Chemistry
-------------------------------	--------------------------------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	1958	
B. Name of Head of the Department	Dr. G.N. Chaudhari	
C. Faculty (Regular & Contributory) :		
Sanctioned	Filled	Vacant
21	17	4

Name of Faculties:

S.N.	Name	Designation	Qualification	Service (Yrs)
1.	Dr. V. G. Thakare	Principal	M.Sc. Ph.D.	
2.	Dr. G.N. Chaudhari	Professor	M.Sc. Ph.D.	21
3.	Dr. S. K. Rithe	Associate Professor	M.Sc. Ph.D.	31
4.	Dr. A. S. Burghate	Professor	M.Sc. Ph.D.	31
5.	Dr. P. R. Mandlik	Professor	M.Sc. Ph.D.	23
6.	Dr. A. B. Bodade	Professor	M.Sc. Ph.D.	14
7.	Dr. N. H. Bansod	Professor	M.Sc. Ph.D.	14
8.	Dr. K. N. Puri	Professor	M.Sc. Ph.D.	19
9.	Dr. N. R. Thakare	Professor	M.Sc. Ph.D.	14
10.	Dr. P. R. Padole	Professor	M.Sc. Ph.D.	14
11.	Dr. S. A. Wadhal	Professor	M.Sc. Ph.D.	16
12.	Mr. G. M. Dongare	Associate Professor	M. Sc .	16
13.	Dr. Y. S. Thakare	Associate Professor	M.Sc. Ph.D.	13
14.	Dr. H. G. Wankhade	Assistant Professor	M.Sc. Ph.D.	5
15.	Dr. N. A. Kalambe	Assistant Professor	M.Sc. Ph.D.	12
16.	Dr. S. P. Ingole	Assistant Professor	M.Sc. Ph.D.	4
17.	Dr. V. R. Kinikar	Assistant Professor	M.Sc. Ph.D.	13

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify) COC
Y	Y	Y	Y (Cosmetology & B. Voc. Forensic)

E. Action Plan For Next Academic Year 2019-20

S.N.	Activity	Date/Duration
1	Popularizing COC in cosmetology	28 th July 2019
2	Science Awareness Programme for school children	11 th August 2019
3	National conference on "Innovations in Chemical Sciences and Green Chemistry" (NICSGC 2019)	30-31 st Aug 2019
4	Aptitude test for B.Sc. I	10 th Sept 2019
5	Intercolligate seminar competition for B.Sc. II	5 th Sept. 2019

6	Industrial visit to B.Sc. III	10 th Dec. 2019
7	Public awareness and social services by P.G. students	9 th January 2020
8	Quiz Competition for B.Sc. I	21 st Jan. 2020
9	UG and PG students visit to state National laboratories	2 nd January 2020
10	Resources from PG and UG students	8-9 th Feb. 2020
11	Science Exhibition under National Science day	28 th Feb. 2020
12	Review of paper writing for different journals	12 th March 2020
13	Aptitude test for B.Sc. III	17 th March 2020
14	Soil Testing Analysis	Consultancy

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	04
No. of faculty attended Refresher or Orientation Courses	01
No. of faculty Participated in short term courses, Capacity Building Workshops, etc.	04
No. of faculty members involved in curriculum restructuring/revision/syllabus development	NIL
Any attempts made towards enrichment of curriculum, if yes give details.	NIL

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. i) Result Analysis of last Academic Year (Summer-2019)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A(in %)	B(in %)	C(in %)	D(in %)	Score
B.Sc. I	84.36	24.12	18.38	7.78	21.88	
B.Sc. II	79.81	31.92	48.85	14.23		
B.Sc. III	94.35	40.80	50	7.19	2.01	
M.Sc. I	12.5	46.47	30	23.53		
M.Sc. II	77.27	100				

ii) Result Analysis of last Academic Year (Winter -2019)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A(in %)	B(in %)	C(in %)	D(in %)	Score
B.Sc. I	71.66	4.75	23.20	34.25	29.36	
B.Sc. II	82.11	27.04	33.58	15.14		
B.Sc. III	80.44	30.13	43.88	23.88	2.69	
AVE. SCORE						
M.Sc. I	62.5	32.2	21.13	46.66		
M.Sc. II	68	35.82	23	41.18		
AVE. SCORE						

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II
Intake	294	294	294	20	20
Admitted	338	294	284	25	24

Demand ratio	Nil	Nil	Nil		
--------------	-----	-----	-----	--	--

**3. Number of students enrolled from the region other than home university region:
P.G/ Ph.D.**

Ph.D.	M.Sc. I
00	00

4. Average Percentage of attendance of the students : (class wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II
Average	72.16	70.33	66.33	98	97

5. Measures taken to increase the attendance.

1. Track absences in real-time
2. Connect with students via mobile & messaging
3. Keep the morale high with good curriculum
4. Boost personalized learning
5. Improve interactions
6. Implement rewards for positive behavior
7. Increase parent involvement

6. E-content/reading materials developed for students

Class	No. of modules/units	E-content
B.Sc. I	Boron family	https://www.slideshare.net/NitinBansod5/boron-family-newqid=587e4e7e-0d0b-4198-933d-
	Electronic Displacements:	https://www.slideshare.net/pramodpadole35/sem-i-a-electronic-displacements-by-dr-pramod-r-padole
	Reactive intermediates	https://www.slideshare.net/pramodpadole35/semester-i-b-reactive-intermediates-by-dr-pramod-r-padole
	Aliphatic Hydrocarbons	https://www.slideshare.net/pramodpadole35/semester-i-c-aliphatic-hydrocarbons-by-dr-pramod-r-padole-242708143
B.Sc. II	Streochemistry	https://www.slideshare.net/Munna19/conformation-ug-newedited23110555
	Paper Chromatography	https://www.slideshare.net/Munna19/paperchromatography-231168806
	Stereochemistry	https://www.slideshare.net/pramodpadole35/stereochemistry-by-dr-p-r-padole
	Benzoin	https://drive.google.com/file/d/1OfgKBSi6UlxWze-

	Condensation	tgVvFuyjJwR9eWTqz/view?usp=sharing
	Reduction of Carbonyl compound	https://drive.google.com/file/d/123nUrlmV0Asz-Oeg5MNE5BK4JIZDFP39/view?usp=sharing
B.Sc. III	Pesticides	https://drive.google.com/file/d/1xo0HI6j6MhIRYCA97czlmbTPxckCSbk_/view?usp=sharing
	Indigo, Alizarin	https://drive.google.com/file/d/1YE05I0qdGuGT_E_GJd9paG4IKhqLO3R/view?usp=sharing
	Photochemistry, EMR, parameters of EMR	https://www.slideshare.net/ProfYogitaThakare/lect-1-photochemistry-introductionemrparameters-of-emr
	Interaction of EMR, photochemical and thermal reaction	https://www.slideshare.net/ProfYogitaThakare/lect-2-interaction-of-emr-photochemical-and-thermal-reaction

7. **Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)**

Name of the Teacher	Class	No. of beneficiaries
Nil		

8. **Any attempts made by department for value education, if yes give details.**

S.N.	Name of the programs
1	Science Awareness Programme for school children
2	Science Exhibition on Science Day
3	Visit State & National Laboratories
4	Health and Hygiene
5	Menstrual Hygiene
6	Frequent open and transparent discussion with the students.
7	Workshop on "Do the right decision at right time"

9. **Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.**

Special Guidance	No. of Beneficiaries	Achievements
IIT-JAM, Pune NCL M.Sc. Entrance Exam. & Other entrance exam. Tirt summer training programme	15	01

10. **Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)**

Title, objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
Intercollegiate chemquiz competition 2020 for B.Sc.I	10/ 02/ 2020	22
Aptitude test for B.Sc.I	6th February 2020	34
Late Dr. Nilay Bhamburkar Guest lectures series for PG students	23/01/2020	44
Five Day Training Course on "Instrumental Techniques and their Practical Applications for Students" for M.Sc Students	20/12/2019 to 24/12/2019	33
Intercollegiate seminar competition for B.Sc.II	26/ 09/2019	1
Intercollegiate seminar competition for B.Sc.III	27/ 09/2019	1
Research project presentation competition through poster for M. Sc II	3/30/2020	1
General Aptitude Test B Sc III	26th Feb.2020	1
Intercollegiate Seminar competition for M.Sc.I	18/ 10/2019	1
Intercollegiate Seminar competition for M.Sc.II	7/03/ 2020	1
Guest lecture by Zameer sheikh on Organic reagents and reaction mechanism For M.Sc I & II	27th Feb 2020	44
Conducted Lecture on Health and wellness by Vaishali Choukhande on SujogTherapy , Mudra , Smile meditation and Pratibha Bhote on do's and dont's of cosmetics	22 August 2019.	400 (UG + PG)
Awareness Campaign for the conservation of Environment,Health,Cultureand Ancient Architecture at Shivaji Multi High School	29 August 2019	500 School children & 100 B.Sc. Students
Organised Womens Day on Research Paper Writing guidance by Dr Jagruti Dhore,Dr Manisha Kodape for P,G Chemistry and Physics	12 March 2020	250
Organised One Day Workshop on Science Experiments at Shivaji Multi High School ,Amravati	29 August2019	500 School children & 100 B.Sc. Students
Educational Tour for M Sc I and II	20-25 Feb 2020	35
Industrial visit to Raymond Luxury Cottons Limited Amravati for B.Sc. II	7th March 2020	82

11. Course covered (programmewise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III
Total no. of Units to be taught	12	12	12
No. of Units completed	12	12	12
No. of Units remained	00	00	00
% of Practical completed	100%	100%	100%

B.

PG	M.Sc.-I	M.Sc.-II
Total no. of Units to be taught	20	20
No. of Units completed	20	20
No. of Units remained	00	00
% of Practical completed	100%	100%

11. GIC at PG level/ Multidisciplinary approach -If Any , please specify

13. Innovative teaching practices - If Any , please specify

14. Extent to which Action Plan executed (IN%) (Enlist the activities with date/s)

S.N.	Activity	Date/Duration
1	Popularizing COC in cosmetology	28 th July 2019
2	Science Awareness Programme for school children	29 th Aug 2019
3	National conference on "Innovative Research in Science and Technology" (NCIRST-2019)	17-18 Dec 2019
4	Aptitude test for B.Sc. I	2/6/2020
5	Intercollegiate seminar competition for B.Sc. II	26th Sept 2019
6	Industrial visit to B.Sc. II	7 th March 2020.
7	Public awareness and social services by P.G. students	9 th January 2020
8	Quiz Competition for B.Sc. I	10/ 02/ 2020
9	UG and PG students visit to state National laboratories	1/22/2020
10	Resources from PG and UG students	8-9 th Feb 2020
11	Science Exhibition under National Science day	27-28 Feb 2020
12	Review of paper writing for different journals	12 March 2019
13	Aptitude test for B.Sc. III	26 th Feb.2020
14	Soil Testing Analysis	Consultancy

SECTION - IV: RESEARCH OUTPUT

A. Intake capacity	20
B. No. of recognized supervisors	10
C. No. of students awarded Ph.D. degree	04
D. No. of students submitted for Ph.D. degree	02
E. No. of registered students for Ph.D. degree	12
F. No. of fellow students	

G. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status(ongoing /completed)	Outlay (Lack)
Green approach in the synthesis of	Dr. R. M. Kedar	UGC	Ongoing	390000

trisubstituted imidazoles and their nitro and acety derivatives

/-

H. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
Dr. G.N. Chaudhari	11		11	1343			20			42.9
Dr. S. K. Rithe	02		02	44			2			13
Dr. A. S. Burghate	7		7	69			5			63.7
Dr. P. R. Mandlik	09		09	106			5		0.567	113.4
Dr. A. B. Bodade	11	-	11	1343			10			42.9
Dr. N. H. Bansod	03		03							27.3
Dr. K. N. Puri	07		07							63.7
Dr. N. R. Thakare	02		02							22.1
Dr. P. R. Padole	14		14	132			5		6.3	96.2
Dr. S. A. Wadhal	05		05	75	5.87					45.5
Mr. G. M. Dongare	01		01							10
Dr. Y. S. Thakare	04		04				2			44.2
Dr. H. G. Wankhade	11		11	38	5.87		2			63.7
Dr. N. A. Kalambe	05		05		5.87					37.7
Dr. S. P. Ingole	02		02		5.87					26
Dr. V. R. Kinhikar	03		03		5.87					39

I. Paper Presented Oral/Poster

Name of Teachers	No. of Papers
Dr. G.N. Chaudhari	01

Dr. S. K. Rithe	01
Dr. P. R. Mandlik	03
Dr. N. H. Bansod	02
Dr. N. R. Thakare	02
Dr. P. R. Padole	07
Dr. S. A. Wadhal	05
Mr. G. M. Dongare	03
Dr. Y. S. Thakare	07
Dr. H. G. Wankhade	02
Dr. N. A. Kalambe	04
Dr. S. P. Ingole	03
Dr. V. R. Kinhikar	02

J. Conf./workshop etc attended

Name of Teachers	Level				No. of events attended	Total
	I	N	S	R		
Dr. G.N. Chaudhari	3	9		1	13	13
Dr. S. K. Rithe		2		1	03	03
Dr. A. S. Burghate	1	2			03	03
Dr. P. R. Mandlik		7		1	08	08
Dr. A. B. Bodade	5	13		1	19	19
Dr. N. H. Bansod		2			02	02
Dr. K. N. Puri		8			08	08
Dr. N. R. Thakare		2			02	02
Dr. P. R. Padole	1	10	1	1	13	13
Dr. S. A. Wadhal		1			01	01
Mr. G. M. Dongare	1	10			11	11
Dr. Y. S. Thakare	1	4		1	06	06
Dr. H. G. Wankhade	1	5		1	07	07
Dr. N. A. Kalambe	3	12	1	2	18	18
Dr. S. P. Ingole	1	6		2	09	09
Dr. V. R. Kinhikar		4		1	05	05

K. Books written/edited

Name of Teachers	No. of Books/Chapters Coauthor
Dr. P. R. Mandlik	02
Dr. K. N. Puri	04
Dr. N. R. Thakare	01
Dr. P. R. Padole	02
Dr. Y. S. Thakare	01
Dr. H. G. Wankhade	01

L. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc
Dr. P. R. Mandlik	Elected as a Secretary of AUCTA, Amravati.
Dr. N. H. Bandod	Ph.D. Awardee

M. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.

N. Collaboration MoU

Name of Teachers	Area of consultancy
Dr. G. N. Chaudhari	Nanomaterials Laboratory, I & PC Section CSIR-Indian Institute Of Chemical Technology Hyderabad.
Dr. P. R. Padole	Dr. Panabrao Deshmukh Memorial Medical College, Amravati
Dr. S. A. Wadhal	Shodh Advantech LLP, Aurangabad
	Peaks Analytica Research and Training Centre, Hingana, Nagpur-441110

O.
P. Patents Details
(filed/approved) if any

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		

SECTION - V: EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities (e.g. field work, study tour, industrial visit, career counseling, etc (keep record))

Sr. No.	Activities	Date / Duration
1	Popularizing COC in cosmetology	
2	National conference on "Innovative Research in Science and Technology" (NCIRST-2019)	17-18 Dec 2019
3	Aptitude test for B.Sc. I	2/6/2020
4	Intercollegiate seminar competition for B.Sc. II	26th Sept 2019
5	Industrial visit to B.Sc. II	7 th March 2020.
6	Public awareness and social services by P.G. students	
7	Quiz Competition for B.Sc. I	10/ 02/ 2020
8	UG and PG students visit to state National laboratories	1/22/2020
9	Resources from PG and UG students	
10	Science Exhibition under National Science day	27-28 Feb 2020
11	Review of paper writing for different journals	12 March 2019
12	Aptitude test for B.Sc. III	26 th Feb. 2020
13	Soil Testing Analysis	

B. Extension /outreach activities (e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s
1.	Dr. A. B. Bodade	Science Awareness Programme for school children	29 th Aug 2019

2.	Dr. A. B. Bodade	Lecture on Health & Wealth	22-Aug-19
----	------------------	----------------------------	-----------

ISTE	ACT	ISCA	AUCTA	NUTA	ALUMINI	MRSI	TREE	WILDL	G.C.	IASSCA	MVP
01	16	09	16	15	09	00	08	00	00	00	00

C. Contribution to University work (keep record)

AWB

- Senate : 01
- Redesigning of UG & PG Curriculum : 00
- Moderation : 06
- LEC : 01
- University Vigilance committee : 00
- Subject Expert & Member of Research Advisory Committee constituted as per the Ordinance No. 1 of 2016 for the admission and registration for Ph.D. degree : 03
- Member of VC nominee for selection / promotion : 01
- Member of Subject expert for selection / promotion : 02
- Members are involved in Paper setting / valuation / Redressal / conducting practical examinations etc. : 09

D. Membership of Academic Associations

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
1	Dr. Y. S. Thakare	Short Term Course

AWB

HEAD OF DEPT

AA COMMTT

Principal

h. s. lunge
Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.



Principal
Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

Session 2019-2020

Name of the Department	Department of Botany
-------------------------------	-----------------------------

SECTION – I : GENERAL INFORMATION

A. Date and Year of Establishment :	1958	
B. Name of Head of the Department	Dr. B. K. Dorkar	
C. Faculty (Regular & Contributory) :		
Sanctioned	Filled	Vacant
10	08	02

Name of Faculties:

S.N.	Name	Designation	Qualification	Service (Yrs)
1.	Mr. B.K. Dorkar	Associate Professor	M.Sc. M. Phil	32
2.	Dr. G.B Hedawoo	Associate Professor	M.Sc. Ph. D	22
3.	Dr. T.B. Wankhede	Associate Professor	M.Sc. Ph. D, SET	22
4.	Dr. D.V. Hande	Associate Professor	M.Sc. Ph. D	17
5.	Dr. D.D. Khedkar	Associate Professor	M.Sc. Ph. D, NET	22
6.	Dr. R.C. Maggirwar	Associate Professor	M.Sc. Ph. D, SET	16
7.	Dr. S.V. Pundkar	Assistant Professor	M.Sc. Ph. D	1:04
8.	Mr. A.N. Darsimbhe	Assistant Professor	M.Sc. NET	1:03

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify) COC
Y	Y	Y	N

E. Action Plan For Next Academic Year 2019-20

S.N.	Activity	Date/Duration
1	Plant of the Day" activity	27-28 February 20
2	Mushroom cultivation	04 September 2019
3	Botanical excursion for UG and PG	28 September 2019
4	Medicinal plants cultivation	11 October 2019
5	Students' Exchange Programme	29 December 2019
6	Industry Visit	5 February 2020
7	Foldscope Outreach	29 January 2020

SECTION – II : HUMAN RESOURCE

No. of faculty attended FIP.	Nil
No. of faculty attended Refresher or Orientation Courses	03
No. of faculty Participated in short term courses, Capacity Building Workshops, etc.	03
No. of faculty members involved in curriculum restructuring/revision/syllabus development	03

Any attempts made towards enrichment of curriculum, if yes give details.	-
--	---

SECTION – III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. i) Result Analysis of last Academic Year (Summer-2019)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A(in %)	B(in %)	C(in %)	D(in %)	SCORE
B.Sc. I	83.54	7.58	31.06	25.76	35.61	12.21
				AVE. SCORE		12.21
Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	SCORE
B.Sc. II BIO	74.71	16.09	41.37	29.88	14.94	
B.Sc. II MEB	70.63	20.31	34.67	26.56	14.06	
Total	72.67	18.20	38.02	28.22	14.05	12.88
				AVE. SCORE		12.88
Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	SCORE
B.Sc. III Sem VI (S-19)	62.86	35.59	47.98	11.28	4.24	14.60
				AVE. SCORE		14.60
M.Sc. I	45.83					45.83
M.Sc. II	82.60					82.60

ii) Result Analysis of last Academic Year (Winter -2019)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A(in %)	B(in %)	C(in %)	D(in %)	SCORE
B.Sc. I	64.71	3.64	14.55	17.27	64.55	8.29
					AVE. SCORE	8.29
B.Sc. II BIO	77.17	26.08	44.56	19.56	6.52	
B.Sc. II MEB	81.25	25.00	46.87	20.31	6.25	
Total	79.21	25.54	45.71	19.93	6.38	15.04
					AVE. SCORE	15.04
B.Sc. III Sem V	82.52	17.18	49.57	27.81	6.86	14.92
					AVE. SCORE	14.92
M.Sc. I	52.17					52.17
M.Sc. II	91.30					91.30
					AVE. SCORE	

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II
Intake	180	180	180	24	24
Admitted	174	152	146	23	23
Demand ratio	NA	NA	NA	NA	NA

3. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I

Nil	Nil
-----	-----

4. Average Percentage of attendance of the students : (class wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II
Average	59.5 %	60 %	77 %	87.32 %	89.66 %

5. Measures taken to increase the attendance.

6. E-content/reading materials developed for students

Class	No. of modules/units	E-content
B.Sc. I	YouTube	https://youtu.be/QoNudBo1ruw
	YouTube	https://youtu.be/VSuuiLmARR0
	YouTube	https://youtu.be/8ZK0XyvhtSQ
	Google Drive	https://classroom.google.com/w/MTI0OTQ5Nz/MzMTE5/t/all
	Google Drive	https://classroom.google.com/w/MTI0OTQ5Nz/MzMTE5/tc/MTAyNDAYMjcXNDYw
	Google Drive	https://classroom.google.com/w/MTI0OTQ5Nz/MzMTE5/tc/MTAyNDAYMjcXNTE4
B.Sc. II	B.Sc. II Sem- IV	https://www.slideshare.net/dvhande/nucleus-231749318
	B.Sc. II Sem- IV	https://www.slideshare.net/dvhande/chloroplast-231748078
	B.Sc. II Sem- IV	https://www.slideshare.net/dvhande/peroxisomes-231746825
	B.Sc. II Sem- IV	https://www.slideshare.net/dvhande/mitochondria-231745977
	B.Sc. II Sem- IV	https://www.slideshare.net/dvhande/endoplasmic-reticulum-231745445
	You Tube	https://youtu.be/7iWnoBVGWU8
	You Tube	https://youtu.be/xtjszMU73E4
	Slide Share	https://www.slideshare.net/DrSwatiPundkar/bsci-i-introasteraceae
	Slide Share	https://www.slideshare.net/DrSwatiPundkar/apocynaceae-family
	Slide Share	https://www.slideshare.net/DrSwatiPundkar/apocynaceae-family
B.Sc. III	Own website developed	http://www.tusharwankhede.com/academics/ppt/UNIT-I%20PPT.pdf
	Google classroom	http://www.tusharwankhede.com/academics/ppt/Unit-II%20PPT.pdf
	You Tube	https://www.youtube.com/playlist?list=PLblxTkS1c18hj_0mtvV2qCXABzWMngQXN
	You Tube	https://www.youtube.com/playlist?list=PLblxTkS1c18idGAUFNHTaC9FulaMuP9pM

	You Tube	https://www.youtube.com/playlist?list=PLblxTkS1c18jkLcnURUh-VhSiyqzHBPwY
	You Tube	https://youtu.be/2lu0e9aVys8
	You Tube	https://youtu.be/S2UJHLzv7FM
	Slide Share	https://www.slideshare.net/AvinashDarsimbe1/zone-depletion-238830411
	Slide Share	https://www.slideshare.net/AvinashDarsimbe1/nitrogen-metabolism-sources-of-nitrogen

7. **Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)**

Name of the Teacher	Class	No. of beneficiaries
Dr. R.C. Maggirwar	Special Coaching, assignments	40
Dr. G.B. Hedawoo	Remedial	24

8. **Any attempts made by department for value education, if yes give details.**

S.N.	Name of the programs
1.	Character, Ethics and Moral, Soft skill development workshop 18 Feb 2020, Smt.Kesharbai Lahoti Mahavidyalay, Amravati Dr. R.C. Maggirwar

9. **Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.**

Special Guidance	No. of Beneficiaries	Achievements
Special Coaching, assignments	40	
Remedial	24	

10. **Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)**

Title, objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
Career Counseling	15 September 2019	40
Yuva Bhushan Competition	6 February 2020	24
Socrates Test	228 December 2019	06

11. **Course covered (programmewise)**

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III
----	---------	----------	-----------

Total no. of Units to be taught	12	12	12
No. of Units completed	12	12	12
No. of Units remained	0	0	0
% of Practical completed	100%	100%	100%

B.

PG	M.Sc.-I	M.Sc.-II
Total no. of Units to be taught	20	20
No. of Units completed	20	20
No. of Units remained	0	0
% of Practical completed	100%	100%

11. GIC at PG level/ Multidisciplinary approach –If Any , please specify

13. Innovative teaching practices - If Any , please specify

14. Extent to which Action Plan executed (IN%) (Enlist the activities with date/s)

S.N.	Activity	Date/Duration
1.	Plant of the Day” activity	27-28 February 20
2.	Mushroom cultivation	04 September 2019
3.	Botanical excursion for UG and PG	28 September 2019
4.	Medicinal plants cultivation	11 October 2019
5.	Students’ Exchange Programme	29 December 2019
6.	Industry Visit	5 February 2020
7.	Foldscope Outreach	29 January 2020

SECTION – IV: RESEARCH OUTPUT

A. Intake capacity	10
B. No. of recognized supervisors	05
C. No. of students awarded Ph.D. degree	02
D. No. of students submitted for Ph.D. degree	01
E. No. of registered students for Ph.D. degree	08
F. No. of fellow students	1

G. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status(ongoing/c completed)	Outlay (Lack)

H. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
Mr. B.K. Dorkar	01		01	46	4.576	Scientific indexing service	03			12
Dr. G.B Hedawoo	05	01	06	41	6.261		04			12
				41	6.261		04			09
				41	5.87		04			12
				41	6.293		04			12
				41	7.675		04			9
				41	2.36		04			12
Dr. T.B. Wankhede	02		02							26
Dr. D.V. Hande	02		02	46	4.576	Scientific indexing service	03			20
Dr. D.D. Khedkar	02		02		2.2	Web of Science	--	--	--	12
Dr. R.C. Maggirwar	01		01	13			03			9.1
Dr. S.V. Pundkar	01		01		5.87					9.1
Mr. A.N. Darsimbhe										

I. Paper Presented Oral/Poster

Sr. No.	Name of Teachers	No. of Papers
1.	Mr. B.K. Dorkar	0
2.	Dr. G.B Hedawoo	18
3.	Dr. T.B. Wankhede	02
4.	Dr. D.V. Hande	02
5.	Dr. D.D. Khedkar	02
6.	Dr. R.C. Maggirwar	07
7.	Dr. S.V. Pundkar	02
8.	Mr. A.N. Darsimbhe	02

J. Conf./workshop etc. attended

Name of Teachers	Level				No. of events attended	Total
	I	N	S	R		
Mr. B.K. Dorkar	0				0	0
Dr. G.B Hedawoo	03	08	04	3	18	18
Dr. T.B. Wankhede		02			02	02
Dr. D.V. Hande		02			02	02
Dr. D.D. Khedkar		02			02	02
Dr. R.C. Maggirwar		01	06		07	07
Dr. S.V. Pundkar	01	01			02	02
Mr. A.N. Darsimbhe			01	01	02	02

K. Books written/edited

Name of Teachers	No. of Books/Chapters Coauthor
Dr. D.D. Khedkar	01 Career Pilot: Creative and Unconventional Path

L. Awards/recognitions/chaired session by faculty/faculty as a resource person(give details)

Name of Teachers	Awards/recognitions etc
Dr. D.D. Khedkar	Best Teacher Award, Shri Shivaji Science College, Amravati Gadgebaba Seva Puskar, Shabdprabhu, Amravati
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.

M. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.
NIL		

N. Collaboration MoU

Name of Teachers	Area of consultancy
Dr.D.D. Khedkar	Under DBT Project Exchanged students and Research materials Dr. Maghima Muthyaramal College, Rasipuram

O.

P. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
NIL		
ACTUAL SCORE		

SECTION – V:EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	Date / Duration
1.	Mushroom Cultivation	16 Septembr 2019
2.	Vermicompost activity	17 Janewari 2020
3.	Plant of the day	27 February 2020
4.	Botanical excursion for UG and PG	2 September 2019
5.	Medicinal plants cultivation	10 March 2010S
6.	Inspire Internship Camp	25 December 2019

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s
1.	Dr. R.C. Maggirwar	Certificate Course on Nursery technique With Cultivation special reference to floriculture Kamla Nehru Mahavidyalaya Nagpur	24 Sept 2019
		Soft skill development workshop Arts and Science College, Kurha	25 Sept 2019
		Soft skill development workshop Sadhana Shikshan Mandal's Saraswati College Shegaon	21 Jan 2020
		Soft skill development workshop Arts Science Commerce College, Chikhaldara	3 Feb 2020
		Soft skill development workshop J.D. Patil Sangludkar Mahavidyalaya Daryapur	12 Feb 2020
		Soft skill development workshop Nehru Mahavidyalay Ner Parsopant, Yeotmal	13 Feb 2020
		Soft skill development workshop Smt.Kesharba Lahoti Mahavidyalay, Amravati	18 Feb 2020

C. Contribution to University work (keep record)

- Redesigning of UG & PG Curriculum :
- Moderation :
- LEC :
- Avishkar Commiittee.
- Subject Expert & Member of Research Advisory Committee constituted as per the Ordinance No. 1 of 2016 for the admission and registration for Ph.D. degree :
- Member of VC nominee for selection / promotion :
- Member of Subject expert for selection / promotion :
- Members are involved in Paper setting / valuation / Redressal / conducting practical examinations etc. :
- Member of CDC
- Member of college committee
- Member of college research committee

D. Membership of Academic Associations

Life member Indian Botanical Society
Life member Mycological Society of India
Life member Bharat Krushak Samaj
Life member of The Indian Science Congress Association
Life Member , NUTA
Member, Bombay Natural History
Amravati Garden Club
Avishkar cell Coordinator
Member, Board of Studies in Botany
Co-ordinator of P.G. Bioinformatics Department

E.

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)

Departmental Activities:- “Plant of the activity”

Department of Botany started “Plant of the activity” on the occasion of National Science Day on 28 February 2020 for PG students.

Aim : To know various important information about plant i.e. morphology and medicinal uses. To build herbarium library in our college. To develop scientific view in student To keep student active in College curriculum activity. To develop curiosity in student regarding plants Due to these activity knowledge of plant is given to every reader from any stream.

PG students collect fresh plant everyday and display on the board Infront of Botany department , so that every student can get familiar with that plant and its medicinal uses along classification and morphology. Later on PG students of our department add this plant to a herbarium. ts very useful activity from students point of view as students get all important information regarding that particular plant at one place. All the information of the plant collected by the students are verified and checked by staff member of our department.

HEAD OF DEPT

AA COMMTT

Principal


Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.




Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

2019-2020

Name of the Department	COMPUTER SCIENCE
------------------------	------------------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	1988				
B. Name of Head of the Department	Dr. H.M. Deshmukh				
C. Faculty (Regular & Contributory) :	Regular-4 & CHB-19				
Sanctioned	04	Filled	04	Vacant	Nil

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Dr. H.M. Deshmukh	Head of Dept.	MCM,PGD,Ph.D	30
2	Prof. M.M. Bhonde	Asst. Professor	M.Sc,SET,DST	20
3	Dr.U.S. Junghare	Asst.Professor	M.Sc, Ph.D	01
4	Prof.Y.V.Hushare	Asst.Professor	M.Sc., SET	01

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	Y		

E. Action Plan For Current Academic Year

S.N.	Activity	Date/Duration
1	To arrange Seminar Competition & Workshop for Students	
2	To arrange Guest Lecture for Students	
3	To arrange Industrial Visit for Students	

SECTION – II : HUMAN RESOURCE

No. of faculty attended FIP.	Nil
No. of faculty attended Refresher or Orientation Courses	02
No. of faculty Participated in short term courses, Capacity Building Workshops etc	
No. of faculty members involved in curriculum restructuring/revision/syllabus development	04
Any attempts made towards enrichment of curriculum, if yes give details.	

SECTION – III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %		A (in %)		B (in %)		C (in %)		D (in %)		Score
B.Sc. I	92.65	87.67	22.22	14.02	55.56	39.06	22.22	32.81	0	6.25	
B.Sc. II	91.42	94.11	10.94	26.56	67.18	59.38	21.87	14.06	0	0	
B.Sc. III	81.33	97.14	20	4.41	57	70.59	23	25	0	0	
AVE. SCORE											
BCA I	23	29	25.93	0	70.37	31.58	3.70	65.79	0	2.63	
BCA II	38.82	19.82	15.15	4.55	57.58	59.09	27.27	40.91	0	4.55	
BCA III	73	65	6.85	4.16	75.34	56.25	10.96	27.08	5.48	14.58	
AVE. SCORE											
M.Sc. I	76.67	52	13.04	0	86.96	46.15	0	53.85	0	0	
M.Sc. II	88.46	45	8.70	7.69	86.96	92.31	4.35	0	0	0	
AVE. SCORE											

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I		B.Sc. II		B.Sc. III		M.Sc. I	M.Sc. II	BCA I	BCA II	BCA III
	CS	CA	CS	CA	CS	CA					
Intake	72	72	72	72	72	72	30	30	120	120	120
Admitted	73	52	68	53	70	65	25	29	138	113	77
Demand ratio											

3. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I		B.Sc. II		B.Sc. III		AVE Score	M.Sc .I	M.Sc . II	AVE Score	BC A I	BC A II	BC A III	AVE Score
	C S	C A	C S	C A	C S	C A								
July-Oct														
Dec-Mar														
ACTUAL SCORE														

5. Measures taken to increase the attendance

6. E-content/reading materials developed for students

Name of the Teacher	
1.	
2.	
ACTUAL SCORE	

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class
1.	
2.	
ACTUAL SCORE	

8. Any attempts made by department for value education, if yes give details.

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

10. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
ACTUAL SCORE		

11. Course covered (programme wise)

A.

UG	B.Sc.-I		B.Sc.-II		B.Sc.-III		BCA-I	BCA-II	BCA-III	Total
	CS	CA	CS	CA	CS	CA				
Total no. of Units to be taught										
No. of Units completed										
No. of Units remained	-		-		-		-	-	-	
% of Practical completed	100		100		100		100	100	100	
SCORE										

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught			
No. of Units completed			
No. of Units remained	-	-	-
% of Practical completed	100	100	100
SCORE			

11. GIC at PG level/ Multidisciplinary approach - If Any , please specify

13. Innovative teaching practices - If Any , please specify

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)

SECTION - IV : RESEARCH OUTPUT

	SCORE
A. Intake capacity	
B. No. of recognized supervisors	
C. No. of students submitted/awarded Ph.D. degree	
D. No. of registered students for Ph.D. degree	
E. No. of fellow students	
ACTUAL SCORE	

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
-					
ACTUAL SCORE					

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							

ACTUAL SCORE

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
ACTUAL SCORE		

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
ACTUAL SCORE			

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
ACTUAL SCORE		

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
ACTUAL SCORE		

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
ACTUAL SCORE			

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
ACTUAL SCORE		

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		

SECTION - V : EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
ACTUAL SCORE		

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
ACTUAL SCORE				

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
Dr. Hemant M. Deshmukh	BOS Member, SEC, LEC, Curric.Restr.	
Prof. M.M. Bhonde	SEC, LEC, Curric.Restr. ,Valuation	
ACTUAL SCORE		

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
	Dr. H.M.Deshmukh, Prof. M.M. Bhonde	
ACTUAL SCORE		

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
	Prof. M.M. Bhonde	Refresher Course
	Dr.U.S. Junghare	Refresher Course
ACTUAL SCORE		

lmm
Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

mlunge
Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.



Principal
Principal
Shri Shivaji Science College
AMRAVATI.

IQAC Coordinator

Principal

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

Name of the Department	ENVIRONMENTAL SCIENCE
------------------------	-----------------------

SECTION - I: GENERAL INFORMATION

A. Date and Year of Establishment :	1999
B. Name of Head of the Department	Dr. S. P. Ingole

C. Faculty (Regular & Contributory) : Regular-3 & Contributory -7 (1+6)

Sanctioned	03	Filled	03	Vacant	00
------------	----	--------	----	--------	----

S.N.	Name	Designation	Qualification	Service (Yrs)
1.	Dr. S. P. Ingole	Head & Assist. Professor	M.Sc, B.Ed., Ph.D.	21
2.	Dr. K.J. Gawai	Assist. Professor	M.Sc., NET, M.Phil., Ph.D.	11
3.	Mr. V.D. Bute	Assist. Professor	M.Sc., M.Phil., SET	8 Month

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other (specify)
Y	Y	Y	

E. Proposed Action Plan for Next Academic Year (2020 -2021)

S.N.	Date/Duration	Activity	Event to be organized
1	5 th to 8 th June 2020	Four Days Webinar Series	“On Application of Remote Sensing in Hydrology and Environment”
2	13 th June 2020		• Video Contest
3	June 2020		• Environmental Science GIS Based Quiz
4	26 Sep.	World Environment Health Day	
5	Oct. 2020	Online	• Student Seminar
6	28 Feb 2021	National Science Day	• Essay competition
7	Continuous Monitoring Programme	Regular Noise and Air Pollution Monitoring	• Regular Noise and Air Pollution Monitoring in Amravati city

SECTION - II: HUMAN RESOURCE

No. of faculty attended FIP.	-
------------------------------	---

No. of faculty attended Refresher or Orientation Courses	03
--	-----------

No. of faculty Participated in short term courses, Capacity Building Workshops etc	02
--	----

No. of faculty members involved in curriculum restructuring/revision/syllabus development	02 – S.G.B.A.U. Amt.
	01 – Gondwana University, Gadchiroli.

Any attempts made towards enrichment of curriculum, if yes give details.	
--	--

SECTION – III: TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year (Summer-2019)

(U.G.-max. score 20/semester &P.G.max. score 20/semester)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A(in %)	B(in %)	C(in %)	D(in %)	Score
B.Sc. I	76.08	14.28	62.85	20	2.9	15.32
B.Sc. II	82.5	45.5	42.4	12.1	-	17.04
B.Sc. III	100	44.9	48.98	6.12	-	17.24
AVE. SCORE						16.28
M.Sc. I	79.17	31.58	68.42			17.91
M.Sc. II	90.9	55	45			19.09
AVE. SCORE						18.5

Result Analysis of last Academic Year (Winter-2019)

(U.G.-max. score 20/semester &P.G.max. score 20/semester)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A(in %)	B(in %)	C(in %)	D(in %)	Score
B.Sc. I	82	17.07	61	21.95		16
B.Sc. II	81.08	40	53.33	6.66		17.44
B.Sc. III	93.94	45.16	45.16	9.67		18.42
AVE. SCORE						17.28
M.Sc. I	79.2	10.53	89.47			17.92
M.Sc. II	91.7	68.18	31.82			19.17
AVE. SCORE						18.54

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II	BCA I	BCA II	BCA III
Intake	50	50	50	24	24			

Admitted	50	39	33	24	24			
Demand ratio	25	19.5	16.5	2.66	2.66			

**3. Number of students enrolled from the region other than home university region:
P.G/ Ph.D.**

Ph.D.	M.Sc. I
_____	_____

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score
July	SPI-49 KJG-42	46.97	67.39	54.45	74.92	76.19	75.55				
Aug	SPI-52.68 KJG-39.81	49.26	67.81	56.58	81.23	83.77	82.5				
Sept	SPI-59.26 KJG-49.54	57.13	68.12	61.50	72.97	78.19	75.58				
Oct	SPI-60.79 KJG-61.8	36.71 34.87	60.03 59	52.51	75.43	76.82	76.12				
Jan	SPI-59 KJG-60	38.49 36.70	61.47 60.4	52.98	75.74	81	78.37				
Feb	SPI-61.21 KJG-50.4	38.58 40.5	58.57 57.2	52.78	68.87	71.6	70.23				
March	SPI-62 KJG-70	55.63 46	65.61 61	61.08	81	82	81.5				
	SPI-58.05 KJG-59.84	45.27 46	70 62	57.77	74.8	80.2	77.5				
ACTUAL SCORE	SPI-6 KJG-6	4	6	5.5.6	7.5	7.5	7.7				

5. Measures taken to increase the attendance -

- Discussion with respective G.T.
- Students absent in theory are not permitted for practical.
- Personal interface with absent student to know reason about absent.
- At time of internal submission talk with those students.

6. E-content/reading materials developed for students

Name of the Teacher	
1.	Dr. S.P. Ingole - E- Content - module (6) B.Sc.- III - 12
2.	Dr. K.J. Gawai E- Content - module (2) B.Sc.- I - 04
3.	Mr. V. D. Bute - E- Content - module B.Sc. II & III 04 + 04 =8unit
ACTUAL SCORE	
	2.4

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class	Schedules	Beneficiaries
SPI + KJG	B.Sc. I	T-03, P-02	50
SPI + AUK	M.Sc. I	T-06, P- 02	24

ACTUAL SCORE	1.75
---------------------	-------------

8. Any attempts made by department for value education, if yes give details.

Awareness about:-

- Society and Environment.
- Environmental Sustainability.
- Health, Hygiene & environment.

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements

- NET/SET guidance-Yet, no achievement.
- Guidance to participate & present paper in conference and other competitive exam.

10. Co-curricular activities organize for students (seminars/workshops/field visits/guest lecturers etc, give details in prescribed formats)

Title, objectives, duration/date/ no. of participants/brief report/s

Name of activity/ Title	Objective	Date/Duration	No. of beneficiaries
<ul style="list-style-type: none"> • Workshop 1. One day workshop on “Basics in Photography” GIS & remote sensing workshop. 2. intercollegiate five days’ workshop 	<ul style="list-style-type: none"> • Awareness • Knowledge • Attitude • Skills & Development • Participation 	25.09.2019(7 hrs.)	88
		25 to 30 Jan 2020(5 hrs.)	55
<ul style="list-style-type: none"> • Field Visit 1. Visit to ‘Jaldut Photo Exhibition Van 2. Visit to Govt. Divisional Library 3. Visit to Wadali (Pond) 4. Visit Sewage Treatment Plant 5. Visit to Bamboo Garden 6. Visit to Narnala Wildlife Sanctuary 		22.10. 2019(10 hrs)	40
		22.10. 2019 (12 hrs.)	40
		23.01.2020(4 hrs)	70
		25.02.2020(4 hrs)	41
		04.03.2020	45
<ul style="list-style-type: none"> • Guest lecture - 1. Ms. Shivani Deshmukh 2. Ms. Sujata Pachghare 		26-08-2019 (2 hrs)	36
		28 Feb 2020 (2 hrs)	55
ACTUAL SCORE			4.7

11. Course covered (programmewise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA- I	BCA-II	BCA-III	Total
Total no. of Units to be taught	06 +06	06 +06	06 +06				18
No. of Units completed	06 +06	06 +06	06 +06				18

No. of Units remained	-	-	-				-
% of Practical completed	100	100	100				100
SCORE							70

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught	20 +20	20 +20	80
No. of Units completed	20 +20	20 +20	80
No. of Units remained	0	0	0
% of Practical completed	100	100	100
SCORE			70

12. GIC at PG level/ Multidisciplinary approach -If Any , please specify

32 Student are registered for general interest course.

13. Innovative teaching practices - If Any , please specify

- Spaced learning
- Desire method.
- Participatory teaching
- Working models of Air Pollution Control devices are shown to B.Sc. IIIrd year students.
- RBPT - topic are provided & their presentation.
- Engagement – application of knowledge

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)(19 -20)

No.	Activity Proposed	Activities completed in 19-20	Date	%
1.	14 No.	Conducting Seminars by PG students on 'Tiger Pride of Nation'.	29.07.2019	85
2.		Tree Plantation Programme	31.07. 2019	
3.		Eco-friendly Raksh-Bandhan	15.8.2019	
4.		Intercollegiate Workshop on Eco-friendly Ganpati Making:	09.2019	
5.		Participation in MatichaGanpatiBasawaMohim	Sept	
6.		The activity was conducted during Ganpati Festival	2 - 12 .09.2019	
7.		Internal Assessment for student	Sept	
8.		On this occasion walkathon was organized.	16 .9.2019	
9.		One day workshop on "Basics in Photography"	25-09-2019	
10		Workshop on Health &Environment (for girl's students at school level)	Sept.	
11.		Inauguration of Environmental Science Society :	3.10. 2019	
12.		Common test for student	Oct.	
13.		five days' workshop for P. G. and B.Sc. III rd students from	25- 30 .01. 2020	
14.		Environmental literacy survey	Jan-Feb	

15.		Guest lecture was organised on the topic "Women in Science".	28.2. 2020	
16.		Internal Assessment for student	Feb	
17.		Regular Noise and Air Pollution Monitoring	Continuous	
18.		Air pollution monitor	Continuous	
19.		Common test for student	March	

SECTION - IV:RESEARCH OUTPUT

		SCORE
A. Intake capacity	05	
B. No. of recognized supervisors	01	
C. No. of students submitted/awarded Ph.D. degree	01 (A)	15
D. No. of registered students for Ph.D. degree	03+2	
E. No. of fellow students	-	
ACTUAL SCORE		15

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status(ongoing/completed)	Outlay(Lac)	SCORE
-	-	-	-		
ACTUAL SCORE					

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
Dr. S. P. Ingole	02	02	04		5.87	Index copernicus, UGC, Academia.edu				82
Dr. K.J. Gawai	-	01	01		5.87					23.1
Mr. V.D. Bute		01	01		5.87					13
ACTUAL SCORE										118.1

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
-	-	-
ACTUAL SCORE		

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
Workshop			
Dr. S. P. Ingole	Regional	03	03
Dr. K.J. Gawai	Regional	02	2
Mr. V.D. Bute	Regional	02	2
Conference			
Dr. S. P. Ingole	National	01	2.5

Dr. K.J. Gawai	National	01	2.5
Mr. V.D. Bute	National	01	2.5
ACTUAL SCORE			14.5

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
Dr. S. P. Ingole	A text book of Environmental conservation and management(Dnyanpath publication) ISBN-30:978-93-87278-27-1	05
ACTUAL SCORE		05

K. Awards/recognitions/chaired session by faculty/faculty as a resource person(give details)

Name of Teachers	Awards/recognitions etc	SCORE
Dr. S. P. Ingole	Res. Person-01	15
Mr. V.D. Bute	Res. Person-01	15
ACTUAL SCORE		30

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
Dr. S. P. Ingole, Dr. K.J. Gawai& Mr. V.D. Bute	Air, Water, Soil		
ACTUAL SCORE			

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
Dr. S. P. Ingole Dr. K.J. Gawai& Mr. V.D. Bute	1. MOU with ISRO	05
	2.Jadho solar & automotive pvt. ltd	05
ACTUAL SCORE		10

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		

SECTION - V:EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, Prs, etc (keep record)

Sr. No.	Activities	SCORE
	Field work-	
1	Noise pollution monitoring prog (1 hrs /month) 12x2=24	2.4
2	Air pollution monitoring prog. (1 hrs/month) 12x2=24	2.4
3	Environmental literacy survey (48 hrs)	4.8
	Study Tour	
1	Visit to Narnala Wildlife Sanctuary (12 hrs)	1.2
2	Visit to wadali pond(4 hrs) 4x2 hrs =8 hrs	0.8
3.	Visit to Bamboo Garden(4 hrs) 4x2 hrs =8 hrs	0.8
	Industrial visit	
1	Visit sewage treatment plant(4 hrs)	0.4

•	Prs	10.08
ACTUAL SCORE		22.88

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
1	SPI KJG& VDB	AMC air pollution monitoring AMC noise pollution monitoring As a member of Ambient Air Quality Monitoring Prog.	24 hrs 24 hrs 4 hrs	2.4 2.4 0.4
ACTUAL SCORE				5.2

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
Dr. S. P. Ingole	Paper setting UG + PG(0+2)(08 hrs)	0.8
	Moderation (W + S) UG-2 + PG-2(28hrs)	2.8
	Valuation UG + PG+ Redressal 57+82+8 (28 hrs)	2.8
	Practical exam. W+S	
	External -05 (12hrs)	1.2
	Internal 03 (30 hrs)	3.0
	Internal Assessment	
	B,Sc.III. Seminar 48 students (10 hrs)	1.0
	B,Sc-I Assignments	
	College Exam	
	Paper setting (04 hrs)	0.4
	Valuation(14 hrs)	1.4
	ACTUAL SCORE	13.4
Dr. K.J.Gawai	Paper setting UG + PG(0+2)(08 hrs)	0.8
	Moderation (W + S) UG=0 + PG (14hrs)	1.4
	Valuation UG + PG+ Redressal86+44+2(28 hrs)	2.8
	Practical exam. W+S	
	External -2 (21hrs)	2.1
	Internal (30 hrs)	3
	Internal Assessment	
	B,Sc.II. Seminar-08 students (1.20 Hrs)	0.12
	B,Sc-I Assignments	
	College Exam	
	Paper setting (08hrs)	0.8
	Valuation (28hrs)	2.8
	ACTUAL SCORE	13.92
Mr. V. D. Bute	Practical exam. W+S	
	Internal (30 hrs)	3
	Internal Assessment	

	B,Sc. II & III. Seminar-33 students (10hrs)	1
	B,Sc-II & III Assignments	
	College Exam	
	Paper setting (04hrs)	0.4
	Valuation (14hrs)	1.4
	ACTUAL SCORE	5.8

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
	ACTUAL SCORE	

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
	KJG	e ARPIT Course for Career Advancement Scheme(CAS) promotion Pedagogical Innovations And Research Methodology
	ACTUAL SCORE	10

Any Other: -



HEAD OF DEPT

AA COMMITTEE

PRINCIPAL


Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.




Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

2019-20

Name of the Department	GEOLOGY
------------------------	----------------

SECTION - I: GENERAL INFORMATION

A. Date and Year of Establishment :	1984
B. Name of Head of the Department	Dr.M.M.Deshmukh

C. Faculty (Regular & Contributory) : **Dr.M.M.Deshmukh (Regular)**
Mr.S.K.Paunikar (Regular)
Mr. K.P.Tiwari (Fix Pay)

Sanctioned	03	Filled	02 + 1(fixed pay)	Vacant	00
------------	----	--------	-------------------	--------	----

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Dr.M.M.Deshmukh	Assistant Professor	Ph.D., M.Sc.	-
2	Mr.S.K.Paunikar	Assistant Professor	M.Sc., SET	-
3	Mr.K.P. Tiwari	Assistant Professor (Fix Pay)	M.Sc.	2
4				
5				

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	N	N	N

E. Action Plan For Current Academic Year

Month	Date/Duration	Activities
July, 2019	10	Academic Session Begins
	25	Regular classes begins
July, 2019	2-7	Bridge Course (Theory and Practicals) for the students of semester III rd and Semester V th
	11	Project allocation for B.Sc. II and B.Sc. III students
	20-26	Bridge Course (Theory and Practicals) for the students of I st semester
September, 2019	5	Teachers' Day Celebration
	8	Geological society inauguration, Wall Maxine Competition and organization of guest Lectures

	27	Excursion tour/Field visit
October, 2019	16	Submissions of Practical Records and assignment of B.Sc. I
	17	Submissions of Practical Records and Project, assignment of B.Sc. II & Seminar submission & presentation of B.Sc. II and B.Sc. III
	18	Submissions of Practical Records and Project, assignment of B.Sc. III & Seminar submission & presentation of B.Sc. II and B.Sc. III
	24	Session Ends
24 October – 20 November 2019 -Winter Vacation		
November, 2019	21	Session Starts
December, 2019	5	Excursion tour/Field visit
	7-9	Assignments and Project allocation B.Sc. II and B.Sc. III students
	10-16	Bridge Course (Theory and Practicals) for even semesters
	15-19	Guest Lectures
	20-25	Excursion tour/Field visit
February, 2020	16	Excursion tour/Field visit
	22	Submissions of Practical Records and assignment of B.Sc. I
	22	Submissions of Practical Records and Project, assignment of B.Sc. II & Seminar submission & presentation of B.Sc. II and B.Sc. III
	24	Submissions of Practical Records and Project, assignment of B.Sc. III & Seminar submission & presentation of B.Sc. II and B.Sc. III
	27	Celebration of National Science Day and Organization of seminar competition of B.Sc. II
	28	Celebration of National Science Day and Organization of seminar competition of B.Sc. III
	17	Lockdown
April, 2020		

SECTION – II : HUMAN RESOURCE

No. of faculty attended FIP.	2
No. of faculty attended Refresher or Orientation Courses	Nil
No. of faculty Participated in short term courses, Capacity Building Workshops etc	2
No. of faculty members involved in curriculum restructuring/revision/syllabus development	Nil
Any attempts made towards enrichment of curriculum, if yes give details.	Nil

SECTION – III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year

Sem: Odd

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I	65.85	0	7	33	60	7.28
B.Sc. II	80.00	12.5	20.83	8.33	58.33	11.33
B.Sc. III	78.94	7	43	27	23	12.89
AVE. SCORE						10.5
M.Sc. I						
M.Sc. II						
AVE. SCORE						

Sem: Even

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I	100	30.23	60.46	6.93	2.32	19.06
B.Sc. II	100	42	48	-	10	19
B.Sc. III	100	100	-	-	-	20
AVE. SCORE						19.35
M.Sc. I						
M.Sc. II						
AVE. SCORE						

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II
Intake	40	40	40		
Admitted	43	33	41		
Demand ratio					

3. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc.

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score
July	26.06	45.88	57.71				
August	55.07	76.31	56.64				
September	63.42	53.77	58				
October	42.37	33.46	43.36				
November	-	-	-				
December	-	-	-				
January	46.23	58.5	48.5				
February	55.89	48.4	40.23				
March	53.78	16.18	36.37				
ACTUAL SCORE	48.76	47.5	46.68				

5. Measures taken to increase the attendance

Personal counseling, Counseling through Guardian Teacher.

6. E-content/reading materials developed for students

Name of the Teacher

Dr.M.M.Deshmukh
Mr.S.K.Paunikar
Mr.K.P. Tiwari
ACTUAL SCORE 36

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class	no. of beneficiaries
Dr.M.M.Deshmukh	B.Sc. I	1
S.K.Paunikar	B.Sc. I	1
ACTUAL SCORE		

8. Any attempts made by department for value education, if yes give details.

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

S/N	Name of Student	Programme	Achievements
1	Achal Bhagat (B.Sc-III -CAP)	Major mass extinctions poster presentation in Geological Wall Magazine Programme & One Day Seminar Competition on the Eve of National Science Day	1 ST Place in Poster presentation & 1st place in One Day Seminar Competition from 3 rd year.
2	Ashlesha Palkandwar (B.Sc-III -CAP)	Major mass extinctions poster presentation in Geological Wall Magazine Programme	1 ST Place in Poster presentation
3	Sakshi parkhi, Kirti tawale (B.Sc-I -PHG)	Rain water harvesting Geological Model Presentation in Geological Wall Magazine Programme	1 ST Place in Geological Model Presentation
4	Sakshi deshmukh (B.Sc-I -PHG)	Rain water harvesting Geological Model Presentation in Geological Wall Magazine Programme	1 ST Place in Geological Model Presentation
5	Aishwarya uke (BSc III PHG)	Glacial landforms Model Presentation in Geological Wall	2 nd Place in Geological Model

		Magazine Programme	Presentation
6	Ku. Supriya Arun Dongre (B.Sc.-III CAP)	One Day Seminar Competition on the Eve of National Science Day	2nd place One Day Seminar Competition from 3rd year.
7	Ku. Janhavi Prabhudas Netanrao (B.Sc.-II PHG)	One Day Seminar Competition on the Eve of National Science Day	1 st place One Day Seminar Competition from 2 nd year.
8	Ku. Shivani Sanjay Dhobale (B.Sc.-II PHG)	One Day Seminar Competition on the Eve of National Science Day	2 nd place One Day Seminar Competition from 2nd year.

10. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
field visit to Belkhed	1 day	39
field visit to Pachmari	3 days	21
field visit to Kondeshwar	1 days	34
ACTUAL SCORE		

11. Course covered (programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA- I	BCA-II	BCA-III	Total
Total no. of Units to be taught	6	6	6				18
No. of Units completed	6	6	6				18
No. of Units remained	0	0	0				0
% of Practical completed	100	100	100				100
SCORE							

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught			
No. of Units completed			
No. of Units remained			
% of Practical completed			
SCORE			

11. GIC at PG level/ Multidisciplinary approach - If Any , please specify

13. Innovative teaching practices - If Any , please specify PPT, Field Work and Memory Recalls from filed work in Lecture, Use of Charts and Geological Models, Use of Google Earth to show various Features on Earth which are discussed in Lectures.

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)

Month	Date/ Duration	Activities
July, 2019	10	Academic Session Begins
	25	Regular classes begins
July, 2019	2-7	Bridge Course (Theory and Practicals) for the students of semester III rd and Semester V th
	11	Project allocation for B.Sc. II and B.Sc. III students
	20-26	Bridge Course (Theory and Practicals) for the students of I st semester
September, 2019	5	Teachers' Day Celebration
	8	Geological society inauguration, Wall Maxine Competition and organization of guest Lectures
	27	Excursion tour/Field visit
October, 2019	16	Submissions of Practical Records and assignment of B.Sc. I
	17	Submissions of Practical Records and Project, assignment of B.Sc. II & Seminar submission & presentation of B.Sc. II and B.Sc. III
	18	Submissions of Practical Records and Project, assignment of B.Sc. III & Seminar submission & presentation of B.Sc. II and B.Sc. III
	24	Session Ends
24 October – 20 November 2019 -Winter Vacation		
November, 2019	21	Session Starts
December, 2019	5	Excursion tour/Field visit
	7-9	Assignments and Project allocation B.Sc. II and B.Sc. III students
	10-16	Bridge Course (Theory and Practicals) for even semesters
	15-19	Guest Lectures
	20-25	Excursion tour/Field visit
February, 2020	16	Excursion tour/Field visit
	22	Submissions of Practical Records and assignment of B.Sc. I
	22	Submissions of Practical Records and Project, assignment of B.Sc. II & Seminar submission & presentation of B.Sc. II and B.Sc. III
	24	Submissions of Practical Records and Project, assignment of B.Sc. III & Seminar submission & presentation of B.Sc. II and B.Sc. III
	27	Celebration of National Science Day and Organization of seminar competition of B.Sc. II
	28	Celebration of National Science Day and Organization of seminar competition of B.Sc. III
	17	Lockdown
April, 2020		

DEPARTMENT OF GEOLOGY

ANNUAL REPORT 2019-20

EVENT ORGANIZED/ INNOVATIVE INITIATIVES

- 1) Geological society inauguration, Wall Maxine Competition and organization of guest Lectures
- 2) Field visit to Belkhed
- 3) Field visit to Pachmari
- 4) Field visit to Kondeshwar
- 5) Organization of Guest Lecture on the eve of 170th Geological Survey of India establishment.
- 6) One Day Seminar Competition on the eve of National Science Day.

STUDENTS ACHIEVEMENT & PARTICIPATION



b) Students achievement:-


The Dept. of Geology has conducted **Geological Wall Magazine Programme, 2019-2020** in that poster presentation and geological model competition has been taken. In that, we have given four prizes

Sr. no.	Prize	Name of student	Topic name
Poster Presentation			
1.	I	Saurabh shende (B.Sc-I -PHG)	Updated Mohs hardness scale
2.	II	Achal Bhagat (B.Sc- III -CAP) Ashlesha Palkandwar (B.Sc-III -CAP)	Major mass extinctions
Geological Model Presentation			
3.	I	Sakshi parkhi, Kirti tawale and Sakshi deshmukh (B.Sc-I - PHG)	Rain water harvesting
4	II	Aishwarya uke (BSc III PHG)	Glacial landforms
The Dept. of Geology has conducted Seminar Competition On National Science Day 2019-2020 . In that, we have given four prizes			
Sr. no.	Prize	Name of student	Topic name
B.Sc. III			
1	I	Ku. Achal Abhay Bhagat (CAP)	Hydrological cycle and its components
2	II	Ku. Supriya Arun Dongre (CAP)	Aerial photographs and its types
B.Sc. II			
3	I	Janhavi Prabhudas Netanrao (PHG)	Soil profile

4	II	Ku. Shivani Sanjay Dhobale (PHG)	Mohrs circle
The Students from PHG group appeared in IIT-JAM examination 2019-2020 and following student successfully qualified exam			
Sr. no.	Name of student	Score	AIR
1	Akanksha P. Gawande	48	657

FACULTY ACHIEVEMENT & PARTICIPATION

B. Teachers and Students achievement:		
a) Teachers Achievement: -		
1	Dr. Mayura M. Deshmukh has awarded PhD degree in geology December 2019. Under the guidance of Dr S.F.R Khadri, on topic Petrology and Geochemistry of Asirgarh volcanic Burhanpur dist. M.P. From SGB Amravati , University.	 <p>Dr. Mayura M. Deshmukh</p>
2	Dr. Mayura M. Deshmukh has presented paper in National conference on Application of Marphometric Analysisfor geohyrollogical studies using GIS technology- A case study from Asirgarh region , Burhanpur dist. M.P. November 2019 at RTM Nagpur University, Nagpur.	
1	Mr. Saurabh K. Paunikar has presented paper in National conference on “MORPHOMETRIC STUDY OF SUB-WATERSHEDS OF WRJ-1 WATERSHED OF NARKHED TALUKA, NAGPUR DISTRICT, MAHARASHTRA USING GEOSPATIAL TECHNIQUES” November 2019 at Science College, Congress Nagar, Nagpur.	 <p>Mr. Saurabh K.Paunikar</p>
2	Mr. Saurabh K. Paunikar has attended National conference on “Challenges in Groundwater and Surface Water Resources in India” November 2019 at RTM Nagpur University, Nagpur.	

1.	Mr. Kartik P. Tiwari has completed the short term course on topic history of life and mass extinctions at SGBA University, Amravati (October 2019)	 Mr. Kartik P. Tiwari
2.	Mr. Kartik P. Tiwari has presented paper in International conference on topic Depositional Environment of Belkher Dist. Amravati in November 2019 at suresh gyan university, Rajasthan.	

Research Activities

Other

SECTION - IV : RESEARCH OUTPUT

	SCORE
A. Intake capacity	
B. No. of recognized supervisors	
C. No. of students submitted/awarded Ph.D. degree	
D. No. of registered students for Ph.D. degree	
E. No. of fellow students	
ACTUAL SCORE	

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
Minor					
ACTUAL SCORE					

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
Dr.M.M.Deshmukh	1 National				1.279					
Mr.S.K.Paunikar	1 National				1.279					
ACTUAL SCORE										

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
ACTUAL SCORE		

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
Dr.M.M.Deshmukh	N	4	
Mr.S.K.Paunikar	N	4	
ACTUAL SCORE			

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
ACTUAL SCORE		

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
ACTUAL SCORE		

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
ACTUAL SCORE			

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
ACTUAL SCORE		

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		

SECTION - V : EXTENSION ACTIVITIES**A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)**

Sr. No.	Activities	SCORE
1	field visit to Belkhed	
2	field visit to Pachmari	
3	field visit to Kondeshwar	
ACTUAL SCORE		

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
ACTUAL SCORE				

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation /	SCORE

	curriculum restructuring etc	
Dr.M.M.Deshmukh	valuation	
Mr.S.K.Paunikar	valuation	
ACTUAL SCORE		

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
ACTUAL SCORE		

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
1	Dr.M.M.Deshmukh	8
2	Mr.S.K.Paunikar	8
ACTUAL SCORE		

Dr. H. S. LUNGE
Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.



Principal
Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

Name of the Department	LANGUAGES
------------------------	-----------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	1969				
B. Name of Head of the Department	Dr. RAMAKANT V. ITEWAD				
C. Faculty (Regular & Contributory) : 03					
Sanctioned	03	Filled	03	Vacant	NIL

S.N.	Name	Designation	Qualification	Service (Yrs)
1.	Dr. R.V.ITEWAD	ASSO.PROF	M.A (MAR) M.Phil, Ph.D	19 yrs 8 m
2	P.V.BARABDE	ASST.PROF	M.A (Eng) SET	18yrs 3 m
2.	Dr. M. S. Gaikwad	ASST. PROF	M.A (M.A (Eng) M.phil, Ph.D,SET	13yrs 2 m

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	-	-	-

E. Action Plan For Current Academic Year

S.N.	Activity	Date/Duration
1.	Students' Introductory Session	1 st Week of July
2.	Examination on Bhagavad Gita	2 nd Week of August
3.	Inauguration of `Aksharparimal` a Marathi Monthly Wall Magazine	05 September-19
4	Home assignment-1	2nd Week of August-19

5	Examination on Gandhian Thoughts and Values	2 October 2019
6	Class Test I	2 nd week of October-19
	Group discussion Sessions	2 nd Week of October-19
	A Certificate Course in English Vocabulary Building	Month of October-19
	A Certificate Course in English Communication Skills	Month of January-19
	Story-Telling Competition	2 nd Week of February-20
	Celebration of Matru - Bhasha Din	21 February 20
	Celebration of Marathi Raj Bhasha Din	27 February-20
	Home assignment-2	Last Week of February-20
	Class Test II	2 nd & 3 rd Week of March-20
	Collection of Articles/ Poems/ Essays for Shiv-Smriti, a college Annual Magazine	1 March to 15 April- 20

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	NIL
No. of faculty attended Refresher or Orientation Courses	NIL
No. of faculty Participated in short term courses, Capacity Building Workshops etc	01
No. of faculty members involved in curriculum restructuring/revision/syllabus development	NIL
Any attempts made towards enrichment of curriculum, if yes give details.	NIL

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class - S/2019	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I- VVH – ENG- CS+MEB	92	10	24	32	34	12.6
B.Sc. I PVB – ENG- M + BIO	93	11	38	22	29	14.2
B.Sc. I RVI - MAR- ALL GRPS	100	47	42	7	4	18.9
B.Sc.I NRA – HIN- ALL GRPS	97	16	30	38	24	14.3
B.Sc.I VVH– SPE- ALL GRPS	96	12	28	34	26	13.6
Class - W/2019					AVE. SCORE	14.72
B.Sc. I- PVB – ENG- CS+ M + BIO	88	14	26	28	32	12.8
B.Sc. I MSG – ENG- MEB	92	6	29	30	35	12.7
B.Sc. I RVI - MAR- ALL GRPS	99	21	65	11	3	18.5
B.Sc.I NRA – HIN- ALL GRPS	93	19	32	22	27	14.4
B.Sc.I MSG – SPE- ALL GRPS	87	17	29	24	30	13.3
					AVE. SCORE	14.34
M.Sc. I	NA	NA	NA	NA	NA	NA
M.Sc. II	NA	NA	NA	NA	NA	NA
					AVE. SCORE	NA

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II	BCA I	BCA II	BCA III
Intake	500	NA	NA	NA	NA	NA	NA	NA
Admitted	476	NA	NA	NA	NA	NA	NA	NA
Demand ratio								

3. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I
NA	NA

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score
July (ENG)	76										
August	82										
September	84										
October	75										
January	79										
February	78										
March	75										
ACTUAL SCORE	10										

1. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score
July (MAR)	75										
August	80										
September	76										
October	78										
January	78										
February	79										
March	75										
ACTUAL SCORE	10										

2. Measures taken to increase the attendance - Personal counseling to the students and given the personal attention to students who are irregular in class and also counseling the students through G.T.

3. E-content/reading materials developed for students

Name of the Teacher	
1. R.V. Itewad - Notes	
2. P.V. Barabde - Notes, PPTs	
3. M.S. Gaikwad- Notes, PPTs., Videos, You Tube Links	
ACTUAL SCORE	

4. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class
1.Dr. R.V. Itewad	B.Sc I
2.Ms. P.V.Barabde	B.Sc I
4. Dr. M.S. Gaikwad	B.Sc I
ACTUAL SCORE	05

5. Any attempts made by department for value education, if yes give details.

Examinations on Bhagawad Gita, Gandhian Thought

Conducted Induction Programme in collaboration with Chemistry Department for the students of B.Sc. I, B.Voc I, BCA I, M.Sc. I

Conducted Two Courses-

1. Certificate Course in English Communication Skills (Add On Course)
2. Certificate Course in English Vocabulary Building (Value Added Course)

6. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements. - YES

7. Co-curricular activities organized for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats) - NO

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
ACTUAL SCORE		

11. Course covered (programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA- I	BCA-II	BCA-III	Total
Total no. of Units to be taught	32						
No. of Units completed	32						
No. of Units remained	00						
% of Practical completed	NA						
SCORE							10

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught	NA	NA	NA
No. of Units completed			
No. of Units remained			
% of Practical completed			
SCORE			

8. GIC at PG level/ Multidisciplinary approach - If Any , please specify

9. Innovative teaching practices - If Any , please specify

1. Mock interviews conducted
2. A Certificate Course in English Vocabulary Building
3. A Certificate Course in English Communication Skills
4. Group discussion
5. Story Telling Competition

10. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)

1. Bhagawad Geeta Test - August 20, 2019
2. Akshar Parimal Release - September 5, 2019
3. Gandhi Thoughts - October 2, 2019
4. Marathi Bhasha Din - February 27, 2020
5. Story telling Competition - 2nd Week of February-20

SECTION - IV : RESEARCH OUTPUT

	SCORE
A. Intake capacity	
B. No. of recognized supervisors	
C. No. of students submitted/awarded Ph.D. degree	
D. No. of registered students for Ph.D. degree	
E. No. of fellow students	
ACTUAL SCORE	

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
ACTUAL SCORE					

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
P.V.BARABDE	2				5.7					
ACTUAL SCORE										40

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
ACTUAL SCORE		

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
ACTUAL SCORE			

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE

ACTUAL SCORE		

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
ACTUAL SCORE		

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
ACTUAL SCORE			

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
ACTUAL SCORE		

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		

SECTION - V : EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
ACTUAL SCORE		

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
ACTUAL SCORE				

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
Dr. R . V. Itewad	Valuation	92
P.V. Barabde	Valuation	100
Dr. M.S. Gaikwad	Valuation	80
ACTUAL SCORE		27

D. Membership of academic associations

Sr.	Name of the Teacher	SCORE

No.		
ACTUAL SCORE		

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
1	Punam V. Barabde	Short term course
ACTUAL SCORE		06

h. s. lunge
Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.



Principal
Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

SESSION : 2019- 2020

Name of the Department	MATHEMATICS
------------------------	-------------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	20-06-1958				
B. Name of Head of the Department	Umesh Manikrao Patil				
C. Faculty (Regular & Contributory) : Regular-3 Contributory-0					
Sanctioned	3	Filled	3	Vacant	0

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Shri. Umesh M. Patil	Associate Prof.	M.Sc.	29
2	Dr. Vidya J.Gaikwad	Associate Prof.	M.Sc., M.Phil., Ph.D.	29
3	Dr. Vinay M. Raut	Assistant Prof.	M.Sc.,M.Ed., Ph.D.	27

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	-	-	

F. Action Plan For Current Academic Year

S.N.	Activity	Date/Duration
1	Workshop on model preparation	September 2019
2	Intercollegiate Seminar Competition	February 2020
3		
4		
5		

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	Nil
------------------------------	-----

No. of faculty attended Refresher or Orientation Courses	Nil
--	-----

No. of faculty Participated in short term courses, Capacity Building Workshops etc	Nil
--	-----

No. of faculty members involved in curriculum restructuring/revision/syllabus development	Nil
---	-----

Any attempts made towards enrichment of curriculum, if yes give details.	Nil
--	-----

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of Summer 2019 and Winter 2019 Examination.

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Section	Sem	Year	Pass%	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc.I	M	II	Sum. 19	94.11	17.19	31.25	23.44	28.13	14.25
B.Sc.I	CS	II	Sum. 19	90	6.06	24.24	25.25	44.44	12.03
B.Sc.II	M	IV	Sum. 19	92.90	29.23	38.45	20	12.3	16.05
B.Sc.II	CS	IV	Sum. 19	93.28	35.13	35.14	16.22	9.90	16.35
B.Sc.III	M	VI	Sum. 19	96.20	30.26	44.74	18.42	6.58	17.12
B.Sc.III	CS	VI	Sum. 19	96.69	38.46	20.51	20.51	20.51	15.56
B.Sc.I	M	I	Win. 19	86.15	12.5	23.21	21.43	42.86	12.18
B.Sc.I	CS	I	Win. 19	80.95	14.12	18.82	21.17	45.88	11.38
B.Sc.II	M	III	Win. 19	91.04	27.87	36.07	14.75	21.31	15.49
B.Sc.II	CS	III	Win. 19	85.58	14.61	34.83	24.72	25.84	13.5
B.Sc.III	M	V	Win. 19	80.24	13.67	43.33	25	18.33	13.72
B.Sc.III	CS	V	Win. 19	91.53	18.51	24.40	25	11.90	13.44
								Average Score	14.25

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I (M)	B.Sc. I (CS)	B.Sc. II (M)	B.Sc. II (CS)	B.Sc. III (M)	B.Sc. III (CS)
Intake						
Admitted	68	105	68	107	66	116
Demand ratio						

3. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I
Nil	Nil

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I (M)	B.Sc. I (CS)	B.Sc. II (M)	B.Sc. II (CS)	B.Sc. III (M)	B.Sc. III (CS)	AVE Score
July	57.78	55.75	69	61.00	52.66	55.66	6
Aug.	58.77	58.66	61.12	60.50	55.75	55.56	6
Sept.	59.87	61.67	60.66	59.25	54.77	54.66	6
Oct.	56.90	60.00	61.66	58.50	51.55	58.77	6
Jan.	65.15	62.12	59.25	60.50	55.58	57.25	8
Feb.	56.64	62.55	62.25	61.25	56.66	56.66	6
Mar.	58.02	61.12	61.25	58.68	58.54	57.66	6
ACTUAL SCORE	6	8	8	8	6	6	

5. Measures taken to increase the attendance

6. E-content/reading materials developed for students

Name of the Teacher	
1.	
2.	
ACTUAL SCORE 00	

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class
1.	
2.	
ACTUAL SCORE 00	

8. Any attempts made by department for value education, if yes give details. No

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

10. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title, objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
ACTUAL SCORE		00

11. Course covered (programme wise)

A.

UG	B.Sc. I (M)	B.Sc. I (CS)	B.Sc. II (M)	B.Sc. II (CS)	B.Sc. III (M)	B.Sc. III (CS)	Total
Total no. of Units to be taught	20	20	20	20	20	20	120
No. of Units completed	20	20	20	20	20	20	120
No. of Units remained	0	0	0	0	0	0	0
% of Practical completed							
SCORE							12

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught			
No. of Units completed			
No. of Units remained			
% of Practical completed			
SCORE			

12. GIC at PG level/ Multidisciplinary approach - If Any, please specify Nil

13. Innovative teaching practices - If Any, please specify Nil

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)

SECTION - IV : RESEARCH OUTPUT

		SCORE
A. Intake capacity	08	
B. No. of recognized supervisors	01	
C. No. of students submitted/awarded Ph.D. degree		
D. No. of registered students for Ph.D. degree	02	
E. No. of fellow students		
ACTUAL SCORE		

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
Nil					00
ACTUAL SCORE					00

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
Shri. U. M. Patil	01									10
Dr.V J Gaikwad	02									20
Dr. V M Raut	01									10

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
Nil		00
ACTUAL SCORE		00

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
Shri. U. M. Patil	N	02	04
Dr. V.J.Gaikwad	N	02	04
Dr.V.M.Raut	N	02	04
ACTUAL SCORE			12

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
-		00
ACTUAL SCORE		00

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
-		00
ACTUAL SCORE		00

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
			00
ACTUAL SCORE			00

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
-		00
ACTUAL SCORE		00

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
-		00
ACTUAL SCORE		00

SECTION - V : EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
		00
ACTUAL SCORE		00

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
-				00
ACTUAL SCORE				00

D. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
Shri. U. M. Patil	University Exam. Paper Valuation	2.5
Dr. V. J. Gaikwad	Uni. Exam. Paper Valuation	2.5
Dr.V M Raut	Uni.Exam . Paper Setting and Valuation	2.5
ACTUAL SCORE		6.5

F. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
1	U.M.Patil	02
ACTUAL SCORE		

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
1	Dr. V M Raut	Short Term Course
ACTUAL SCORE		

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit (2019-20)

Name of the Department	MICROBIOLOGY
------------------------	---------------------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	1982					
B. Name of Head of the Department	Dr. Mrs. C. S. Ukesh					
C. Faculty (Fix Pay & Contributory) :						
Sanctioned	3	Filled	1	Fix Pay-01 (CHB 02)	Vacant	2

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Dr. Mrs C. S. Ukesh	Associate Prof.	M.Sc. PhD	34
2	Dr. V.M.Pundkar	Fix pay	M.Sc. PhD	02
3	Dr.A.A. Gawali	C.H.B.	M.Sc. PhD	04
4	Ms. A.R.Fule	C.H.B.	M.sc.	01
5				
6				
7				

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	N	01	Enrichment Program - Online Certificate Course in Laboratory Techniques in Microbiology and Biotechnology

E. Proposed Plan For next Academic Year (2020-21)

Sr. No.	Activity	Day /Month	Date
1	Essay/ Quiz Competition	January	1st week
2	Guest Lecture	January	3rd week
3	Visit to Water Treatment plant B.Sc. III Students	January	4 th week
4	Visit to sewage treatment plant of B.Sc. III students	Febuary	2 nd week
5	Visit to CIC Shivaji Science College Amravati (B.Sc. II Students)	Febuary	3 rd week
6	Interaction with school students	March	1 st week

7	Blood grouping and Hb testing by B.Sc. II students(CLT)	March	3 rd week
8	Blood sugar testing camp	March	Any sunday
9	Microbiology Society student unit inauguration and Hands on tissue culture tech. prog.	March	Any sunday
10	Visit of B.Sc. II students to Pathology laboratory	April	Any Sunday
11	Workshop related to Health and hygiene	April	Any Sunday

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	-
------------------------------	---

No. of faculty attended Refresher or Orientation Courses	-
--	---

No. of faculty Participated in short term courses, Capacity Building Workshops etc	-
--	---

No. of faculty members involved in curriculum restructuring/revision/syllabus development	-
---	---

Any attempts made towards enrichment of curriculum, if yes give details.	-
--	---

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year S- 19

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I sem II S/19	90	28.86	53.44	17.78	11.06	17.23
B.Sc. II sem IV S/19	88.38	39	44.05	12.5	-	17.188
B.Sc. III sem VI S/19	100	50	55.8	8.5	-	20.58
AVE. SCORE						54.998

2. Result Analysis of last Academic Year - W -19

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I Sem. I W/19	94	6.6	52.25	40	12	15.28
B.Sc. II Sem. III W/19	89.5	41.25	38.33	20.41	-	16.908
B.Sc. III Sem. V W/19	97.5	58.68	38.68	5.2	-	19.486
AVE. SCORE						51.674

3. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II	BCA I	BCA II	BCA III
Intake	50	50	50	-	-	-	-	
Admitted	50	48	40	-	-	-	-	-
Demand ratio								

4. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I
-	-

5. Average Percentage of attendance of the students : (Class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score
July	68.5	54.5	64.88	62.62	-	-		-	-	-	
August	84.26	62.36	68.21	71.61							
September	86.23	48.67	66.79	67.23							
October	74.5	75.5	72.00	71.83							
January	63.33	48.5	66	59.97							
February	73.79	72.25	74.25	73.43							
March	43.46	98.48	75.55	72.49							
Total	493.97	460.26	479.18	477.80	-	-		-	-	-	
ACTUAL SCORE	477.80										

6. Measures taken to increase the attendance

Name of the Teacher
1. Dr. C. S. Ukesh - Contact to parent
5

7. Econtent/reading material developed for students

Name of the Teacher	
1. Dr. C.S. Ukesh	PPT Presentation and video and Pdf
2. Dr. A.A.Gawali	PPT Presentation and video and Pdf
ACTUAL SCORE	

8. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class
1. Dr. C.S.Ukesh	B.sc. II- Microbiology
	Th 30 (30 Hrs)
ACTUAL SCORE	Score= 3

9. Any attempts made by department for value education ,if yes give details

10. Does the department provide special guidance and help to advanced learner?if yes give name of beneficiaries(from last year)along with achivments: No

11.Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
1. visit to Water Treatment Plant and 2. Sewage Treatment Plant	5 Hrs 5 Hrs	B.Sc.- III Microbiology
3.Visit to pathology lab	5 Hrs for each group	B. Sc II Microbiology (CLTand DCLT)
4.. Avishkar 2019-2020 : i) Ms.. Ahmed Tanzeela and ii) Ms. Syed Sabbat Firdous Baggeed II Prize on the topic in Avishkar competition Topic - Safety First ,Wash Hands and Avoid Common Diseases	07-Jan-2020	B.Sc. I Microbiology
ACTUAL SCORE		2.5+2.5+2.5+ 2.5 = 10

11. Course covered (programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA- I	BCA-II	BCA-III	Total
Total no. of Units to be taught	12	12	12				
No. of Units completed	12	12	12				
No. of Units remained	00	00	00				
% of Practical completed	100%	100%	100%				
SCORE							10

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught	-	-	-
No. of Units completed	-	-	-
No. of Units remained	-	-	-
% of Practical completed	-	-	-
SCORE			

7. GIC at PG level/ Multidisciplinary approach – If Any , please specify

13. Innovative teaching practices - If Any , please specify

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)

S.N.	Activity	Date/Duration
1	Essay Competition	04-09.2019
2.	Guest Lecture by Dr. S.D.Patil and Dr.G.A.Wagh	05-09-2019
3.	Visit to Water Treatment plant B.Sc. III Students	20-09-2019
4	Blood sugar testing camp	22-12-2019
5	Blood grouping and Hb testing by B.Sc. II students(CLT)	29-12-2019
6	Interaction with Rural area/Tq Place College Students Tiosa	09-01-2020
7	Oppournities in Biotechnology – Guest Lecture by Dr. Milind Serdesai	15-01-2020
8	Microbiome Food Festival (Fermented Food Competition)	27-02-2020
9.	Guest Lecture by Dr. N.V.Firke	27-02-2020
	Score	90%

SECTION - IV : RESEARCH OUTPUT

		SCORE
A. Intake capacity	-	10
B. No. of recognized supervisors	-	01
C. No. of students submitted/awarded Ph.D. degree	-	-
D. No. of registered students for Ph.D. degree	-	-
E. No. of fellow students	-	01
	ACTUAL SCORE	-

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
-	-	-	-	-	-
					ACTUAL SCORE

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
Dr.C .S.Ukesh	02			-	5.87	-	-			5 + 5
				-		-				
										ACTUAL SCORE

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
-		-
		ACTUAL SCORE

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE

1 Dr.C. S.Ukesh	N	01	02
2.. Dr. V.M.Pundkar	N	01	02
ACTUAL SCORE			04

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
		-
ACTUAL SCORE		-

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
1. Dr.C.S.Ukesh	As a resource person	
1.Guest Lecture on Biotech at Bhartiya M V AMT(29-2-20)		02
2.Worked as subject expert in placement		02
ACTUAL SCORE		04

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
			-
ACTUAL SCORE			-

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
		-
ACTUAL SCORE		-

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
		-
ACTUAL SCORE		-

SECTION - V : EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
1.	Visit to Sewage treatment plant	05
2	Visit to Water treatment plant	05
3	Tissue culture technique explained to B.Sc. II yr Students Lalasaheb Deshmukh College, Tiosa	05
4	Visit to pathology lab (CLT, DCLT Students)	05
ACTUAL SCORE		2

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
			-	
ACTUAL SCORE				-

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
1. Dr. C.S.Ukesh	Head Dept. of Biotechnology & Microbiology	50 hrs
	Bos member of Biochemistry including Microbiology	4 hrs
	Paper Setting Bsc II Industrial Microbiology and Biotechnology	18 hrs
	Moderation	12 hrs
	Biotechnology & Microbiology Valuation	20 hrs
ACTUAL SCORE		10

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
	Dr. C. S Ukesh (AMI , IWSA, NPPA, MSI)	12
ACTUAL SCORE		10

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
ACTUAL SCORE		

C. S. Ukesh

HOD

Dr. H. S. Lunge
Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.



[Signature]
Principal
 Shri Shivaji Science College
 AMRAVATI.

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit

2019-20

Name of the Department	PHYSICS
------------------------	---------

SECTION - I: GENERAL INFORMATION

A. Date and Year of Establishment :	1958				
B. Name of Head of the Department	V. B. BHATKAR				
C. Faculty (Regular & Contributory) :					
Sanctioned	12	Filled	10	Vacant	02

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Dr. V.B Bhatkar	Asso. Prof.	M.Sc. , M.Phil. , Ph.D	36
2	Dr. W.S. Barde	Asso. Prof.	M.Sc. , Ph.D	29
3	Dr. P. A.Nagpure	Assitt. Prof.	M.Sc. , Ph.D	15
4	Dr. A. W.Asole	Assitt. Prof.	M.Sc. , B.Ed.,Ph.D	15
5	Dr. S. S. Arsad	Assitt. Prof.	M.Sc. , Ph.D	8
6	Dr. V. V. Deshmukh	Assitt. Prof.	M.Sc. , Ph.D	1
7	Dr. N. N. Sarkar	Assitt. Prof.	M.Sc. , Ph.D	1
8	Dr. P. P. Khirade	Assitt. Prof.	M.Sc. , Ph.D	1
9	Miss. S. M. Butte	Assitt. Prof.	M.Sc. , Ph.D	1
10	Dr. A. B. Bodade	Assitt. Prof.	M.Sc. , Ph.D	1
11	Dr. S. K. Sayyad	Assitt. Prof.	M.Sc. , Ph.D	1

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	Y	Y	COC

E. Action Plan For Current Academic Year

Month	Date/ Duration	Activities
July, 2019	10	Academic Session Begins
	24	National Symposium on Innovative Material and Devices (NSIMS-

		2019)
	25	Regular classes begins
July, 2019	2-7	Bridge Course (Theory and Practicals) for the students of semester IIIrd and Semester Vth
	11	Project allocation for B.Sc. II and B.Sc. III students
	20-26	Bridge Course (Theory and Practicals) for the students of Ist semester
	27	Allotment of projects to M.Sc. II students
August, 2019	1	Induction Programme and Aptitude Test for B.Sc. I students
September, 2019	5	Teachers' Day Celebration
	10	Physics Society Inauguration
	15	Induction Programme and PG Alumni Meet
	24-29	Link open for Online Submission of Assignment for B.Sc. I students
October, 2019	13	Submissions of Practical Records and Project assignment of B.Sc. III and B.Sc. II
	14	Submissions of Practical Records
	20	Submissions of Practical records and Project review reports of M.Sc. I & II
	24	Session Ends
24 October – 20 November 2019 -Winter Vacation		
November, 2019	21	Session Starts
December, 2019	1-6	Value Education Programmes
	7-9	Assignments and Project allocation B.Sc. II and B.Sc. III students
	10-16	Bridge Course (Theory and Practicals) for even semesters
	15-19	Guest Lectures
	20-25	Industrial tour/ Excursion tour/Field visit
February, 2020	4-9	Link open for Online Submission of Assignment for B.Sc. I students
	28	Celebration of National Science Day and Organization of Intercollegiate Competition for UG students on Presentation and Demonstration of Physics Experiments.
March, 2020	20	Submissions of Practical Records and Project assignment of B.Sc. III students
	26	Submissions of Practical Records and Project assignment of B.Sc. II students
	27	Submissions of Practical Records B.Sc. I students
	29	Submissions of Practical records and Project review reports of M.Sc. I & II
	30-05 April	Internal assessment examination of M.Sc.
	30	Teaching Ends
April, 2020	26	Session Ends

SECTION - II :HUMAN RESOURCE

No. of faculty attended FIP.	8
------------------------------	---

No. of faculty attended Refresher or Orientation Courses	8
--	---

No. of faculty Participated in short term courses, Capacity Building Workshops etc.	8
---	---

No. of faculty members involved in curriculum restructuring/revision/syllabus development	Nil
---	-----

Any attempts made towards enrichment of curriculum, if yes give details.	02 Add on Courses
--	-------------------

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year

Sem: Odd (W-2019)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A(in %)	B(in %)	C(in %)	D(in %)	Score
B.Sc. I	67	19	38	27	17	
B.Sc. II	89	32	38	19	0	
B.Sc. III	76	22	35	19	0	
AVE. SCORE						
M.Sc. I	19.00					
M.Sc. II	47.00					
AVE. SCORE						

Sem: Even (S-2019)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A(in %)	B(in %)	C(in %)	D(in %)	Score
B.Sc. I	64	21	36	18	25	
B.Sc. II	82	18	33	32	17	
B.Sc. III	88	11	39	20	30	
AVE. SCORE						
M.Sc. I	32.00					
M.Sc. II	55.00					
AVE. SCORE						

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II
Intake				15	15
Admitted	143	166	167	19	21
Demand ratio				1:10	

3. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc.
Nil	02

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score
July	66	59	64		61	83	
August	66	62	63		79	84	
September	67	61	64		80	85	
October	66	60	63		80	86	
November							
December							
January	66	59	63		82	86	
February	66	59	63		82	88	
March	66	59	62		83	88	
ACTUAL SCORE							

5. Measures taken to increase the attendance

Personal counseling, Counseling through Guardian Teacher.

6. E-content/reading materials developed for students

Name of the Teacher
Dr. V.B.Bhatkar
Dr. W.S. Barde
Dr. P.A.Nagpure
Dr. S. A. Arsad
Dr. V. V. Deshmukh
Ms. S. M. Butte
Dr. P. P. Khirade
Dr. N.N. Sarkar
Dr. S. S. Sayyad
Dr. A. B. Bodade
ACTUAL SCORE

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class	no. of beneficiaries
Dr. V.B.Bhatkar	B. Sc. II	90
Dr. W.S. Barde	B. Sc. III	85
Dr. P.A.Nagpure	B.Sc. I	102
Dr. A.W.Asole	B.Sc. III	80
Dr. S. A. Arsad	B. Sc. II	90
Dr. V. V. Deshmukh	B.Sc. III	85
Ms. S. M. Butte	B.Sc.II	90
Dr. P. P. Khirade	B.Sc.II	90
Dr. N.N. Sarkar	B.Sc.I	102
Dr. S. S. Sayyad	B.Sc.I	102
Dr. A. B. Bodade	B. Sc. II	90

8. Any attempts made by department for value education, if yes give details.

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

S/N	Name of Student	Programme	Achievements
1.	Miss SiddhaliChawareB.Sc. III	seminar competition	secured first position in the state level seminar competition held at J.B. Science College, Wardha (19/03/2019).
2.	ChavanShende KomalPusadkar Khushali Kale B.Sc. II	NIUS-Physics exposure camp	participated in NIUS-Physics exposure camp held at HBCSE, TIFR, Mumbai.
3.	AchalBhagat, Ashleshapalkhandwar, Sakshiparkhi, KirtiTawale, SakshiDeshmukh, AishwaryaUke,	Geological Wall Magazine Program	First prize, Department of Geology Shrishivaji science college, Amravati.
4	SanjanaDonadalkarB.Sc..III SakshiBhakare B.Sc. I	Demonstration of Physics Experiment	First Prize, Department of PhysicsShrishivaji science college, Amravati.
5.	Nikita Dhange ChavanShende SanjanaDondalkar KalyaniChunade	MIMANSA-2020	participated in MIMANSA 2020, A national competition held IISER, Pune
6.	SohailShaikh	AAVEG-2020 Quiz competition,	First Price, Quiz competition, Ambedkar college, Nagpur
7.	HarshaDeshmukh	Quiz competition	Participated, GS Tompte college, chandur bazar.
8.	NainaChainani M.Sc I	University level seminar competition in Physics	Second Prize, PhulsingNaikMahavidyala, Pusad.
9.	SanketKorde	NSIMD-2020	Participated
10.	Ms.SharmeenSayyad,Ms.GouriWankhade, Ms.PradhnyaPawar, Mr.SanketKorde M.Sc. I	National Level Competition	participated in 2 nd stage of National Level Competition for Science Students conducted by IIT, Kharagpur at Hyderabad.

10. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
National symposium on innovative materials and devices (NSIMD-2020)	June-2019	
Short Term course on Material Synthesis and Charactrizations	9 December 2019	38
National Science Day	28 Feb 2020	40
Educational Tour	TIFR Mumbai, 23Jan 2020	27
ACTUAL SCORE		

11. Course covered (programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA- I	BCA-II	BCA-III	Total
Total no. of Units to be taught	6	6	6				18
No. of Units completed	6	6	6				18
No. of Units remained	--	--	--				--
% of Practical completed	100	100	100				100
SCORE							

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught	20	20	40
No. of Units completed	20	20	40
No. of Units remained	--	--	--
% of Practical completed	100	100	100
SCORE			

11. GIC at PG level/ Multidisciplinary approach -If Any , please specify

13. Innovative teaching practices - If Any , please specify

14. Extent to which Action Plan executed (IN%) (Enlist the activities with date/s)

DEPARTMENT OF PHYSICS
ANNUAL REPORT 2019-20

EVENT ORGANIZED/ INNOVATIVE INITIATIVES

Short Term Course on Material Synthesis and Characterizations

An enriched short term course on **Material Synthesis and Characterizations** for postgraduate and research students was organized by Department of Physics during 09th to 14thDecember, 2019.

The sessions were held on material synthesis by the faculty members of the department followed by the hands on training in the laboratory on first three days.

The next three days were totally devoted for the material characterization and analysis at CIC of the college.



Feb 29, 2020

Report-on competition on Presentation and Demonstration of Physics Experiments :-

A competition on Presentation and Demonstration of Physics Experiments was organized on 29th feb,2020 by the Physics Department in collaboration of Amravati University Physics Teachers Association (A.U.P.T.A.)

In an inaugural ceremony ,Dr. V.B. Bhatkar ,Head of Department of Physics delivered an introductory speech. Dr.V.G. Thakare, the Principal and an inaugural of the function delivered the presidential speech on the occasion. Dr.W.S.Barde the convener of the competition was present on hedia. The Vote of thanks was offered by dr. P.A. Nagpure.

From B.Sc. First year category total 16 students participated , 18 students From B.Sc. second year category total 1 students participated From B.Sc. final year category total 11 students participated in the competition .

Session 1 which includes the experimental presentation ,immediately followed by inaugural ceremony. Parallel sessions were arrange in A.V. Theatre and Physics laboratory of the department with a strong team of juries (referees) which includes Prof. NarendraThakare, Dr A W. Asole , Dr. S.J. Uke ,Dr .J.T. Ingale ,rendered their services and deed the job very sincerely and punctually and earnestly.

Session 2 The demonstration of the Physics experiment was arranged in session 2.The laboratory arrangement was shouldered by Dr. Bodade madam, and Dr.S.S.Arsad, for B.Sc.I, Dr.Shahin and Dr.W.S. Barde for B.Sc. second year. Dr.P.A.Nagpure and S.M. Butte for B.Sc. final year laboratories.



For B.Sc. final category,

Miss. SanjanaDondalkar of ShriShivaji science college, Amravati bagged the first prize

Miss Samruddhi Mule of R.L.T. college of Science .Akola ,was awarded with ,second prize

In B.Sc. second year category,

Mr. Ganesh Sahatrabudde of Shivaji college Akola ,bagged the first prize

Miss Deepika Sharma of M.S.P. Sci. college Manora, Dist. Washim was awarded with second prize..

In the B.Sc. first year category

Mr AakashSuradkar from ShivajiCollege ,Chikhali, dist .Buldana bagged the first

ku.SakshiThakare of ShriShivaji science college ,Amravati bagged second prize.

The cash prize and the certificate distribution was held during the valedictory function in the honored presence of Dr.S.K.Omanwar ,B.R.S. Fellow ,Former Professor and H.O.D. Department of Physics. S.G.B.A.U. Amravati .Dr.P.A.Nagpure proposed the vote of thanks at the end of the program.

Students Group Projects on Experiments (2019-20)

Name of the student 1	Name of the student 2	Name of the student 3	Group	Title of the Experiment	Video of the experiment
DhirajkumarGajanaraoShende	RohitkailashRathod	.	PCM	To determine miller indices using x-ray diffraction method.	https://drive.google.com/file/d/1AOjyRyCQeh4zxilumzkowAfHoMfgT1d1/view?usp=sharing
AratiTamkhane	KhushbuThakur	Bhargavishwekar	PCM	To Find Temperature coefficient of Resistance For platinum, Using The platinum Resistance Thermometer	https://drive.google.com/u/3/open?usp=forms_web&id=1kSgNd-cowovHLgvr1zeEiW_BPc5tE1
Ku. ShubhangiGajananKhade (2436)	Ku. DarshanaShrikrushnaKawalkar(2435)	Ku. Sneha J. Kashyap(2434)	CAP	To determine the susceptibility of paramagnetic sample by using quincks tube method.	https://drive.google.com/u/3/open?usp=forms_web&id=1drO4sPuUQ7U32DaY4AiWOKeNjJ8YLeBa
BhagyashriMadhukarThakre	ShrutiTayade	Sayalirakhonde	CAP	To determine magnetic parameters from B-H hysteresis loop	https://drive.google.com/u/3/open?usp=forms_web&id=14J3ITdnLUPGpcg70pdVkWnBbPKOe381w
MonikaNarolkar	AboliWankhade	SimranKhan	CMP	To find Miller indices of cubic crystal using the x ray diffraction pattern	https://drive.google.com/u/3/open?usp=forms_web&id=1RJ5MWhBtBSe5Hr4rIXSPdUi9XbCuXUDo
KalyaniNanasahebChunade	ShivaniChaudhari	Vaishnavichavhan	PCM	To determine temperature coefficient of resistances for platinum using platinum resistance thermometer	https://drive.google.com/u/3/open?usp=forms_web&id=1mAVMmDEUFab6Dm4A2SQJT1KeV921qBQh

GopalDeokate	Swarajumale	Saurabhk okare	CAP AND CAM	Quinkes tube method	https://drive.google.com/u/3/open?usp=forms_web&id=1OU7PkkGUmrAT-Bbjr-kZDNwr_4n9CosX
Dhanashri Kale	ReshmaRathod	NA	CMP	Study Characteristics of Photocell and to find the value of Planck's constant.	https://drive.google.com/u/3/open?usp=forms_web&id=1nAMPXZdLVLrUoyMe1FWXh6j3mzEvMkep
Vaishnavi R. Kale	Pranali S. Kamalpure	Nisha P. Kewate	PCM	to find the miller's indices of cubic crystal Cdo by using X-ray diffraction film.	https://drive.google.com/u/3/open?usp=forms_web&id=1q8TIWMKoeEOTmsL9m7OBs58LQ-XuN2ikP
BhargaviNarsekar (2147)	PratikshaPalas pagar (2148)	VasundharaPawar (2149)	PCM	To determine activation energy of thermistor	https://drive.google.com/u/3/open?usp=forms_web&id=1UN_4tMK0_xdAJU_zNRMI4_dc_7N0dGWQ
Mayuri D. Lonkar(2337)	Rashi A. Goyal(2330)	-	CMP	To determine magnetic susceptibility of solid sample using Gouy's method.	https://drive.google.com/u/3/open?usp=forms_web&id=1lqeJxO1T84-DSiE3blo6g_hori7zi984
KunalSawarkar	SarveshSune	Rohit Thakur	CAM	To determine the magnetic Susceptibility of solid sample using Gouy's method	https://drive.google.com/u/3/open?usp=forms_web&id=1gVAUTR5XqAmt2Sk2pEC9etCAVGu_1z9b
ANCHALI SOMASEKHARA N PILLAI	PRITI SOPANRAO PAUL	NEHA SANJAY PATINGE	CAM	Experiment to determine the Energy Gap of Semiconductor by Four Probe Method.	https://drive.google.com/u/3/open?usp=forms_web&id=1t0Es3EsmFcKfd2G4H4LKVdyF36bK8U6w
SamikshaBansod (2202)	RadhikaBobade (2203)	Anjali Dahiwele (2204)	PHG	To determine the magnetic susceptibility of a solid sample by Gouy's method	https://drive.google.com/u/3/open?usp=forms_web&id=1NSFqsN5Xn_DhXoNLYTITgK9blh2cbAYF
KalyaniMalpani	KalyaniLipte	Prajakta Madakwade	PCM	Determination of velocity of ultrasonic wave in liquid	https://drive.google.com/u/3/open?usp=forms_web&id=1rrRPJYebgfdvO6-lpuUhwCJQCsuNIlwK
NinaarShailesh Sharma (2155)	ManishaVinod Talan (2158)	ArpitaAm badasShel ke (2156)	PCM	To determine the energy gap of semiconductor by four probe method.	https://drive.google.com/u/3/open?usp=forms_web


					b&id=1o2W5VeaK2ghLRVEkcCh7qf1buGnbKOU1
PRATIK A SONTAKKE (2347)	NIKHIL G SONWAL	SHAILESH R BAWANE (2327)	CMP	To study the variation in thermoemf with temperature and to determine the thermoelectric power of given thermocouple	https://drive.google.com/u/3/open?usp=forms_web&id=1Rrb0CpvzBmSoVgP7lvCqfjg30NutaTQ
PRATIK A SONTAKKE (2347)	NIKHIL G SONWAL (2348)	YASH M REWSKAR (2344)	CMP	TO STUDY THE VARIATION IN THERMOEMF WITH TEMPERATURE AND TO DETERMINE THE THERMOELECTRIC POWER OF GIVEN THERMOCOUPLE	https://drive.google.com/u/3/open?usp=forms_web&id=1MzQmGtHje5Me2RluY-8zQStb3mxYRHU6
ShrutikaAgrawal	AishwaryaBhopale	VaishnaviBurghate	CAM	To find the activation energy of a Thermistor	https://drive.google.com/u/3/open?usp=forms_web&id=1W1BQRNHlQMsaSBuahlyJ-zFKgksQlx
Darshan B. Kalmegh (2335)	Harshad D. Kalaskar (2333)	Prajwal P. Kadu (2332)	CMP	To determine the energy gap of semiconductor using reverse biased semiconductor diode.	https://drive.google.com/u/3/open?usp=forms_web&id=1vqb9cPHvZEBjfuenKb6zmb6s6S6JOUFG
Shrutika p. Deshmukh	Vaishnavichaudhari	No	CAM	To determine the energy gap of semiconductor for prob method	https://drive.google.com/u/3/open?usp=forms_web&id=1XkgDkS3EulyvotWaq7JQEmlY19QDH86t
PayalSubhashraoPohankar	VrushaliDilipPande	Ashlesha Sanjay Palkandwar	CAP	To determine the Fermi energy of copper using meter bridge.	https://drive.google.com/u/3/open?usp=forms_web&id=1fRRzCNOgfVF1950Goem17cuk7UwrcYeq
Harshad Ingle	KameshJaiswal	SwapnilKhandare	PCM	To determine energy gap of germanium by four probe methods	https://drive.google.com/u/3/open?usp=forms_web&id=1bgz4wQoXlJRvpUfQ0rhRUXY_s6GzCph
AartiTamkhane	Khushbu Thakur	Bhargavishwekar	PCM	To Find Temperature coefficient of Resistance For platinum resistance, using the platinum resistance thermometer	https://drive.google.com/u/3/open?usp=forms_web&id=1bMbC3EstEiatEC2AJwM7oG5WCI7UcGt
Gauri P. Dhole	Snehal S. Gawande	Manasi S. Nimje	CAM	To determine the energy gap of semiconductor by using semiconductor diode	https://drive.google.com/u/3/open?usp=forms_web&id=1zSSJd3xpvNoxhh6PF4JD0XNoxhh6PF4JD0Xwuj57zcKkd

Sampadadesh mukh	Samrinshekh	Harshada tekade	CAM	To study variation of thermoemf with temperature thermoelectric power for given thermocouple and to determine the	https://drive.google.com/u/3/open?usp=forms_web&id=1zcAenA8qnC1VSgT3yFhxqnY4yP7uycoI
TaniyaMorkhade	SnehalMohod	-	PCM	Quinck's tube method	https://drive.google.com/u/3/open?usp=forms_web&id=1uiroZP6UwhgWtM3Gy3CMdmwld9c7SKU_N
SamikshaBansod (2202)	RadhikaBobade (2203)	Anjali Dahiwele (2204)	PHG	Gouy's Method	https://drive.google.com/u/3/open?usp=forms_web&id=1ixgVXRc1QP4i2o56-431ULbh4C6EmUK-
Darshan S. Bobade	T. Deepakraj R. Thottiappan	SourabhKokare	CAM	Determination of Ultrasonic Velocity in Liquid	https://drive.google.com/u/3/open?usp=forms_web&id=1Ba8iB-NORhL0pD0UBboP4HQqT8aNzeze
GayatriLakade	RutujaMasaldi	-	PHG	BH curve	https://drive.google.com/u/3/open?usp=forms_web&id=1-GcTb8y6IUWVPTD-0lmHm9FPiCcHLF4j
Divya P. Borkhade	Sneha S. Chaudhari	AnujaDev tale	CAM	Gouy's Method	https://drive.google.com/u/3/open?usp=forms_web&id=1EmrcDmMEfH1acpgfCQFipdAQq9YKDUcu
RushikeshBurg hate	JaratBobade	JaipalChanda	PCM	To determine energy gap of semiconductor by four probe method	https://drive.google.com/u/3/open?usp=forms_web&id=1CadGw80ek3wGN1SjY69ylz_NlzMgG0sY
Dhananjay Ashok Kuralkar	VedantAbhijit Mahajan	GopalBhauraoKoradkar	PCM	To determine curie temperature for ferromagnetic material	https://drive.google.com/u/3/open?usp=forms_web&id=10EEvAYg63KUNgiwJK_EiUqTMK6AjrRfw
Vinay D. Wagh	Sakshi M. Wasankar	Mahima V. Bende	CAP	To determine the Fermi energy of copper	https://drive.google.com/u/3/open?usp=forms_web&id=1wXj8phTgpl6ofp4lKre5CsldqWEy2YPE

Bhagyashri C. Thorat	Sakshi M. Wasankar	Vinay D. Wagh	CAP	To determine the Fermi energy of copper	https://drive.google.com/u/3/open?usp=forms_web&id=1gCRoLoqXJjnmq9m8VMqmhBkAT9tbvK8
GauravDongar dive (2122)	Rajesh Giri (2126)	SumitInglar (2128)	PCM	To determine the fermi energy of copper wire using meter bridge.	https://drive.google.com/u/3/open?usp=forms_web&id=1ycAyjEvECcMzkWdwjgv8qw53ckal8vH
Rutuja Mohan Dev	KiranDahake	JuieDesh mukh	PCM	To study the magnetic susceptibility of solid using the guoy's method	https://drive.google.com/u/3/open?usp=forms_web&id=1DYbG00HXzCEzYewO_rhws2kv-M4YRpO
Shekhshekhsohilshekhura	Rohitanilkalmegh	Prajwalpralhadraakadu	CMP AND CAM	Quinckes tube method	https://drive.google.com/u/3/open?usp=forms_web&id=1ND3Jjyiro95YymRYio9klySguBxL6vVM
ShivaniSurenraAdsad	Monika Ambekar	Vaishnavi P. Band	PCM (GROUP 1)	To determine Activation Energy of Thermistor	https://drive.google.com/u/3/open?usp=forms_web&id=1iw728N0pmg8WH9_nsapZize6yL4rHXO1
HARSHADA NANDKISHOR GAWALI	MayuriKailash Gawande	Shubhangi Sanjay Ghuikar	PCM	To study of hysteresis loop of a ferromagnetic material	https://drive.google.com/u/3/open?usp=forms_web&id=1tedxcApNsykmdeFJrClOfKY9MPw57mP
Mayurimulxhandbhamburkar	Nikita sureshraobhande	Radhikarajendraobhasme	BSc 3 SEM 6 PCM	The energy gap of semiconductor using reverse biasd semiconductor	https://drive.google.com/u/3/open?usp=forms_web&id=19P1NtOcgwRAjixa-95lbXKI-Up23y0mr
SonaliGujar	HarshadaKadu	PriyankaJarande	PCM	To determine curie temperature of ferromagnetic material	https://drive.google.com/u/3/open?usp=forms_web&id=1RXDrmhwl1fTZHxJrdDDvlj83PaKfEqH5
AchalBhagat - 2426	SnehalWalmikrao - 2398	NandiniUmap - 2399	CAP	To study the charecteristic of photo cell and to find the value of plank's constant	https://drive.google.com/u/3/open?usp=forms_web&id=1k1hU09xINcUiMG1NGHJS3f5Y2DbisK7Q
Akshay Suresh Wadatkar (2218)	Shrikantroshanpali (2212)	avianshkeshavagha (2201)	PHG	Determination of velocity of ultrasonic wave in liquid	https://drive.google.com/u/3/open?usp=forms_web&id=1mLB61COqZFoO2x2k83rii_i3j5SjmuDV

Field Visits 2019-20

Report: Visit to TIFR Mumbai



SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SHRI SHIVAJI SCIENCE COLLEGE
 (Accredited by NAAC with "A" grade, A College with Potential for Excellence)
 Shivaji Nagar, Marathi Road, Amravati-444603, M.S.

Founder : Dr. Parajitran Alias Bhaskarshah Deshmukh
 President : Hon'ble Shri. Harshavardhan Deshmukh
 Principal : Dr. V. G. Thakre
 E-mail : shivajiedu@rediffmail.com Website : www.shivajiedu.org
 Off. : (0721) 266835, Res:(0721) 2551400, 2551310, Fax : (0721) 2663485

Ref _____ Date: 17.1.2020

To,
 Public Relation Officer,
 TIFR, Mumbai

Subject: Seeking permission for student visit at TIFR.

Dear Sir,

The students of M.Sc. Physics, Shri Shivaji Science College Amravati (MS) would like to visit at your renowned research institute. I am writing this mail for seeking the permission to visit at TIFR.



Tata Institute of Fundamental Research is a premier research institute in the country working in the areas of basic sciences encompassing most fields in Physics, Mathematics, Chemistry and Computer science.

We would like to visit DNAP and Pelletron / LTF facility in TIFR. Dr. Mohd. Atiqur Rehman, Department of Nuclear and Atomic Physics - DNAP, is ready to guide us during our visit at TIFR. We intend to give an opportunity to our M.Sc. students to witness the actual working of the institute. This visit will be definitely beneficial for students and faculty for their future research and academic endeavors.

I would like to share that we are planning this visit at Mumbai on 24th January 2020 (Morning). There will be 25 students of M.Sc. Physics and two faculty members. I assure you that the students and faculty will follow all the instructions given by you and will not disturb the regular functioning of the Institute.

I hope you will allow us the opportunity to visit your institute and meet the researcher at TIFR. The list of students and accompanying faculty members is attached with this mail.

I anticipate a positive response from your end.

Principal
 Shri Shivaji Science College,
 AMRAVATI.

An Educational tour and visit to the research laboratory at Tata Institute of Fundamental research (T.I.F.R.), Mumbai was arranged during 23rd to 24th January 2020.

List of faculty and students and their contact numbers wish to visit at TIFR

Sl. No.	Name of Faculty/Student	Designation	Contact No.
1	Dr. Pankaj Nagare	Associate Professor	9404376910
2	Dr. Swapnil Arad	Assistant Professor	9403201758
3	Anuradha Kapur	Student M.Sc.II	9730296503
4	Anurag Ajitve	Student M.Sc.II	9604115645
5	Edwari Thakare	Student M.Sc.II	8308652152
6	Gauri Washude	Student M.Sc.II	8805472607
7	Madhuri Nopah	Student M.Sc.II	7020166227
8	Hadiya Khan	Student M.Sc.II	7330827943
9	Om Gungkar	Student M.Sc.II	9156414898
10	Pooja Washude	Student M.Sc.II	7264917471
11	Pooj Himbhorkar	Student M.Sc.II	7559246039
12	Pradiya Pawar	Student M.Sc.II	9730713794
13	Sharmam Sayyad	Student M.Sc.II	9495614626
14	Sanket Dhanwate	Student M.Sc.II	9763370087
15	Sanket Korale	Student M.Sc.II	8708602636
16	Aditi Shewakar	Student M.Sc.I	9532714515
17	Ranul Gajrekar	Student M.Sc.I	8807671671
18	Naina Chaurani	Student M.Sc.I	7218750556
19	Neha Bramankar	Student M.Sc.I	9970521963
20	Vishal Nukam	Student M.Sc.I	9637833214
21	Vaishnavi Melange	Student M.Sc.I	8336798382
22	Dhyanajoy Gawali	Student M.Sc.I	7038591796
23	Uroosa Khan	Student M.Sc.I	7378798465
24	Ambika Senar	Student M.Sc.I	8552831721
25	Harsha Deshmukh	Student M.Sc.I	8669773624
26	Pratibha Kulade	Student M.Sc.I	9532714515
27	Siddhali Chawara	Student M.Sc.I	7888163010

18/1



National Symposium on Innovative Materials & Devices (NSIMD-2019) 24-25 June 2019

Organized by
 Department of Physics
 SantGadge Baba Amravati University, Amravati &

REPORT

The objective of this National Symposium on Materials and Devices was to provide an intellectual forum for exchange of knowledge and information in relation to latest developments in the field of Material science and devices and to encourage the students to carry out the research in this field. In all 155 delegates, research scholars and P.G. students were registered and participated for the symposium.

The inaugural function of this two days symposium was held on 24th June, 2019, 11 am at the AV theatre of SantGadge Baba Amravati University Amravati. Symposium was inaugurated at the hands of renowned scientist, Hon'bleDr.ShekharMande, Secretary, DSIR & Director General CSIR, New Delhi .Dr.MuralidharChandekar, Hon'ble Vice-Chancellor of SantGadge Baba Amravati University, Amravati presides over the Inaugural function. Prof. Dr. S.V. Moharil, EX-Head PGTD, RTM Nagpur University, Nagpur, Dr. KVR Murthy President of Luminescence Society of India were the guest of honor for the inaugural function. Dr. V.G. Thakare, Principal, ShriShivaji Science College, Amravati

Dr. T.R. Deshmukh, Registrar, S.G.B.A.U. Amravati and Dr. S.K. Omanwar, Professor and Head, Department of Physics, S.G.B.A.U. Amravati, were present on the dais on this occasion. The inaugural ceremony was preceded with the PratimaPujan& felicitation of honorable dignitaries. Dr. S.K. Omanwar introduced the guests and deliver introductory speech about the symposium.

The souvenir of symposium was released by the honorable dignitaries on the dais. Inaugural session was concluded by Dr. S.A. Waghuley, Convener NSIMD-2019 who gave vote of thanks and expressed his gratitude to everyone for being part of this grand intellectual gathering. The inaugural session was followed by the key note address of Dr.ShekharMande on 'Technological developments in India' and Dr. S.V. Moharil on 'Advance Materials for the application'. Session was chaired by Dr. V.B. Sapre, Ex-Head Department of Physics, RTM University, Nagpur .Then there were two slots of parallel sessions after lunch. In which ten invited talks were delivered by renowned researchers from all over India. One industrial talk was delivered by the representative of Lab India Pvt. Ltd. Mumbai. Invited talks were followed by parallel poster presentation session where around 100 papers were presented.

Second day of the symposium was held at ShriShivaji Science College, Amravati. The day was begun with an invited talk by Dr.BhushanDhabekar, BARC, Mumbai followed by the paper reading session in which ten papers were presented in various disciplines of material science and devices. The next session was special session, named Dr. K.G. Deshmukh memorial lecture, delivered by Dr. S.H. Pawar, senior scientist and Ex-VC of D.Y. Patil University, Pune. After this special session there were two more sessions in which four invited talks were delivered by the eminent researcher.

The symposium was concluded with the valedictory function at 5.00 pm on 25th June, 2019, chaired by Principal, Dr. V.G. Thakare, Dr. Rajesh Jaipurkar, Pro-VC, S.G.B.A.U. Amravati was the chief guest. Dr. G.V. Patil, Dr. M.K. Khedkar, Ex-CVs, S.G.B.A.U. Amravati and Dr. F.C. Raghuwanshi, Dean, Faculty of Sciences and Technology, S.G.B.A.U. Amravati were the guests of honor. Dr. P.A. Nagpure, Organizing Secretary, NSIMD-2019 presented the overall figures and facts of the two days of symposium.

Three participants gave the feedback for the event in the valedictory function. Honorable guests express their thoughts and congratulate the organizers for the grant successes of the organizers.

The valedictory function was concluded by Dr. V.B. Bhatkar, Convener NSIMD-2019 who gave vote of thanks and expressed his gratitude to everyone for their support, cooperation and participation in this grand intellectual event.

REPORT ON International Web Conference on Science, Engineering and Technology (IWCSET-2020) HELD ON 15TH -16TH MAY 2020.

Society for Technologically Advanced Materials of India (STAMI) has organized an International Web Conference on Science, Engineering and Technology (IWCSET-2020) recently on 15th & 16th May 2020 in association with Shri. Shivaji Science College Amravati, Dr. Ambedkar College, Nagpur, Jhulelal Institute of Technology, Nagpur, Shri. Dnyanesh Mahavidyalaya, Nawargaon, (M.S.) Indian, Society for Technical Education (ISTE), Society for Green World and Sustainable Development, Jhansi, J. T. Mahajan College of Engineering, Jalgaon, Indian Association of Physics Teacher, Dr. Rajendra Ghode Institute of Technology & Research, Amravati, AI and Cognitive Science & Learning Academy and Cretille.

IWCSET-2020 an initiative towards scientific deliberation amid lockdown, quarantine and social distancing. This Web Conference was organized with the intention to provide a platform to propagate original research work of academicians, researchers and students on Science, Engineering & Technology. It encompasses deliberations in Physical, Chemical, Biological & Engineering Sciences and Technology.

The conference has 3476 registered delegates from across the globe, 40 invited speakers and more than 360 oral & poster presentations. The conference had 964 deliberations in Physical Sciences, 623 in Chemical Sciences, 1125 in Biological Sciences and 764 deliberations in Engineering & Technology.

The conference was inaugurated on zoom platform and broadcasted live on YouTube. Dr. K. G. Rewatkar, Chairperson IWCSET2020 delivered the opening remark. He stated that STAMI had organized 15 national and international conferences in India, 6 off-shore International conferences and this was the First Web Conference and was a huge success from participation and deliberation point of view. The Principals and Management members of various associate colleges presented brief introduction of their college and expressed their pleasure on this association. The foremost amongst them were Dr. V. G. Thakare, Principal, Shri Shivaji Science College Amravati, Dr Suresh Bakare, Principal Shri Dnyanesh Mahavidyalaya, Nawargaon, Dr. Narendra Bawane, Principal, Jhulelal Institute of Technology, Dr. Pramod Patil,

Principal, Dr.RajendraGhode Institute of Technology & Research, Amravati, Dr. R. D. Patil, J T Mahajan College of Engineering, Jalgaon&Dr. H. D. BhartiyaJhashi.

Dr.DebashishBhowmick, Convener-IWCSET2020 introduced Dr.Pratap Desai, President, Indian Society of Technical Education(ISTE), and the Chief-Guest of inaugural function. He addressed the gathering saying that in this pandemic situation where the whole world is at stand still, it is for Science and Technology to join hands for a sustainable future ahead. He further said that Science & Technology are complimentary to each other and cannot grow in isolation. He emphasized that now-a-days it is the time to revive ancient Indian concept of VasudevKutumbakam, where the whole world is one village without any geographical barrier.

In two days deliberations four technical sessions dedicated to each faculty were conducted. Key note address was delivered by President of STAMI Dr. R. P. Tandon, live from New York, USA. On Day 1, 15th May 2020, two parallel sessions on Chemical and Physical sciences were broadcasted from 11:00 am to 3:00 pm. Technical Session-1 dedicated to Chemical Sciences was coordinated and conducted by Dr DhanashriBorikar and Mohan Borikar where in invited speakers Prof. Cyril Bressey, France, Dr Vishal BhartiPortughal, Dr NitinLabhsetwar, Chief Scientist and Head ERM division NEERI, Dr Dinesh Rangappa, Banglore, Prof S J Dhoble, Dr.RavinJugade ,India shared their views in the webinar. More than 900 delegates registered from all over the country in chemistry and physics.

Technical Session-1I, dedicated to Physical sciences was conducted by Dr K G Rewatkar, Dr Ajay Lad and Dr N S Meshram. Invited speakers Prof JinhuaHao, Hongkong, Dr Nanda Gunawardhana, Dr.Sujit Christy, Sri Lanka, Dr Vishal Sharma USA, prof R Jotania and Prof Pius Augustin,Indiadelivered lectures in the Web Conference.

On Day 2, 16th May 2020, two parallel technical sessions on Biological and Engineering sciences were broadcasted from 11: 00 am. to 4: 00 pm. Technical session I- dedicated to Biological science was conducted by Dr Suresh DVNS and Dr.Mrs.Vasanti K Rewatkar Organizing Secretary, IWCSET-2020 . Invited speakers were Dr.NishikantWase, USA, Dr. Raymond Andrew, Singapoore, Dr.Rajkumar Gupta, Miss. MeghaAgarwal, Prof. MukundSherkar from India delivered Invited talk.

Technical Session-1I, dedicated to Engineering and technology, Dr K G Rewatkar and Dr D Bhoumik conducted the Engineering and technology session. Invited speakers Prof AjitKhosla, Japan, Prof K K. Bamzi, Dr.AjitMahapatra, Dr.Sanjeev Sharma Engg.ParagGulhane, Banglore delivered their lectures. During all the technical sessions after the invited talks, **pre recorded oral and poster presentations** scrutinised by the jury were broadcasted on YouTube. Overwhelming repose was received by the participants from India and abroad for the Web Conference. All the technical support was provided by Dr.Indrani Das Sharma and Dr.Nishit Jain. Dr.LalitUjede, and Mr.HemantMeshram , Assistant Professors, Shri. DnyaneshMahavidyalaya, Nawargaon worked as Executive Members in this IWCSET2020.



In the valedictory program of IWCSET-2020, at 4:30 pm, Chairman Dr K G Rewatkar and Convenor Dr D Bhowmick extended their heartfelt gratitude towards all the associate institutes and the invited speakers, coordinators of science and Engineering faculties and the delegate participants from all over the country.

Head, Dept of Physics

SECTION - IV :RESEARCH OUTPUT

		SCORE
A. Intake capacity	12	
B. No. of recognized supervisors	04	
C. No. of students submitted/awarded Ph.D. degree	02	
D. No. of registered students for Ph.D. degree	01	
E. No. of fellow students	00	
ACTUAL SCORE		

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status(ongoing/completed)	Outlay(Lack)	SCORE
Minor	Dr. WS Barde	UGC	ongoing	2.62	
ACTUAL SCORE					

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
Dr.VBBhatkar	07			198	3.779		6			
ACTUAL SCORE										

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE

Dr. VB Bhatkar	02	
ACTUAL SCORE		

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
Dr. WS Barde	N	02	
Dr. PA Nagpure	I+N	01+01	
ACTUAL SCORE			

J. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
ACTUAL SCORE		

K. Awards/recognitions/chaired session by faculty/faculty as a resource person(give details)

Name of Teachers	Awards/recognitions etc	SCORE
ACTUAL SCORE		

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
ACTUAL SCORE			

M. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
ACTUAL SCORE		

N. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		

SECTION - V :EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
ACTUAL SCORE		

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE

ACTUAL SCORE

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
ACTUAL SCORE		

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
ACTUAL SCORE		

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
ACTUAL SCORE		



Head
Department of Physics



Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.

IQAC Co-ordinator




Principal
Shri Shivaji Science College
AMRAVATI.

Principal

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI 2019-20

Fact Sheet of Department for Academic & Administrative Audit

Name of the Department	STATISTICS
------------------------	------------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	1988				
B. Name of Head of the Department	Dr. S.V. Choudhari				
C. Faculty (Regular & Contributory) :					
Sanctioned	04	Filled	04	Vacant	NIL

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Dr. S.V. Choudhari	Asso.Professor	M.Sc. Ph.D	34
2	Sh. N.S. Makeswar	Asso.Professor	M.Sc.	30
3	Dr. H.S. Lunge	Asso.Professor	M.Sc. M.Phil Ph.D	32
4	Dr. U.V. Kale	Asso.Professor	M.Sc. Ph.D	28

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	N	Y	B. VOC Degree course will start from the coming session

E. Proposed Action Plan For Next Academic Year 2020-21

S.N.	Activity	Date/Duration
1	Workshop	June 2020
2	National Statistics Day	29 June 2020
3	Poster Presentation Competition	August 2020
4	Seminar Competition	Sept. 2020
5	Guest Lecture	Oct 2020
6	Quiz Competition	Jan 2021
7	Guest Lect	Feb 2021
8	National Science Day	28 Feb 2021

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	N.A.
------------------------------	------

No. of faculty attended Refresher or Orientation Courses	N.A.
--	------

No. of faculty Participated in short term courses, Capacity Building	
--	--

Workshops etc	
---------------	--

No. of faculty members involved in curriculum restructuring/revision/syllabus development	
---	--

Any attempts made towards enrichment of curriculum, if yes give details.	
--	--

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class (S-2019)	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I (Sem II)	67(86.56)	24 (41.37)	23(39.65)	10(17.24)	01(1.72)	18.01
B.Sc. II (Sem IV)	68(97.05)	36(54.54)	29(43.93)	1(1.51)	0	19.20
B.Sc. III (Sem VI)	69(93.24)	33(47.82)	32(46.37)	4(5.79)	0	18.23
(W-2019)	AVE. SCORE					18.57
B.Sc. I (Sem I)	51(83.60)	12(23.52)	27(52.94)	12(23.52)	0	18.03
B.Sc. II (Sem III)	55(85.93)	23(41.81)	31(56.36)	1(1.81)	0	17.54
B.Sc. III (Sem V)	56(93.33)	16(28.57)	40(71.42)	0	0	19.06
	AVE. SCORE					18.21
	AVE. SCORE					18.40

2. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II	BCA I	BCA II	BCA III
Intake	72	72	72					
Admitted	70	69	76					
Demand ratio								

3. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I

4. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score
July-Oct	75.75	82.04	83.25	80.34							
Jan-March	71.45	77.45	62.88	70.59							
ACTUAL SCORE				75.46=10							

5. Measures taken to increase the attendance : 1) Student has to give leave application, 2) Personal counseling is done, 3) Class test has been taken 4) Through G.T. Scheme 5) Regular Class Attendance

6. E-content/reading materials developed for students

Name of the Teacher:	
ACTUAL SCORE	

7. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class
1.	
2.	
ACTUAL SCORE	

8. Any attempts made by department for value education, if yes give details.

- Lesson of value education are given to the students.

9. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

- Department has provided special guidance to the advanced learners under student access centre resources.
- Mr. Saurav Jadhao, B.Sc. II completed NPTEL courses of AI Domain
- Mr. Charthad passed JAM Examination

10. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

- Guest Lectures of Kilhehar , Dr Kedia and Prof P B Lakhani were organized for students on dt. 26/09/19 & 28/02/20 respectively.

Title , objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
National Statistics day 29 th June 2019	29 th June 2019	70 Students of B.Sc. II & III
Guest Lecture	28/02/20	50 students
WorkShop	22/02/20	120 Students
ACTUAL SCORE		3 hrs./10 = 0.3

11. Course covered (programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA-I	BCA-II	BCA-III	Total
Total no. of Units to be taught	06+06=12	06+06=12	06+06=12				36
No. of Units completed	12	12	12				36
No. of Units remained	NIL	NIL	NIL				Nil
% of Practical completed	100%	100 %	100%				100%
SCORE							10

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught	N.A.	N.A.	N.A
No. of Units completed			
No. of Units remained			
% of Practical completed			
SCORE			

11. GIC at PG level/ Multidisciplinary approach – If Any , please specify

13. Innovative teaching practices - If Any , please specify

- Use of ICT
- Group Discussion
- Seminar within Class

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s)2019-20

50% 4 out of 8

- Workshop June 2019
- NSD 29 June 2019
- Guest Lecturer Oct 2019
- Workshop Feb 2020

SECTION – IV : RESEARCH OUTPUT

		SCORE
A. Intake capacity	05	
B. No. of recognized supervisors	01	
C. No. of students submitted/awarded Ph.D. degree		
D. No. of registered students for Ph.D. degree	2+1	
E. No. of fellow students	NIL	
F.		
ACTUAL SCORE		

G. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE

ACTUAL SCORE

H. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int.	Nat.	Total							
Dr H S Lunge	1									8
ACTUAL SCORE										

I. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
ACTUAL SCORE		

J. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
Dr. H.s. Lunge	R	4	
ACTUAL SCORE			08

K. Books written/edited

Name of Teachers	No. of Books/Chapters	SCORE
ACTUAL SCORE		

L. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
Dr. H.S. Lunge	5	10
Dr. U.V. Kale	2	4
ACTUAL SCORE		14

M. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
ACTUAL SCORE			

N. Collaboration MoU

Name of Teachers	Collaborating Agency	SCORE
ACTUAL SCORE		

O. Patents Details (filed/approved) if any

Name of Teachers	Patents details	SCORE

ACTUAL SCORE	
---------------------	--

SECTION - V : EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
ACTUAL SCORE		

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
ACTUAL SCORE				

C. Contribution to university work (keep record)

Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
Dr. S.V. Choudhari	Paper Valuation, Paper setting	
Sh. N.S. Makeswar	Moderation, Valuation, Paper setting,	
Dr. H.S. Lunge	Valuation, Paper setting	
Dr. U.V. Kale	Moderation, Valuation, Paper setting, LEC	
ACTUAL SCORE		

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
ACTUAL SCORE		

G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
ACTUAL SCORE		


Dr. H. S. LUNGE
 IQAC Coordinator
 Shri Shivaji Science College
 Amravati.




Principal
 Shri Shivaji Science College
 AMRAVATI.

Head

IQAC

Principal

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Fact Sheet of Department for Academic & Administrative Audit 2019-20

Name of the Department	ZOOLOGY
------------------------	---------

SECTION - I : GENERAL INFORMATION

A. Date and Year of Establishment :	UG-1958 ,PG-1992				
B. Name of Head of the Department	Dr.N.V.Bhatkar				
C. Faculty (Regular & Contributory) :					
Sanctioned	11	Filled	09	Vacant	02

S.N.	Name	Designation	Qualification	Service (Yrs)
1	Dr.N.V.Bhatkar	Asso.Professor	M.Sc.,M.Phil.,Ph.D.	32
2	Dr.R.G.Jadhao	Asso.Professor	M.Sc.,Ph.D.	31
3	Prof.J.A.Makeshwar	Assist.Professor	M.Sc.B.Ed.	12+23=35
4	Dr.J.D.Dhote	Asso.Professor	M.Sc.Ph.D.,M.A.,M.Ed.	16
5	Dr.G.A.Wagh	Asso.Professor	M.Sc.Ph.D.	16
6	Dr.G.S.Tekade	Assist.Professor	M.Sc.B.Ed.Ph.D.	24+8=32
7	Dr.G.D.Hande	Assist.Professor	M.Sc.B.Ed.Ph.D.	01
8	Dr.R.A. Patil Bhagat	Assist.Professor	M.Sc.B.Ed.Ph.D.	01
9	Dr.S.J.Kawade	Assist.Professor	M.Sc.B.Ed.Ph.D.	01

D. Academic programmes & Curriculum (Y/N)

UG	PG	Ph.D.	Other(specify)
Y	Y	Y	COC

E. Proposed Action Plan For next Academic Year20-21

S.N.	Activity	Date/Duration
1	World Environment Day	5 th June
2	Participation in Tree Plantation Program	July
3	World Tiger day Celebration	29 July
4	Zoological Excursion & Field visit B.Sc. III	Aug
5	Zoological Excursion & Field visit B.Sc.II	Aug
6	Zoological Excursion & Field visit B.Sc.I	Aug
7	'Photography' Workshop 2	Aug
8	Formation of Zoological Club for UG & Zoological Society For PG 2019-20	Sept
9	Clay Ganesh Idol Awareness program	Sept
10	Guest Lecture	Sept
11	Wildlife Week celebration & Photography Exhibition	Oct
12	Inter Collegiate Seminar Competition	Oct
13	Nature camp cum Wildlife Workshop in Melghat	Nov

14	Zoological Excursion for PG	Nov
15	World AIDS Day Program	Dec
16	Workshop on Research Methodology for Researchers/students	Dec
17	Zoological Long Excursion for UG&PG	Dec
18	Zoology QUIZ UG & PG students	Jan
19	Bird Watching program & Bird Fest	Jan
20	Wetland Day& GBBC program	Feb
21	Guest Lectures	Feb
22	Health Awareness program for Girls	Feb
23	World Sparrow day & Forest Day Program	March
24	Farewell programme of M.Sc.II & Zoology Alumni Meet	April
25	To attend Professional Development programs (Training/Courses/Scientific workshops etc.)	April

SECTION - II : HUMAN RESOURCE

No. of faculty attended FIP.	00
------------------------------	----

No. of faculty attended Refresher or Orientation Courses Or short term	1+2
--	-----

No. of faculty Participated in short term courses, Capacity Building Workshops etc	03
--	----

No. of faculty members involved in curriculum restructuring/revision/syllabus development	06
---	----

Any attempts made towards enrichment of curriculum, if yes give details.- -Participation in Syllabus restructuring meeting	06
---	----

SECTION - III : TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

1. Result Analysis of last Academic Year S/2019 (SEM II,IV & VI)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I (Bio)	97	2.24	28	58.4	12	12.7
B.Sc. I (MEB)	89	6.25	24	52	18	11.8
B.Sc. II(BIO)	80	09	31	41	19	12
B.Sc. II(MEB)	92	15	38	21	26	14.5
B.Sc. III(BIO)	89	32	60.7	6.3	00	18.26
B.Sc. III(MEB)	84	50	48.07	1.92	00	18.10
AVE. SCORE						14.56
M.Sc. I	44.44	00	75.00	25.00	00	15.78
M.Sc. II	63.15	00	41.66	58.33	00	15.29
AVE. SCORE						15.53

2.Result Analysis of last Academic Year W/2019(SEM I,III & V)

(A- above 75 %, B- 60%-74%, C- 50% - 59 and D- 35-49% for 1st year and D- 40-49% for 2nd /3rd year

Class	Pass %	A (in %)	B (in %)	C (in %)	D (in %)	Score
B.Sc. I (Bio)	61	15.38	14.28	30.76	39.56	16.5
B.Sc. I (MEB)	81	28	41	04	00	18.4
B.Sc. II(BIO)	79.56	21	33	20	9.67	11.2
B.Sc. II(MEB)	76.11	32.8	40	16.41	4.47	10.9
B.Sc. III(BIO)	84	28	41	04	00	16.37
B.Sc. III(MEB)	86	23	24	04	00	17.46
AVE. SCORE						15.13
M.Sc. I	33.33	28.57	28.57	42.85	00	11.53
M.Sc. II	92.85	30.76	15.38	53.84	00	15.78
AVE. SCORE						13.6

1. Number of students enrolled for each programme during the current academic year (along with intake capacity)

	B.Sc. I	B.Sc. II	B.Sc. III	M.Sc. I	M.Sc. II	BCA I	BCA II	BCA III
Intake	178	148	144	15	15			
Admitted	178	148	144	20	14			
Demand ratio				1:6				

2. Number of students enrolled from the region other than home university region: P.G/ Ph.D.

Ph.D.	M.Sc. I
00	0
Course work =02	

3. Average Percentage of attendance of the students : (class wise & Month wise)

Month	B.Sc. I	B.Sc. II	B.Sc. III	AVE Score	M.Sc. I	M.Sc. II	AVE Score	BCA I	BCA II	BCA III	AVE Score
July	62	65	64.42	8	51	68.42	8				
Aug	68	70	64	8	80	73	10				
Sept	71	75	65.21	8	79	76	10				
Oct	70	75	72.25	8	---	----	----				
Jan	71	80	63.60	8	50	70	8				
Feb	71	79	55	8	62	66	8				
March	68	60	59.17	8	67	82	10				
ACTUAL SCORE	8	8	8	8			9				

4. Measures taken to increase the attendance -

- Regular Monitoring
- Personal talk with students& Parents
- Through GT

5. E-content/reading materials developed for students

Name of the Teacher		Score
Dr.R.G.Jadhao	06	12
Dr.J.D.Dhote	15	30
Dr.G.A.Wagh	25	50
Dr.G.D.Hande	22	44
Dr.R.A. Patil Bhagat	09	18
Dr.S.J.Kawade	17	34
	ACTUAL SCORE	

6. Bridge/remedial course details (class/schedules/no. of beneficiaries, teachers involved) (for details keep file ready)

Name of the Teacher	Class
DR.R.G.Jadhao	For B.Sc.I- Review of Zoology systematic & Taxidermy
Dr.J.D.Dhote	
Dr.G.A.Wagh	For B.Sc.II- Basic of cell Biology & Genetics
Dr.G.D.Hande	For B.Sc.III-Introduction to Instrumentation in Life Sciences.
Dr.R.A. Patil Bhagat	
Dr.S.J.Kawade	For M.Sc.I-Introduction to Research Methodology
	ACTUAL SCORE 00

7. Any attempts made by department for value education, if yes give details.

Health Care course

Nature & Wildlife Specialist Group (NWSP)

8. Does the department provide special guidance and help to advanced learners? If yes give name of beneficiaries (from last year) along with achievements.

Class	Work done	Beneficiaries/Achievement
B.Sc.III	Guidance for entrance examinations, IIT -JAM	12 students
	Guidance for Intercollegiate Quiz competition	02
	Guidance for Intercollegiate Seminar competition	02
	Guidance	Ku.Shital Ambekar & Ku.Nilima Raut University Merit S/2020
B.Sc.II	DST-Inspire Scholarship Project work	Mr.Shashank Nagrale
M.Sc.II	Guidance for competitions, entrance examinations, NET & SET projects and Opportunities.	
	Guidance	

9. Co-curricular activities organize for students (seminars/workshops/field visits/guest lectures etc, give details in prescribed formats)

Title, objectives, duration/date/ no. of participants/brief report/s

Name of activity	Date/Duration	No. of beneficiaries
Tiger Day celebration	29 July 2019	70
Induction Program	09 Aug 2019	32
Inauguration of Zoological Society	24 August 2019	35
Field visit to Melghat	21 Sept 2019	72
Wildlife Week celebration	4-5 Oct 2019	505

<i>Bird Week</i>	<i>7 Nov 2019</i>	<i>22</i>
<i>AIDS day Celebration</i>	<i>13 Dec 2019</i>	<i>40</i>
<i>Visit to Regional forensic Lab, Amravati</i>	<i>22 Jan2010</i>	<i>85</i>
<i>Wetland Day Celebration</i>	<i>2 Feb 2020</i>	<i>20</i>
<i>Inter collegiate Poster competition-NSD</i>	<i>28 Feb 2020</i>	<i>30</i>
<i>Nature Camp in Melghat</i>	<i>29 Feb-1 March 2020</i>	<i>35</i>
ACTUAL SCORE		

11. Course covered (Programme wise)

A.

UG	B.Sc.-I	B.Sc.-II	B.Sc.-III	BCA- I	BCA-II	BCA-III	Total
Total no. of Units to be taught	12	12	12				36
No. of Units completed	12	12	12				36
No. of Units remained	00	00	00				00
% of Practical completed	90	90	90				90
SCORE							

B.

PG	M.Sc.-I	M.Sc.-II	Total
Total no. of Units to be taught	20+20	20+20	80
No. of Units completed	20+20	20+20	80
No. of Units remained	00	00	00
% of Practical completed	90	90	90
SCORE			

10. GIC at PG level/ Multidisciplinary approach - If Any , please specify -

14 students

13. Innovative teaching practices - If Any , please specify -

- Zoology Museum Visit
- Field Based Demonstration
- Field Based Demonstration (Photography & Avian fauna study)
- Seminar
- Zoology Quiz

14. Extent to which Action Plan executed (IN %) (Enlist the activities with date/s):

Action Plan executed 2019-20=(92.30%)

S.N.	Activity	Date/Duration
1	World Environment Day	5 th June 2019
2	National Tree Day	July 2019
3	International Tiger day Celebration	29 July 2019
4	Inauguration Of Zoology Club& P.G. Society	24 Aug 2019
	Guest Lectures	24 Aug 2019
5	Wildlife Week Celebration	4 & 5 Oct 2019
6	Bird Week	7-12 Nov 2019
7	Zoology Excursion	21 Sept 2019
8	AIDS day Program	13 Dec 2019

9	Visit to Regional forensic Lab, Amravati	22 Jan2010
10	Nature Camp cum Workshop	29 Feb 2020
11	World Wetland Day & Bird watching	2 Feb2020
12	NSD-Poster competition	28 Feb2020
13	World Sparrow Day	20 March 2020

SECTION - IV : RESEARCH OUTPUT

		SCORE
A. Intake capacity	20	
B. No. of recognized supervisors	04	
C. No. of students submitted/awarded Ph.D. degree	01	30
D. No. of registered students for Ph.D. degree	05	
E. No. of fellow students	----	
No. of students admitted for course work	04	
ACTUAL SCORE		30

F. Research Projects

Project(Major/Minor)	Name of the teachers	Funding Agency	Status (ongoing/completed)	Outlay (Lack)	SCORE
Major Project-Status and Distribution survey and study of Breeding Biology of Malabar Pied Hornbill in PTR, MP	Dr.G.A.Wagh	Madhya Pradesh State Biodiversity, Board	ongoing	6.61	05
ACTUAL SCORE					05

G. Research Publications in Journals

Name of teachers	No. of papers			Total Citations	Highest Impact Factor	International Database	h-index	SNIP	SJR	SCORE
	Int	Nat	Total							
Dr.R.G.Jadhao	05	-	05		SJIF= 6.58	Google Scholar, ResearchGate				52
Dr.J.D.Dhote	04	-	04		SJIF= 5.87	Google Scholar, ResearchGate				36.4
Dr.G.A.Wagh	02	-	02	41	1.9	Google Scholar, ResearchGate	3			18.2
Dr.G.D.Hande	01	-	01		SJIF= 5.87					13
Dr.R.A. Patil Bhagat	01	-	01		SJIF= 5.87					9.1
ACTUAL SCORE										128.7

H. Research Publications in Proceedings

Name of Teachers	No. of Papers	SCORE
Dr.J.D.Dhote	01	02
Dr.S.J.Kawade	02	06
ACTUAL SCORE		08

I. Conf./workshop etc attended

Name of Teachers	Level I/N/S/R	No. of events attended	SCORE
Dr.R.G.Jadhao	I/N	01/01	04
Dr.J.D.Dhote	I/N/S	01/02/2/01	06
Dr.G.A.Wagh	I/N/S/R	1/1/1/2	10
Dr.G.D.Hande	N	02	04
Dr.R.A. Patil Bhagat	N	02	04
Dr.S.J.Kawade	I/N/R	2/9/4	30
ACTUAL SCORE			58

J. Books written/edited

Name of Teachers	Book Written/Edited	No. of Books/Chapters	SCORE
Dr.G.A.Wagh	Wetland & Water Birds of Amravati District	01	05
ACTUAL SCORE			10

K. Awards/recognitions/chaired session by faculty/faculty as a resource person (give details)

Name of Teachers	Awards/recognitions etc	SCORE
Dr.N.V.Bhatkar		06
Dr.J.D.Dhote		06
Dr.G.A.Wagh		08
ACTUAL SCORE		20

L. Consultancy Services

Name of Teachers	Area of consultancy	Revenue generated in Rs.	SCORE
Dr.G.A.Wagh	1.Wildlife Photography 2.Biodiversity Documentation (PBR)	1000/-	
ACTUAL SCORE			20

M. Collaboration /MoU

Name of Teachers	Collaborating Agency	SCORE
Dr.J.D.Dhote	MOU-01 (with Aurvedic college, HVPM)	05
ACTUAL SCORE		05

N. Patents Details (filed/approved) if any =NIL

Name of Teachers	Patents details	SCORE
ACTUAL SCORE		00

SECTION - V : Professional Development & EXTENSION ACTIVITIES

A. Students related co-curricular and field based activities(e.g. field work, study tour, industrial visit, career counseling, etc (keep record)

Sr. No.	Activities	SCORE
1	Field work	3
2	Study tour	3.6
3	Forensic Lab visit	0.5
4	Career counseling	6
ACTUAL SCORE		6.1

B. Extension /outreach activities(e.g. public/popular talks, working with GOs & NGOs etc) (keep record)

Sr. No.	Name of the Teachers	Activity	Date/s	SCORE
1	Dr.N.V.Bhatkar	Popular Talk Popular Talk		01
2	Dr.J.D.Dhote	Popular Talk		01
3	Dr.G.A.Wagh	Working with GO, Working with NGO, Working with Maharashtra pakshimitra Photography Workshop, Popular Talk		05
ACTUAL SCORE				07

C. Contribution to university work (keep record)

Sr. No.	Name of the Teacher	Administrative/academic responsibility(e.g. Dean, BOS, Paper setting/moderation/valuation / curriculum restructuring etc	SCORE
1	Dr.N.V.Bhatkar	Paper setting, Valuation, External & Internal Examiner, Project work guidance	20
2	Dr.R.G.Jadhao	BOS-Member ,Paper setting, Valuation, External & Internal Examiner	20
3	Prof.J.A.Makeshwar	Valuation, External & Internal Examiner, Project work guidance	20
4	Dr.J.D.Dhote	BOS-Member, Paper setting, Valuation, External & Internal Examiner, Project work guidance	20
5	Dr.G.A.Wagh	Paper setting, Valuation, External & Internal Examiner, Project work guidance	20
6	Dr.G.S.Tekade	Valuation, External & Internal Examiner, Project work guidance	20
7	Dr.G.D.Hande	Valuation, External & Internal Examiner, Project work guidance	20
8	Dr.R.A. Patil Bhagat	Valuation, External & Internal Examiner, Project work guidance	20
9	Dr.S.J.Kawade	Valuation, External & Internal Examiner, Project work guidance	20
ACTUAL SCORE			180

D. Membership of academic associations

Sr. No.	Name of the Teacher	SCORE
1	Dr.N.V.Bhatkar	12
2	Dr.R.G.Jadhao	02
3	Prof.J.A.Makeshwar	02
4	Dr.J.D.Dhote	11
5	Dr.G.A.Wagh	11
6	Dr.G.S.Tekade	02
7	Dr.G.D.Hande	02
8	Dr.R.A. Patil Bhagat	02
9	Dr.S.J.Kawade	01
ACTUAL SCORE		41


G. Professional Development

Sr. No.	Name of the Teacher	(e.g- refresher, orientation, short term courses etc)
3	Dr.S.J.Kawade	03
ACTUAL SCORE		03


Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.




Principal
Shri Shivaji Science College
AMRAVATI.


Dr. N. V. Bhatkar
Head & Associate Professor
Dept. of Zoology
Shri Shivaji Science College,
Amravati.

**e-content for the UG and PG courses of
various Departments**

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Chemistry

B. Sc. Part – I (Semester – I)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Boron family	https://www.slideshare.net/NitinBansod5/boron-family-newqid=587e4e7e-0d0b-4198-933d-	Dr. N. H. Bansod			
Electronic Displacements:	https://www.slideshare.net/pramodpadole35/sem-i-a-electronic-displacements-by-dr-pramod-r-padole	Dr Pramod R Padole			
Reactive intermediates	https://www.slideshare.net/pramodpadole35/semester-i-b-reactive-intermediates-by-dr-pramod-r-padole	Dr Pramod R Padole			
Aliphatic Hydrocarbons	https://www.slideshare.net/pramodpadole35/semester-i-c-aliphatic-hydrocarbons-by-dr-pramod-r-padole-242708143	Dr Pramod R Padole			
Polarization and Polarizing property	https://www.slideshare.net/GajananDongare/dongare-g-m-bsci-sem-ii-unit-i-polarisation	Dr. G. M. Dongare			
Chemical Thermodynamics	https://drive.google.com/file/d/1WIiWF35MtJ-ucQwuokrh1-V9VshPqaGH/view?usp=sharing	Dr. S. P. Ingole			
Chemical Thermodynamics	https://drive.google.com/file/d/1WIiWF35MtJ-ucQwuokrh1-V9VshPqaGH/view?usp=sharing	Dr. S. P. Ingole			
Chemical Thermodynamics	https://drive.google.com/file/d/1WIiWF35MtJ-ucQwuokrh1-V9VshPqaGH/view?usp=sharing	Dr. S. P. Ingole			

B. Sc. Part – II (Semester – III)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Thermodynamics	https://docs.google.com/presentation/d/11sxodL5-YdSeIQh6FFKrd7ferwXx_u5q/edit#slide=id.p1	Dr. S. K. Rithe			
Colligative Property	https://www.slideshare.net/NitinBansod5/colligative-properties-ppt-sscamtqid=1f148b90-697c-4457-9068-5d94d6543064&v	Dr. N. H. Bansod			

Streochemistry	https://www.slideshare.net/Munna19/conformati on-ug-newedited23110555	Dr. N. R. Thakare		
Paper Chromatography	https://www.slideshare.net/Munna19/paperchromatography-231168806	Dr. N. R. Thakare		
Stereochemistry	https://www.slideshare.net/pramodpadole35/stereochemistry-by-dr-p-r-padole	Dr Pramod R Padole		
Benzoin Condensation	https://drive.google.com/file/d/1OfgKBSi6UlxWze-tgVvFuyjJwR9eWTqz/view?usp=sharing	Dr. S. A. Wadhal		
Reduction of Carbonyl compound	https://drive.google.com/file/d/123nUrImV0Asz-Oeg5MNE5BK4JIZDFP39/view?usp=sharing	Dr. S. A. Wadhal		
Stereochemistry	https://drive.google.com/file/d/1oivXFW0oLYucLs9wiyWJfj0EmSdpZRSO/view?usp=sharing	Dr. S. A. Wadhal		
Cannizaro Reaction	https://drive.google.com/file/d/1PK_JkRf7PIFP2YvtzaPA6My2wevxobxq/view?usp=sharing	Dr. S. A. Wadhal		
Aldehyde Ketone	https://drive.google.com/file/d/1B9bPAgeXAxmIvYdH-X4UozyWw7sFSJAB/view?usp=sharing	Dr. S. A. Wadhal		
Perkin Reaction	https://drive.google.com/file/d/1UyILexEqQ0Zani6iJcvUjaj-ccNZJ-tG/view?usp=sharing	Dr. S. A. Wadhal		
Reformatsky Reaction	https://drive.google.com/file/d/1C3bbCBcQgAzHRBR9GvRj2BlykPq5WYSH/view?usp=sharing	Dr. S. A. Wadhal		
Mannich Reaction	https://drive.google.com/file/d/1V1Mx5YnZcRCXbl_nXoGAmfSiK2dxTLkD/view?usp=sharing	Dr. S. A. Wadhal		
Stereochemistry	https://drive.google.com/file/d/19Hese5Zn_DT MZQ9nNapoK2BSUfRwJhyo/view?usp=sharing	Dr. S. A. Wadhal		
Basic concepts of Thermodynamics	https://www.slideshare.net/ProfYogitaThakare/lect-1-introduction-syllabus-b-sc-ii-sem-iii-basic-concept-of-thermodynamics-238439121	Dr. Y. S. Thakare		
Gibbs free energy and Helmholtz free energy	https://www.slideshare.net/ProfYogitaThakare/lect-2-gibbs-free-energy-and-helmholtz-free-energy	Dr. Y. S. Thakare		
Gibbs Helmholtz equation, Chemical potential, Gibbs Duhem equation	https://www.slideshare.net/ProfYogitaThakare/lect-3-gibbs-helmholtz-equation-chemical-potential-gibbs-duhem-equation	Dr. Y. S. Thakare		

Chemical potential of an ideal gas Van't Hoff reaction isotherm equation	https://www.slideshare.net/ProfYogitaThakare/lect-4-chemical-potential-of-an-ideal-gas-vant-hoff-reaction-isotherm-vant-hoff-equation-238439398	Dr. Y. S. Thakare			
Problems on thermodynamic equilibrium	https://www.slideshare.net/ProfYogitaThakare/lect-6-problems-on-thermodynamics	Dr. Y. S. Thakare			
Surface tension, Definition, Experimental Determination Effect of temperature, Applications	https://www.slideshare.net/ProfYogitaThakare/lect-1-surface-tension	Dr. Y. S. Thakare			
Basic concepts of Thermodynamics	https://www.slideshare.net/ProfYogitaThakare/lect-1-introduction-syllabus-b-sc-ii-sem-iii-basic-concept-of-thermodynamics-238439121	Dr. Y. S. Thakare			
Gibbs free energy and Helmholtz free energy	https://www.slideshare.net/ProfYogitaThakare/lect-2-gibbs-free-energy-and-helmholtz-free-energy	Dr. Y. S. Thakare			
Gibbs Helmholtz equation, Chemical potential, Gibbs Duhem equation	https://www.slideshare.net/ProfYogitaThakare/lect-3-gibbs-helmholtz-equation-chemical-potential-gibbs-duhem-equation	Dr. Y. S. Thakare			
Chemical potential of an ideal gas Van't Hoff reaction isotherm equation	https://www.slideshare.net/ProfYogitaThakare/lect-4-chemical-potential-of-an-ideal-gas-vant-hoff-reaction-isotherm-vant-hoff-equation-238439398	Dr. Y. S. Thakare			
Problems on thermodynamic equilibrium	https://www.slideshare.net/ProfYogitaThakare/lect-6-problems-on-thermodynamics	Dr. Y. S. Thakare			
Surface tension, Definition, Experimental	https://www.slideshare.net/ProfYogitaThakare/lect-1-surface-tension	Dr. Y. S. Thakare			

Determination Effect of temperature, Applications					
Basic concepts of Thermodynamics	https://www.slideshare.net/ProfYogitaThakare/lect-1-introduction-syllabus-b-sc-ii-sem-iii-basic-concept-of-thermodynamics-238439121	Dr. Y. S. Thakare			
Metallurgy	https://www.slideshare.net/harshaliwankhade/metallurgy-242824511	Dr. H. G. Wankhade			
		Dr. N. A. Kalambe			
Crystalline State	https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing	Dr. S. P. Ingole			
Amorphous Solid	https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing	Dr. S. P. Ingole			
Crystallography	https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing	Dr. S. P. Ingole			
Law of Crystallography	https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing	Dr. S. P. Ingole			
Interplaner distance in cubic system	https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing	Dr. S. P. Ingole			
Inter planer distances ratio is summarized	https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing	Dr. S. P. Ingole			

B. Sc. Part – III (Semester – V)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Spectroscopy	https://docs.google.com/presentation/d/1EnDR6bwer56kqfoHt8UAfLLX8zTNUjCd/e	Dr. S. K. Rithe			

	dit#slide=id.p1				
Photochemistry	https://drive.google.com/file/d/1fB9tBAdyHujGlelOB-34zd0TWOEUHM9k/view?usp=sharing	Dr. A. S. Bhurghate			
Photochemistry	https://drive.google.com/file/d/1PH0VjCNV4srB-sXvrEfkLsAC2Q2ZfEfZ/view?usp=sharing	Dr. A. S. Bhurghate			
Dyes	https://www.slideshare.net/Munna19/dyes-ppt-231168582	Dr. N. R. Thakare			
Drugs & Pesticides	https://www.slideshare.net/pramodpadole35/drugs-pesticides-by-dr-pramod-r-padole	Dr Pramod R Padole	B.Sc. Sem-V University Chemistry Syllabus	https://www.youtube.com/watch?v=fVe0vtyZURw	Dr Pramod R Padole
Orientation of Electrophilic Substitution in Pyrrole	https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-part-iv-pyrrole-by-dr-pramod-r-padole	Dr Pramod R Padole	Unit-III Heterocyclic Compounds Part-I (Pyrrole) Defination of Heterocyclic compounds, Nomenclature of heterocycles, Classification of heterocyclic compounds & Preparations of Pyrrole	https://www.youtube.com/watch?v=GpsCZ8_bXYw&feature=youtu.be	Dr Pramod R Padole
6 – membered heterocyclic compounds, Preparation of Pyridine, Molecular Orbital Structure / Picture / M.O. diagram of Pyridine	https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-parti-pyridine-by-dr-pramod-r-padole-239022661	Dr Pramod R Padole	Heterocyclic Compounds Part-II (Pyrrole) Molecular orbital diagram of	https://www.youtube.com/watch?v=Um_ZJEwRfYQ	Dr Pramod R Padole

			pyrrole		
Resonance Structures of Pyridine, Basic Nature or Basic Character of Pyridine, Pyridine is more basic than Pyrrole,	https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-partii-pyridine-by-dr-pramod-r-padole		Heterocyclic Compounds Part-III (Pyrrole) Resonance, Resonance Structures of Pyrrole, Basic nature of Pyrrole & Acidic nature of Pyrrole	https://youtu.be/T37iOQ13sQM	Dr Pramod R Padole
Orientation and Reactivity of Electrophilic Substitution in Pyridine, Electrophilic Substitution Reactions of Pyridine at C-3 position	https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-partiii-pyridine-by-dr-pramod-r-padole	Dr Pramod R Padole			
Orientation and Reactivity of Nucleophilic Substitution in Pyridine, Nucleophilic Substitution Reactions of Pyridine at C-2 position	https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-partiv-pyridine-by-dr-pramod-r-padole	Dr Pramod R Padole			
Resonance structure of Pyrrole, Basic Nature (or Character) of Pyrrole, Acidic Nature of Pyrrole,	https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-part-iii-pyrrole-by-dr-pramod-r-padole	Dr Pramod R Padole			
Heterocyclic Compounds, Nomenclature of Heterocycles, Classification of Heterocyclic	https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-parti-pyrroleby-dr-pramod-r-padole	Dr Pramod R Padole			

Compounds, a) 5-membered Heterocyclic compounds, Preparation of Pyrrole:					
Molecular Orbital Structure / Picture / M.O. diagram of Pyrrole	https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-partii-pyrrole-by-dr-pramod-r-padole	Dr Pramod R Padole			
Dyes, Drugs & Pesticides	https://www.slideshare.net/pramodpadole35/dyes-drugs-pesticides-by-dr-pramod-r-padole-242750175	Dr Pramod R Padole			
Grignard Reagent	https://drive.google.com/file/d/1rxBmDRqw1nziQdEqbYf9428QZcvgdDEZ/view?usp=sharing	Dr. S. A. Wadhal			
Polymer	https://drive.google.com/file/d/12LdNGs5Oz2sffujBF8i3SaqOI4YMStcU/view?usp=sharing	Dr. S. A. Wadhal			
Organolithium Compound	https://drive.google.com/file/d/1p3kVorqYVi7Slhg4apK4HI3_0VkJQq8b3/view?usp=sharing	Dr. S. A. Wadhal			
Pyridine	https://drive.google.com/file/d/1Ei5fuh2KgdAnpYCb2NmCwYqoXbd29Ziq/view?usp=sharing	Dr. S. A. Wadhal			
Pyrrol	https://drive.google.com/file/d/1IODmh9Vv-7qPTY6wsm55VdSm02Wf4ent/view?usp=sharing	Dr. S. A. Wadhal			
Pesticides	https://drive.google.com/file/d/1xo0HI6j6MhIRYCA97czlmbTPxckCSbk_/view?usp=sharing	Dr. S. A. Wadhal			
Indigo, Alizarin	https://drive.google.com/file/d/1YE05I0qdGuGT_E_GJd9paG4lKhqLO3R/view?usp=sharing	Dr. S. A. Wadhal			
Photochemistry, EMR, parameters of EMR	https://www.slideshare.net/ProfYogitaThakare/lect-1-photochemistry-introductionemrparameters-of-emr	Dr. Y. S. Thakare			
Interaction of	https://www.slideshare.net/ProfYogitaTh	Dr. Y. S.			

EMR, photochemical and thermal reaction	akare/lect-2-interaction-of-emr-photochemical-and-thermal-reaction	Thakare			
Laws of absorption of light	https://www.slideshare.net/ProfYogitaThakare/lect-3-laws-of-absorption-of-light-lamberts-beers-law	Dr. Y. S. Thakare			
Laws of photochemistry	https://www.slideshare.net/ProfYogitaThakare/lect-4-limitation-of-beers-law-laws-of-photochemistry	Dr. Y. S. Thakare			
Quantum yield, experimental arrangement, reasons for high and low Quantum yield, problems, photochemical reactions, kinetics of photochemical decomposition of HI, photosensitized reaction, mechanism of photosensitization,	https://www.slideshare.net/ProfYogitaThakare/lect-5-quantum-yield-and-photosensitize-reaction	Dr. Y. S. Thakare			
Photochemistry , EMR, parameters of EMR	https://www.slideshare.net/ProfYogitaThakare/lect-1-photochemistry-introductionemrparameters-of-emr	Dr. Y. S. Thakare			
Interaction of EMR, photochemical and thermal	https://www.slideshare.net/ProfYogitaThakare/lect-2-interaction-of-emr-photochemical-and-thermal-reaction	Dr. Y. S. Thakare			

reaction					
Laws of absorption of light	https://www.slideshare.net/ProfYogitaThakare/lect-3-laws-of-absorption-of-light-lamberts-beers-law	Dr. Y. S. Thakare			
Laws of photochemistry	https://www.slideshare.net/ProfYogitaThakare/lect-4-limitation-of-beers-law-laws-of-photochemistry	Dr. Y. S. Thakare			
Quantum yield, experimental arrangement, reasons for high and low Quantum yield, problems, photochemical reactions, kinetics of photochemical decomposition of HI, photosensitized reaction, mechanism of photosensitization,	https://www.slideshare.net/ProfYogitaThakare/lect-5-quantum-yield-and-photosensitize-reaction	Dr. Y. S. Thakare			
Photochemistry , EMR, parameters of EMR	https://www.slideshare.net/ProfYogitaThakare/lect-1-photochemistry-introductionemrparameters-of-emr	Dr. Y. S. Thakare			

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Chemistry

B. Sc. Part – I (Semester – II)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Periodic table	https://docs.google.com/presentation/d/1MCFvgXC7rCjltUhqR3g7ny0cBsXRbzOxB9Op1uZYUs/edit?usp=sharing	Dr. A. B. Bodade			
Modern Periodic table	https://docs.google.com/presentation/d/1T4JsSJ7losU7SMNT0c70ZF8_967bCl1-b4a5pSqmmmyQ/edit?usp=sharing				

B. Sc. Part – II (Semester – IV)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Liquid State	https://docs.google.com/presentation/d/194IU47tMpdKMhtK7hVA7qBF-6zcPnhCZmPa8bC4zsNg/edit?usp=sharing	Dr. G. N. Chaudhari			
Covalent bonding ,Metallic Bonding and VSERP Theory	https://docs.google.com/presentation/d/1Gg_7nBI5wfwTq0PNXsKZB3WOQnEnDO0F_4bPCNF2CAo/edit?usp=sharing	Dr. A. B. Bodade			
Inner Transition element	https://www.slideshare.net/savedfiles?s_title=inner-transition-element-2020	Dr. N. H. Bansod			
Acid base theory	https://www.slideshare.net/savedfiles?s_title=acid-base-theory-234386976&user_login=NitinBansod5	Dr. N. H. Bansod			
Extraction of element	https://www.slideshare.net/savedfiles?s_title=extraction-of-elements&user_login=NitinBansod5	Dr. N. H. Bansod			
Solid state	https://www.slideshare.net/savedfiles?s_title=copy-of-solid-state-fff-2013&user_login=NitinBansod5	Dr. N. H. Bansod			
		Dr. K. N. Puri			
Paper Chromatography	https://www.slideshare.net/Munna19/paperchromatography-231168806	Dr. N. R. Thakare			
Carbohydrates	https://www.slideshare.net/pramodpadole35/carbohydrates-by-dr-pramod-r-padole	Dr Pramod R Padole			

Aromatic nitro compounds	https://www.slideshare.net/pramodpadole35/aromatic-nitro-compounds-by-dr-pramod-r-padole	Dr Pramod R Padole			
Amino Compounds	https://www.slideshare.net/pramodpadole35/amino-compounds-by-dr-pramod-r-padole	Dr Pramod R Padole			
Benzene Diazonium Chloride	https://www.slideshare.net/pramodpadole35/benzene-diazonium-chloride-by-dr-pramod-r-padole	Dr Pramod R Padole			
Amino acids & Proteins	https://www.slideshare.net/pramodpadole35/amino-acids-proteins-by-dr-pramod-r-padole	Dr Pramod R Padole			

B. Sc. Part – III (Semester – VI)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
NMR	https://www.slideshare.net/Munna19/nmr-231168675	Dr. N. R. Thakare			
UV-Visible Spectroscopy	https://www.slideshare.net/pramodpadole35/uv-visible-spectroscopy-by-dr-pamod-r-padole	Dr Pramod R Padole			
IR Spectroscopy	https://www.slideshare.net/pramodpadole35/ir-spectroscopy-by-dr-pramod-r-padole	Dr Pramod R Padole			
NMR Spectroscopy	https://www.slideshare.net/pramodpadole35/nmr-spectroscopy-by-dr-pramod-r-padole	Dr Pramod R Padole			
Mass Spectroscopy	https://www.slideshare.net/pramodpadole35/mass-spectroscopy-by-dr-pramod-r-padole	Dr Pramod R Padole			
		Dr. S. A. Wadhal	NMR	https://www.youtube.com/watch?v=2mgqAJQxaCY	
		Dr. S. A. Wadhal	NMR	https://www.youtube.com/watch?v=77cEO4_vT34	
Organometallic Chemistry	https://www.slideshare.net/GajananDongare/organometallic-chemistry-gmdongare	Dr. G. M. Dongare			

Shri Shivaji Science College, Amravati

E – Contents for Post Graduate Students

Department of Chemistry

M. Sc. Part – I (Semester – I)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Nuclear Chemistry	https://drive.google.com/file/d/1xbqWAoTV_g1S76Gtuheb612z5MQCiBM6/view?usp=sharing	Dr. A. S. Bhurghate			
Aromatic Electrophilic substitution	https://docs.google.com/presentation/d/1iqEJiscOI3WFm5i27vJb04fCbXnsbmKzMH_fDw7Fd3c/edit?usp=sharing	Dr. A. B. Bodade			
Aromatic Substitution	https://www.slideshare.net/Munna19/aromaticsubstitution-for-pg	Dr. N. R. Thakare			
Air Pollution	https://www.slideshare.net/Munna19/nrt-air-pollution-1-231168772	Dr. N. R. Thakare			
Collision theory, derivation, limitation, assumption	https://www.slideshare.net/ProfYogitaThakare/chemical-dynamics-introcollision-theory	Dr. Y. S. Thakare			
Lindemann theory, TST, derivation, application, limitation	https://www.slideshare.net/ProfYogitaThakare/chemical-dynamics-introtst-lindemann-theory	Dr. Y. S. Thakare			
RRK and RRKM theory	https://www.slideshare.net/ProfYogitaThakare/chemical-dynamics-introrrk-rrkm-theory	Dr. Y. S. Thakare			

M. Sc. Part – II (Semester – III)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Nuclear	https://www.slideshare.net/pramodpadole35	Dr Pramod R			

Magnetic Resonance Spectroscopy	/mscpartii-sem-iii-unit-iv-nuclear-magnetic-resonance-spectroscopy	Padole			
Alkaloids Morphine	https://drive.google.com/file/d/17w8WfSQNIaIO3x7R30AfF1UgPX7iRbhR/view?usp=sharing	Dr. S. A. Wadhal	IR theory	https://drive.google.com/open?id=1g2YQ5DIATXQwbng11g-aQRah6PkLDYnR&authuser=0	Dr. S. A. Wadhal
Nicotine	https://drive.google.com/file/d/15Yy8MNplcnCIEqkcfPp9ebNWcN-EA16M/view?usp=sharing	Dr. S. A. Wadhal	IR Instrumentation	https://drive.google.com/file/d/1afhPHZgGMqKqwaQhBvMTMHoPBty2ZUYR/view?usp=sharing	Dr. S. A. Wadhal
Papaverine	https://drive.google.com/file/d/1mWSclmg6pUsEfKEjTXRQMuO6pSHKumE9/view?usp=sharing	Dr. S. A. Wadhal	XRD Theory	https://drive.google.com/file/d/1SejQmYbggnFatRHn4X5L8zFA5erGwEA/view?usp=sharing	Dr. S. A. Wadhal
Reserpine	https://drive.google.com/file/d/12JUysuL7kXz2gSp3U2OtWzxtwPSCWfr7/view?usp=sharing	Dr. S. A. Wadhal	UV-Visible Instrumentation	https://drive.google.com/file/d/1-ezIHiucf_OMa9AXDla3g2tzV00MRqkh/view?usp=sharing	Dr. S. A. Wadhal
Terpenoid Camphor	https://drive.google.com/file/d/1C-FdMQtenLeLRhYqbaPe2ydUEV4huVa/view?usp=sharing	Dr. S. A. Wadhal	Basic application of Chemistry	https://drive.google.com/file/d/1Pr3fgVfySnXHX08oo5yippwnqWf6pUwc/view?usp=sharing	Dr. S. A. Wadhal
Polarography , Principle, Instrumentation and working	https://www.slideshare.net/ProfYogitaThakare/lect-1-electroanalytical-techniquepolarography-introduction-principle-instrument	Dr. Y. S. Thakare			
Dropping Mercury Electrode-Structure-Uses-Advantages-Limitations	https://www.slideshare.net/ProfYogitaThakare/lect-2-dmg-structureusesadvantageslimitation	Dr. Y. S. Thakare			

Shri Shivaji Science College, Amravati

E – Contents for Post Graduate Students

Department of Chemistry

M. Sc. Part – I (Semester – II)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Adsoption	https://docs.google.com/presentation/d/1Ui6-9ml-AepNDi9acNO_UL9_YjO5faiabAcPVEcTozM/edit?usp=sharing	Dr. G. N. Chaudhari	Macromolecules	https://youtu.be/ivSVL8gKDL4	Dr. G. N. Chaudhari
Micelles	https://docs.google.com/presentation/d/1C22jmxRrR9tjWz54um6epVBxvevm1v6kxGvrDH3vol8/edit?usp=sharing	Dr. G. N. Chaudhari	Macromolecules	https://youtu.be/frUbGgH_XNk	Dr. G. N. Chaudhari
		Dr. G. N. Chaudhari	General	https://youtu.be/xijrY8t8fo	Dr. G. N. Chaudhari

M. Sc. Part – II (Semester – IV)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Mass Spectroscopy	https://docs.google.com/presentation/d/1_niFs_m50Qg1ZKlyJURPeaPCLUco-zFXU9g_aB1DZQfk/edit?usp=sharing	Dr. G. N. Chaudhari			
FTIR	https://docs.google.com/presentation/d/1h84KxSGL6IEH23b9_15KriYa7RA5X1fgE2aY0b6fJKc/edit?usp=sharing				
IR SPECTROSCOPY	https://docs.google.com/presentation/d/1uKVCoZLMbXpkb6oHypDk9YgxwMGg9u-6OTHrjbh70Xg/edit?usp=sharing				
		Dr. S. A. Wadhal	Oxidation and Reduction(I)	https://www.youtube.com/watch?v=0-yGQkHq0W4	Dr. S. A. Wadhal

		Dr. S. A. Wadhal	Oxidation and Reduction(II)	https://www.youtube.com/watch?v=7VnAtCc7n-M	Dr. S. A. Wadhal
		Dr. S. A. Wadhal	Oxidation and Reduction(III)	https://www.youtube.com/watch?v=hlbBmZFJ-o	Dr. S. A. Wadhal
Introduction to Research for Project Work	https://www.slideshare.net/GajananDongare/introduction-to-research-234028288	Dr. G. M. Dongare			
		Dr. Y. S. Thakare			
Thesis writting	https://www.slideshare.net/harshaliwankhade/research-report-and-thesis-writting	Dr. H. G. Wankhade			

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Physics

B. Sc. Part – I (Semester – I)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. W. S. Barde	https://classroom.google.com/c/MTQ0MDMxNjcxODE2?cjc=bij3rql	bij3rql
2	Dr. P.A. Nagpure	https://classroom.google.com/c/MTc0NzI5OTQwMTA4?cjc=53wj7ns	53wj7ns
3	Dr.Swapnil S Arsad	https://classroom.google.com/c/MTc0NzI5OTQwMTA4?cjc=53wj7ns	53wj7ns
4	Dr. Naresh N Sarkar	https://classroom.google.com/c/MTQ0MDMxNjcxODE2?cjc=bij3rql	bij3rql
5	Dr. A.B. Bodade	https://classroom.google.com/c/MTQ0MDMxNjcxODE2?cjc=bij3rql	bij3rql
6	Dr. S.K. Sayyad	https://classroom.google.com/c/MTc0NzI5OTQwMTA4?cjc=53wj7ns	53wj7ns
7	Dr. Radhika G Deshmukh		

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Unit III	https://drive.google.com/file/d/1JBuDsNaKnGy5gc0drGUdtGCEKTEQ9Cj/view?usp=sharing	Dr. W. S. Barde	Information about Internal Assessment Marking System	https://drive.google.com/file/d/1JlCwRUCR5midxnHgRvcdH_L0Zlen3TQW/view?usp=sharing	Dr. W. S. Barde
Unit V	https://drive.google.com/file/d/1F-OETvWttkShj7g6tZEptFuYVyzSfngi/view?usp=sharing		Sem I Unit III Introduction to SHM : Equation of SHM, Displacement , velocity & Acceleration	https://drive.google.com/file/d/1llh_F7dUz8xZaAZpfc9hxnGGI4OvyOK/view?usp=sharing	
Unit1 Kepler's Laws Of Planetary Motion and Gravitation	https://drive.google.com/file/d/1fk2NlyjPicAzXGm6ZaIWLAhJlfB05mbF/view?usp=sharing	Dr. P.A. Nagpure	Sem I Unit III Energy of Harmonic Oscillator	https://drive.google.com/file/d/1aGzs0doCR2Xz_prm_WuYob_3dQvz-67z/view?usp=sharing	
Unit 2 Rotational Motion and Moment Of Inertia	https://drive.google.com/file/d/1yxDvxiFH0zFXhKKgY5WFzOt2ybihRe4Q/view?usp=sharing		B.Sc. I Sem I Unit III Compound Pendulum	https://drive.google.com/file/d/13li1bp_pUjijXFTci3t4c3dWy0cM00eA/view?usp=sharing	
Unit 5 Properties Of	https://drive.google.com/file/d/1ZxXeg2ULtKFCoevmCQKV		Sem I Unit III	https://drive.google.com/	

Matter : Elasticity	5o1-D7aH9XMF/view?usp=sharing		<ul style="list-style-type: none"> Kater's Pendulum SHM of bar magnet in the Earth's magnetic field 	file/d/1dT9syYmFEJ_uyYa2LZVEhKgea_Hnb_ve/view?usp=sharing	
Unit 6 Properties of Fluid Surface Tension Viscosity	https://drive.google.com/file/d/146PSB3g5B7x2aLhuJhB9TlJFCDsKZV44/view?usp=sharing			https://drive.google.com/drive/folders/1UqMuWH5c0toj3but22cjwn9HZFhSATL7?usp=sharing	S.S.Arsad
Surface Tension & Elasticity	https://drive.google.com/drive/folders/1HNI_B6jKsEuF1umX8VotxK0bqV-zTi-s?usp=sharing	Dr. S.S Arsad			
Motion of Rigid body	https://drive.google.com/file/d/1r5hIIBNOhkaYtSVFNHvNGAHLSHT4Qusm/view?usp=sharing	Dr. Naresh N Sarkar			
Conservation of Linear Momentum	https://drive.google.com/file/d/1L8nn_tx-h-YB7FUUOliFVsx8wbqTRPML/view?usp=sharing				
Angular Momentum	https://drive.google.com/file/d/10L69XmIvn6EUh5njAJw0m7Z4chc1Q5j4/view?usp=sharing				
Newtons Law	https://drive.google.com/file/d/1WGGwOuMlNaI3dISNQke7ElNm_uvsv8KR/view?usp=sharing				
Parallel axis theorem	https://drive.google.com/file/d/1oX2ymxnVbdrexudNuLFHcssB6wKcgL2W/view?usp=sharing				
Keplers law	https://drive.google.com/file/d/1nh71HLQpjyqm2p04rcPDap2aW7EaLuE/view?usp=sharing				
Elasticity	https://drive.google.com/file/d/1I9P1eFVc2bqlg2flxQbL0f3GYNs_ar1d/view?usp=sharing		Dr. A. B. Bodade		
Kinematics of moving fluid and surface tension	https://drive.google.com/file/d/1PWYfWfkTvhsWciJw5tGa7Q7n7m6EVJvl/view?usp=sharing	Dr. A. B. Bodade			
Simple Harmonic motion	https://drive.google.com/file/d/10c4I9b1qYuoQssYKXf6lra-c69k-SvT/view?usp=sharing	Dr. S.K. Sayyad			
			Oscillation and waves	https://youtu.be/_8tLO6yhzJs	Radhika G Deshmukh
				https://youtu.be/dlc-sqNDxG8	Radhika G Deshmukh
				https://youtu.be/EyZ	Radhika G

				NbKUQIA0https://youtu.be/dlc-sqNDxG8	Deshmukh
--	--	--	--	---	----------

B. Sc. Part – II (Semester – III)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. P.A. Nagpure	https://classroom.google.com/c/MTQ0MDMxNjcxOTE5?cjc=b73es4y	b73es4y
2	Dr. Swapnil S. Arsad	https://classroom.google.com/c/MTQ0MDMxNjcxODc5?cjc=hueh4my	hueh4my
3	Dr. V. V. Deshmukh	https://classroom.google.com/c/MTQ0MDMxNjcxOTE5?cjc=b73es4y	b73es4y
4	Miss. S. M. Butte	https://classroom.google.com/c/MTQ0MDMxNjcxODc5?cjc=hueh4my	hueh4my
5	Dr. Pankaj P. Khirade	https://classroom.google.com/c/MTQ0MDMxNjcxOTE5?cjc=b73es4y	b73es4y
	Dr. Naresh N Sarkar	https://classroom.google.com/c/MTQ0MDMxNjcxODc5?cjc=hueh4my	hueh4my
6	Dr. Archana B. Bodade	https://classroom.google.com/c/MTQ0MDMxNjcxODc5?cjc=hueh4my	hueh4my

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Unit 1 Mathematical Background : Electromagnetism	https://drive.google.com/file/d/1ES5hm7zW2LaVapuFsap-b30VgRDDB-36/view?usp=sharing	Dr. P.A. Nagpure			
Unit 2 Maxwell's Equations, Electromagnetic Waves	https://drive.google.com/file/d/1fF5PRNvt1VB4an6QidV3eHkGsnhyl4At/view?usp=sharing				
Unit 3 Semiconductor, Semiconductor Diodes	https://drive.google.com/file/d/1fk2NlyjPicAzXGm6ZaIWLAhJlfB05mbF/view?usp=sharing				
Unit 4 Op-amp and applications	https://drive.google.com/file/d/1yxDvxiFH0zFXhKKgY5WFzOt2ybihRe4Q/view?usp=sharing				
Unit 5 Special theory of relativity	https://drive.google.com/file/d/1-LclcrglZ91ZNgCEoeqlfHrNr9KrSndV/view?usp=sharing				

ED 1&2	https://drive.google.com/drive/folders/1tRB9oaAzHIXHh7fV5JVzEHpX8Ckmu_JC?usp=sharing	S.S Arsad		https://drive.google.com/drive/folders/1peyJPQT4IfSn8v9eWGeJWUNyZ-rJD3o1?usp=sharing	
Semiconductor	https://drive.google.com/file/d/18vgbDc15a5OQrddU8gum36xbzyMhNeKZ/view?usp=sharing	Dr. V. V. Deshmukh			
Solid State Devices I: Lecture1	https://drive.google.com/file/d/1fPTyMYJQh7QKZZgfKYd2_s0N_KnswlAj/view?usp=sharing				
Solid State Devices I: Lecture2	https://drive.google.com/file/d/1X9Q6nQTApzExjOsDq-z_BwGagiJlnBQF/view?usp=sharing				
Solid State Devices I: Lecture3	https://drive.google.com/file/d/10Nalt8DvWvua_Q4SUXR-mvqkktXSDgfl/view?usp=sharing				
Solid State Devices : Lecture4	https://drive.google.com/file/d/10Nalt8DvWvua_Q4SUXR-mvqkktXSDgfl/view?usp=sharing				
Solid State Devices I: Lecture5	https://drive.google.com/file/d/1eLe9XIsZuqEl0B1ePN0w-1OudzQrTjOd/view?usp=sharing				
Solid State Devices II: Lecture1	https://drive.google.com/file/d/1k5hnhVz2yf2Duou9yRvfc_4vOwubvfay/view?usp=sharing				
Solid State Devices II: Lecture2	https://drive.google.com/file/d/1n1KDP9IDzcwSfJE9k7IChYmDecNqzfc/view?usp=sharing				
Solid State Devices II Lecture3	https://drive.google.com/file/d/1nrxq1Gmj6N-cMUz4Ezfb5Kwlp-4YDbm/view?usp=sharing				
Introduction to Op-Amp	https://www.slideshare.net/vaishalideshmukh22/opamp-1-234551722				
Op-Amp Applications	https://www.slideshare.net/vaishalideshmukh22/opamp-2-234551859				
Numericals on Special theory of	https://classroom.google.com/w/MTQ0MDMxNjcXOTE5/tc/MjQ5MDI1MTY3NjYz	Miss. S. M. Butte			

relativity				
Special theory of relativity	https://classroom.google.com/c/MTQ0MDMxNjcxOTE5/p/MjQ4NzMwNjg0ODE3/details			
Atmosphere and Geophysics	https://classroom.google.com/c/MTQ0MDMxNjcxODc5/m/Mjc1MDcwNzM2NDE5/details	Dr. A. B. Bodade		
Special theory of relativity	https://drive.google.com/file/d/1yVXJTq0I5x0McyVTW0aP4Yx5grHq591m/view?usp=sharing			
Chapter-2: Magnetostatics and Maxwell's Equations	https://www.slideshare.net/secret/uWqLbDV97bBB4W	Dr. Pankaj P. Khirade		
BJT	https://drive.google.com/file/d/1YilWbRsv150-TsOckoszAyKsSih2ThAh/view?usp=sharing	Dr. Naresh N Sarkar		
Differential amplifier	https://drive.google.com/file/d/1DrX8cHJ8U0kKutq4zTJ0nKsGec0PN8A3/view?usp=sharing			
Semiconductor Physics	https://drive.google.com/file/d/12frKPn1sITwAlxPytQjJFz5wHJmgs_GE/view?usp=sharing			
Hall effect	https://drive.google.com/file/d/1r2xfDK_S3jRQRJRe-qiA7E2XyQW-IQG5/view?usp=sharing			
Semiconductor diode	https://drive.google.com/file/d/1tV3DKdCBYx6c7ds5zkugOMVXNOm0Cqxt/view?usp=sharing			

B. Sc. Part – III (Semester – V)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. W. S. Barde	https://classroom.google.com/c/MTQ0MDMxNjcxOTUx?cjc=wocbygf	wocbygf
2	Dr. P.A. Nagpure	https://classroom.google.com/c/MTQ0MDMxNjcxOTQw?cjc=5no5gou	5no5gou
3	Dr. V. V. Deshmukh	https://classroom.google.com/c/MTQ0MDMxNjcxOTUx?cjc=wocbygf	wocbygf
4	Miss. S. M. Butte	https://classroom.google.com/c/MTQ0MDMxNjcxOTQw?cjc=5no5gou	5no5gou
5	Dr. Pankaj P. Khirade	https://classroom.google.com/c/MTQ0MDMxNjcxOTUx?cjc=wocbygf	wocbygf
6	Dr. S.K. Sayyad	https://classroom.google.com/c/MTQ0MDMxNjcxOTQw?cjc=5no5gou	5no5gou
7	DrRadhika G Deshmukh		

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Sem V : History of an Atom	https://drive.google.com/file/d/1kEcgrlYfbxXAYOgFbgh6MvddH-T4JvOX/view?usp=sharing	Dr. W. S. Barde	Vector Atom Model : Space Quantization & Electron Spin	https://drive.google.com/file/d/1yx8t-oTToQ6e-4Q4qwOXtgJR6o6Y6bAV/view?usp=sharing	Dr. W. S. Barde
Sem V : Vector Atom Model & Quantum Numbers	https://drive.google.com/file/d/1R2Cw404T-gY7zv4TZILROkmoxuSNhmr1/view?usp=sharing		Stern- Gerlach Experiment	https://drive.google.com/file/d/10Js1GDJoXubcLe8GE3gYStB_VsJ_Vihl/view?usp=sharing	
Lecture Notes : Unit III	https://drive.google.com/file/d/1RgG4QZItNBw4p_TW2xZeaBz3zKlZ5bZ8/view?usp=sharing		Stern- Gerlach Experiment	https://drive.google.com/file/d/1ar_lxxwmOANvwx6pXxY53tiFXWA1eya/view?usp=sharing	
Lecture Notes : Unit IV	https://drive.google.com/file/d/1tsve5XVyetMzvyzNgXznVfAjj9fl7y2vy/view?usp=sharing		Spin-Orbit Interaction and L-S	https://drive.google.com/file/d/1wAq97TpDI7K5Dj_oH6DqrLQ9dyziDHvB/view?usp=sharing	

			Coupling Scheme		
Unit 1 Origin of quantum mechanics	https://drive.google.com/file/d/1j189vUKRd5s8E6T8Gm-S5QrBqo7VfJdl/view?usp=sharing	Dr. P.A. Nagpure	UV VIS Spectroscopy Part I	https://drive.google.com/file/d/1E6eNsHIXfcsW8rpSYbuv6SAJGWde6a/view?usp=sharing	
Unit 2 Schrodinger equation and Application	https://drive.google.com/file/d/1So0RAQ-oF-6yckmAQ0IoobdaR7KG-so0/view?usp=sharing		UV VIS Spectroscopy Part II	https://drive.google.com/file/d/18dYELMo-YEuFwQUqCM0g2e0N42r-fDeD/view?usp=sharing	
Unit 3 Atomic and molecular Physics	https://drive.google.com/file/d/1Kf8spHvB0uRHJH13SpWxIFf3GHXKpgtH/view?usp=sharing		Atomic & Molecular Spectra	https://drive.google.com/file/d/1jwIPFXDttQP6uwZX_w5cOmYtntWgIfKv/view?usp=sharing	
Unit 4 Nuclear Physics	https://drive.google.com/file/d/111TV1gjVSRleHWTUsvOusxzj4M8jnPz/view?usp=sharing		Vector Atom Model : Space Quantization & Electron Spin	https://drive.google.com/file/d/1yx8t-oTToQ6e-4Q4qwOXtgJR6o6Y6bAV/view?usp=sharing	
Feedback in Amplifier	https://www.slideshare.net/vaishalideshmukh22/feedback-in-amplifier	Dr. V. V. Deshmukh			
Oscillators	https://www.slideshare.net/vaishalideshmukh22/introduction-to-oscillators				
Multivibrators	https://www.slideshare.net/vaishalideshmukh22/introduction-to-multivibrators				
Nuclear Physics	https://classroom.google.com/c/MTQ0MDMxNjcOTQw/m/MjQ5MDQzMTM1NDcx/details	Miss. S. M. Butte			
Chapter-1: Origin of Quantum-mechanics	https://www.slideshare.net/PankajKhirade1/origin-of-quantum-mechanics-chapter-1	Dr. Pankaj P. Khirade			

Chapter-2: Schrodinger -equation and its applications	https://www.slideshare.net/PankajKhirade1/sc-hrodinger-equation-and-its-applications-chapter-2				
Chapter 5 Hybrid parameter and Transistor Amplifier	https://classroom.google.com/c/MTQ0MDMxNjcxOTQw/m/MjQ5MTgwMzA5MTk3/details	Dr. S. K. Sayyad			
Oscillator	https://drive.google.com/file/d/1NzeOMy3L6z0W1C63IGGIIPGSJUEBjEr/view?usp=sharing		Feedback in amplifier	https://drive.google.com/file/d/1JmlLWutZSnn-d6UEWutc5iIEFAqrkpBJ/view?usp=drivesdk	DrRadhika G Deshmukh
Multivibrat ors	https://drive.google.com/file/d/1QLRl2jYxbMPNCrm_7EPYAC83vzuRCZHu/view?usp=sharing		https://drive.google.com/file/d/1PEwUrtehLKUeIe8nT6DHXRWflfOSvYzS/view?usp=drivesdk		
			https://drive.google.com/file/d/1VW5kmG9DD0aHuDzGAoyTt5S1WbsaUsSt/view?usp=drivesdk https://drive.google.com/file/d/1Mib_		
			: https://drive.google.com/file/d/1IrkdhfKslMKpd_TQPHBeAPtrQHD1kd4b/view?usp=drivesdk		
			https://drive.google.com/file/d/1Mib_a-sWEwAwB7Z5mQ2N4BcMQjOZdO5Y/view?usp=drivesdk		
			https://drive.google.com/file/d/1JmlLWutZSnn-d6UEWutc5iIEFAqrkpBJ/view?usp=drivesdk		
			https://youtu.be/JKxS6BNaMZs		

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of _____

M. Sc. Part – I (Semester – I)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. P.A. Nagpure	https://classroom.google.com/c/MTcwMjYzNjIwODY5?cjc=m7bijz2	m7bijz2
2	Dr. Pankaj P. Khirade	https://classroom.google.com/c/MTcwMjYzNjIwODY5?cjc=m7bijz2	m7bijz2
3	Miss. S. M. Butte	https://classroom.google.com/c/MTcwMjYzNjIwODY5?cjc=m7bijz2	m7bijz2

Notes and PowerPoints

Links to Video Lectures

Topic	Link	Teacher	Topic	Link	Teacher
Unit 1 Basic Quantum Mechanics	https://drive.google.com/file/d/1jI89vUKRd5s8E6T8Gm-S5QrBqo7VfJdl/view?usp=sharing	Dr. P.A. Nagpure			
Unit 2 Hermitian Operators, Dirac's Notation's, Hilbert Space	https://drive.google.com/file/d/1So0RAQ-oF-6yckmAQ0loobdaR7KG-so0/view?usp=sharing				
Unit 3 Operator Method, Harmonic Oscillator, Hydrogen Atom	https://drive.google.com/file/d/1So0RAQ-oF-6yckmAQ0loobdaR7KG-so0/view?usp=sharing				
Unit 4 Angular momentum	https://drive.google.com/file/d/1So0RAQ-oF-6yckmAQ0loobdaR7KG-so0/view?usp=sharing				
Unit 5 Representation in QM and Approximation Methods	https://drive.google.com/file/d/1So0RAQ-oF-6yckmAQ0loobdaR7KG-so0/view?usp=sharing				
Methods for determination of zeros of linear and	https://classroom.google.com/c/MTcwMjYzNjIwODY5/m/Mjc0NzUzODMxOTE3/details	Miss. S. M. Butte			

nonlinear equations.					
Classical Mechanics	https://www.slideshare.net/PankajKhirade1/classical-mechanicsmsc	Dr. Pankaj P. Khirade			

M. Sc. Part – II (Semester – III)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. N.N. Sarkar	https://classroom.google.com/c/MTcwMjYzNjlxMDA5?cjc=nzjgqzk	nzjgqzk
2	Dr.A. B. Bodade	https://classroom.google.com/c/MTcwMjYzNjlxMDA5?cjc=nzjgqzk	nzjgqzk
3	Dr. S.K. Sayyad	https://classroom.google.com/c/MTcwMjYzNjlxMDA5?cjc=nzjgqzk	nzjgqzk

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Structure of Solid And Importance of Miller Indices Part 01	https://youtu.be/SCxFase5f3E	Dr. N.N. Sarkar			
Structure of Solid And Importance of Miller Indices Part 02	https://youtu.be/svzlO1Y9UvY				
X-ray diffraction	https://youtu.be/9vlwj_F92F8				
Determination of Crystal Structure	https://youtu.be/aK5_GcqUag4				

3 PHY-4(ii) : CONDENSED MATTER PHYSICS-I Unit -1	https://drive.google.com/file/d/15uStabM6U2xb72J7PkkTQQgIARjuVHd/view?usp=sharing	Dr.A. B. Bodade			
3 PHY -3 Atomic and molecular Physics	https://drive.google.com/file/d/1fBWkvHCfyJdPZ0ubO3DEAWeCn8G5Zcs/view?usp=sharing	Dr. S.K. Sayyad			
Vector Atom Model	https://drive.google.com/file/d/1r_DVEQOr_YFOpiZ2cP9MEkJvdcEw_VEN/view?usp=sharing				

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of _____

M. Sc. Part – I (Semester – II)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code

Notes and Power Points			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher

M. Sc. Part – II (Semester – IV)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. W. S. Barde		
2	Dr.Swapnil S. Arsad		
3	Dr. Vaishali V. Deshmukh		

Notes and Power Points			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Sem IV Unit-I	https://drive.google.com/file/d/1nbjWCq-LyWBlmcAYqYK0E4bdEiJxW7P7/view?usp=sharing	Dr. W. S. Barde			
Sem IV Unit-II	https://drive.google.com/file/d/17q3A0MmM2LvhyGyzs4VBG7zhvn7EEeMq/view?usp=sharing				
Sem IV Unit-III	https://drive.google.com/file/d/1YIFhdpKYVmUu_8VrKgLSiHIFi-uEA1iH/view?usp=sharing				
Sem IV Unit-IV	https://drive.google.com/file/d/1FrYluYyNr1OVRcXqPDyYcFeoPAWzHGMK/view?usp=sharing				

Sem IV Unit-V	https://drive.google.com/file/d/1hQ9bk9aNI-NflwLiSZfMLwq3cyDujiti/view?usp=sharing				
Plasma Physics	https://drive.google.com/drive/folders/1W3gQBkE6NRqjrRiCezhtZh1plYAXwJLS?usp=sharing	S.S Arsad		https://drive.google.com/drive/folders/1EnzBu6wb65M7ghqmenJfnu0EZb9JITTW?usp=sharing	S.S.Arsad
Operational Amplifier	https://www.slideshare.net/vaishalideshmukh22/opamp-1-234551722 https://www.slideshare.net/vaishalideshmukh22/opamp-2-234551859	Dr. VVD			

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Computer Science

B. Sc. Part – I (Semester – I)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Mr. Mukul M. Bhonde	https://tinyurl.com/1pi86sxw	gqc2yov
2	Mr. Yogesh V. Hushare	https://tinyurl.com/1kxh4zwx	twu5qm5

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Unit-4,5,6: C Programming	https://tinyurl.com/1pi86sxw	Mr. M. M. Bhonde			
Unit-1 Introduction to Computers	https://tinyurl.com/yd76kvnp	Mr. Hushare Y.V.			

B. Sc. Part – II (Semester – III)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Mr. Mukul M. Bhonde	https://tinyurl.com/s9sbklug	p3mzjmm
2	Dr. Ujwala S. Junghare	https://tinyurl.com/bkflyc8d	ynrvvc3

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Unit IV: Object Oriented Programming Concepts	<ol style="list-style-type: none"> https://tinyurl.com/gilo75r7 https://www.slideshare.net/DrUjwala1 	Dr. U.S. Junghare			
Unit-V: Functions in C++	<ol style="list-style-type: none"> https://tinyurl.com/13usj5f3 	Dr. U.S. Junghare			

B. Sc. Part – III (Semester – V)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. Ujwala S. Junghare	1. https://tinyurl.com/f3bvfnsm 2019-20 2. https://tinyurl.com/8c96yrg3 2020-21	dybgqpy mypmldc
2	Mr. Yogesh V. Hushare	1. https://tinyurl.com/3sjs4hnf	omivdsp

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Unit-1: Introduction to .Net Framework	https://tinyurl.com/4tlnax2h	Dr. U.S. Junghare			
Unit-2: Introduction to Visual Programming	https://tinyurl.com/1h9tpdjc	Dr. U.S. Junghare			
Unit-3: Decisions and Loops	https://tinyurl.com/1iv1d7tj	Dr. U.S. Junghare			

B. Sc. Part – I (Semester – II)**Google Classrooms**

S.N.	Name of the Teacher	Joining Link	Class Code
1	Mr. Mukul M. Bhonde	https://tinyurl.com/ygbwsl28	xo5o56y
2	Dr. Ujwala S. Junghare	https://tinyurl.com/4ogr7rwx	gfa62su

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Unit-2: XML	https://tinyurl.com/1em310e0	Dr. U.S. Junghare			
Unit-3: CSS and HTML	https://tinyurl.com/23off936	Dr. U.S. Junghare			

B. Sc. Part – II (Semester – IV)**Google Classrooms**

S.N.	Name of the Teacher	Joining Link	Class Code
1	Mr. Mukul M. Bhonde	https://tinyurl.com/yqorurac	u4g5s65
2	Mr. Yogesh V. Hushare	https://tinyurl.com/v7ks252t	pwjn2vh

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Unit-1: Fundamentals of DBMS	https://tinyurl.com/1rhnnxer	Mr. Hushare Y.V.			
Unit-2: Relational Model	https://tinyurl.com/2tgqegjr	Mr. Hushare Y.V.			
Unit-5: PL/SQL, Cursor and Trigger	https://tinyurl.com/lq91gvrf	Mr. Hushare Y.V.			

B. Sc. Part – III (Semester – VI)**Google Classrooms**

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. Ujwala S. Junghare	https://tinyurl.com/f3bvfnsm	dybgqpy
2	Mr. Yogesh V. Hushare	https://tinyurl.com/thehushare	yy3ryyk

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Unit-1: Exception Handling and Multithreading	https://tinyurl.com/giv2jugk	Mr. Hushare Y.V.			
Unit-2: Applet Programming	https://tinyurl.com/3obawdgn	Mr. Hushare Y.V.			
Unit-3: AWT and Event Handling	https://tinyurl.com/oixdsqts	Mr. Hushare Y.V.			
Unit-4: Advance VB.Net	https://tinyurl.com/1fm8id3p https://www.slideshare.net/DrUjwala1	Dr. U.S. Junghare			
Unit-5: OOP in VB.Net	https://tinyurl.com/33aed7ze	Dr. U.S. Junghare			

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Computer Science

M. Sc. Part – I (Semester – I)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Prafull Shrikrishna Mankar	https://tinyurl.com/wgahnbt0	5q5vrvg
2	Sneha K.Kabire	https://tinyurl.com/wgahnbt0	5q5vrvg
3	Ms P V Bahadure	https://tinyurl.com/wgahnbt0	5q5vrvg
4	Mr.Amarpal D.Chavan	https://tinyurl.com/wgahnbt0	5q5vrvg

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Unit-I of Computer Network	https://tinyurl.com/w824e570	P.S.Mankar			
S/W development	https://tinyurl.com/55d9kbt4	S.K.Kabire			
Fact finding techniques	https://tinyurl.com/1k8lt38l	S.K.Kabire			
Introduction S/W engineering	https://tinyurl.com/55d9kbt4	S.K.Kabire			
Unit-I	https://tinyurl.com/2chxljgu	A.D.Chavan			
Break and Continue statement	https://tinyurl.com/2chxljgu	A.D.Chavan			
UNIT 1	https://tinyurl.com/5gmsxc3r	Ms P V Bahadure			
Master Page	https://tinyurl.com/1myuqavl	Ms P V Bahadure			

M. Sc. Part – II (Semester – III)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Sneha K.Kabire	https://tinyurl.com/10q1fnz7	4j5dq5g
2	Shilpa A. Kakade	https://tinyurl.com/10q1fnz7	4j5dq5g

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
PHP Arrays	https://tinyurl.com/1i8l1nre	S.A.Kakade			
Operators in PHP	https://tinyurl.com/bcm8dntb	S.A.Kakade			
Functions	https://tinyurl.com/1ri2m8ze	S.A.Kakade			
Phases of compiler construction	https://tinyurl.com/1u88dsmh	S.K.Kabire			
Code optimization	https://tinyurl.com/ohh0nyiu	S.K.Kabire			
Error correction	https://tinyurl.com/bf7cndxt	S.K.Kabire			

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Botany

B. Sc. Part – I (Semester – I)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	G.B.HEDAWOO	https://classroom.google.com/u/0/c/MTc0NzQzNjE3NDYy	
2	Rekha C. Maggirwar	https://classroom.google.com/c/MTc0NzQzNjE3NDYy?cjc=7ep2lbr	7ep2lbr
3		https://classroom.google.com/c/MTc0NzQzNjE3NDk2?cjc=7bpsepc	7bpsepc
4		https://classroom.google.com/c/MTc0NzQzNjE3NTMw?cjc=ouk6i4u	ouk6i4u
5	Dr. Swati V. Pundkar	https://classroom.google.com/u/0/c/MjU5OTA2NzAxMTAx	rfyp7cm

Notes and PowerPoints

Links to Video Lectures

Topic	Link	Teacher	Links to Video Lectures		
			Topic	Link	Teacher
Plant Kingdom	https://drive.google.com/file/d/1jgHhXMdGPIQrOCWlrEckHFkavUA69MuF/view?usp=sharing	G.B.HEDAWOO			
General Char. of Algae	https://drive.google.com/file/d/1DgFv2FDANo-4e0LhD9ChYygWsupvPZmX/view?usp=sharing	G.B.HEDAWOO			
Algal Habitats	https://drive.google.com/file/d/1DgFv2FDANo-4e0LhD9ChYygWsupvPZmX/view?usp=sharing	G.B.HEDAWOO			
Thallus organisation in Algae	https://drive.google.com/file/d/13e7h-DAoJ7ggsyoB2tYFZjz-6gR_sx0r/view?usp=sharing	G.B.HEDAWOO			
Reproduction in Algae	https://drive.google.com/file/d/1B6_vj15GkSsHHnz1Xl1EjMJrY8L5m2py/view?usp=sharing	G.B.HEDAWOO			
Life Cycle of Oedogonium	https://drive.google.com/file/d/16DlKNC6KjChKdQlOjPbK9vgt suaS5pgH/view?usp=sharing	G.B.HEDAWOO			
Life Cycle of Chara	https://drive.google.com/file/d/1UvCbVKw-Qk3fk6_A8pmID-aFLjrix2Ta/view?usp=sharing	G.B.HEDAWOO			
Life Cycle of	https://drive.google.com/file/d/1OCUJBOdpdoLojnz7vU8RjCj0ZkL7-pPJ/view?usp=sharing	G.B.HEDAWOO			

Sargassum				
Life Cycle of Batrachospermum	https://drive.google.com/file/d/1lqkGsc4m_pWlBA2UFck42O7d-KJtaQqn/view?usp=sharing	G.B.HEDAWOO		
Classification system by G M Smith	https://drive.google.com/file/d/1t_MOB6v_ZU7Q_KB8Wg2cA21oSbcEtrIq/view?usp=sharing	G.B.HEDAWOO		
Classification system by F E Fritsch	https://drive.google.com/file/d/1t_MOB6v_ZU7Q_KB8Wg2cA21oSbcEtrIq/view?usp=sharing	G.B.HEDAWOO		
Life Cycle of Albugo (Cystopus)	https://drive.google.com/file/d/1tzXw94pWlrRk_rKcELoR-WRmuFfM3JPF/view?usp=sharing	G.B.HEDAWOO		
Life Cycle of Aspergillus (Eurotium)	https://drive.google.com/file/d/1AV1bJmFp7rWszy4mt4897K49tu5sJO7_/view?usp=sharing	G.B.HEDAWOO		
Life Cycle of Puccinia	https://drive.google.com/file/d/1TB9pG2QjbGbOQm-7LG3ITXeqsNTxY-JA/view?usp=sharing	G.B.HEDAWOO		
Deuteromycotina: General Characters	https://drive.google.com/file/d/1iboqyuFi_-nElrA5ubUMB3SwG0qi4KG2/view?usp=sharing	G.B.HEDAWOO		
Lichens : Types & Economic Importance	https://drive.google.com/file/d/18r7VP46q0-lqcPYeVEOqRfC86QZjJiFP/view?usp=sharing	G.B.HEDAWOO		
Introduction to Plant Kingdom	https://www.slideshare.net/DrSwatiPundkar/introduction-to-plant-kingdom-bsci	Dr. Swati V. Pundkar		
Cyanobacteria- Structure and Reproduction	https://www.slideshare.net/DrSwatiPundkar/cynobacteria-structure-and-reproduction			
Cyanobacteria- Impact on origin of life	https://www.slideshare.net/DrSwatiPundkar/cynobacteria-impact-on-life	Dr. Swati V. Pundkar		

Diversity of Plants	https://www.slideshare.net/DrSwatiPundkar/diversity-of-plants-242830417	Dr. Swati V. Pundkar			
General account of Virus	https://www.slideshare.net/DrSwatiPundkar/general-account-of-virus	Dr. Swati V. Pundkar			
HIV	https://www.slideshare.net/DrSwatiPundkar/hiv-242832380	Dr. Swati V. Pundkar			
Cyanobacteria structure PDF notes	https://drive.google.com/file/d/1Qs4XjDaT62Ruo2k1Pt0GXvllsDSjl8YU/view?usp=sharing	Dr. Swati V. Pundkar			

B. Sc. Part – II (Semester – III)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. D.V.Hande	https://classroom.google.com/c/MTQxMTE1MTc3MzUw?cjc=fxzvhuk	Fxzvhuk
2	Dr. Swati V. Pundkar	https://classroom.google.com/u/0/c/MTAzOTExODAzMjU1	obvssuo

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Plant Anatomy-1	https://www.slideshare.net/dvhande/plant-anatomy1	Dr. D.V. Hande			
Plant anatomy-2	https://www.slideshare.net/dvhande/plant-anatomy-types-tissue	Dr. D.V. Hande			
Plant Anatomy-3	https://www.slideshare.net/dvhande/plant-anatomy1-242758923	Dr. D.V. Hande			
Plant Anatomy-4	https://www.slideshare.net/dvhande/plant-tissues-242761830	Dr. D.V. Hande			
Plant Anatomy-5	https://www.slideshare.net/dvhande/simple-permanent-tissue	Dr. D.V. Hande			
Stem Anatomy-6	https://www.slideshare.net/dvhande/stem-anatomy-242762388	Dr. D.V. Hande			
Stem Anatomy-7	https://www.slideshare.net/dvhande/stem-secondary-growth	Dr. D.V. Hande			
Root Anatomy-1	https://www.slideshare.net/dvhande/anatomy-of-dicot-roots-242762783	Dr. D. V. Hande			
Root Anatomy-2	https://www.slideshare.net/dvhande/root-anatomy-242762938	Dr. D.V. Hande			
Embryology of Angiosperms	https://www.slideshare.net/dvhande/embryology-of-angiosperms-242763530	Dr. D. V. Hande			
Embryology of Angiosperms	https://www.slideshare.net/dvhande/embryology-of-angiosperms-242763790	Dr. D.V. Hande			
Family-	https://www.slideshare.net/DrSwatiPundkar/bscii-introasteraceae	Dr. Swati V.			

Asteraceae		Pundkar			
Family-Asclepiadaceae	https://www.slideshare.net/DrSwatiPundkar/asclepiadaceae-family	Dr. Swati V. Pundkar			
Family-Apocynaceae	https://www.slideshare.net/DrSwatiPundkar/apocynaceae-family	Dr. Swati V. Pundkar			
Family-Euphorbiaceae	https://www.slideshare.net/DrSwatiPundkar/euphorbiaceae-242833487	Dr. Swati V. Pundkar			
Family-Lamiaceae	https://www.slideshare.net/DrSwatiPundkar/lamiaceae	Dr. Swati V. Pundkar			
Family-Liliaceae	https://www.slideshare.net/DrSwatiPundkar/liliaceae-242833677	Dr. Swati V. Pundkar			
Family-Poaceae	https://www.slideshare.net/DrSwatiPundkar/poaceae-242833849	Dr. Swati V. Pundkar			
Family-Solanaceae	https://www.slideshare.net/DrSwatiPundkar/solanaceae-242833917	Dr. Swati V. Pundkar			
Family-Verbenaceae	https://www.slideshare.net/DrSwatiPundkar/verbenaceae-242834002	Dr. Swati V. Pundkar			
Embryology-I	https://www.slideshare.net/DrSwatiPundkar/development-of-male-gametophyte-242999633	Dr. Swati V. Pundkar			
Embryology- II	https://www.slideshare.net/DrSwatiPundkar/development-of-female-gametophyte-242999688	Dr. Swati V. Pundkar			
Embryology- III	https://www.slideshare.net/DrSwatiPundkar/microsporogenesis-243088549	Dr. Swati V. Pundkar			
Embryology- IV	https://www.slideshare.net/DrSwatiPundkar/double-fertilization-and-triple-fusion	Dr. Swati V. Pundkar			

B. Sc. Part – III (Semester – V)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dinesh Khedkar (III MEB)	https://classroom.google.com/c/MTU4NDMwODU2MzAw?cjc=o3242ox	o3242ox
2	Dinesh Khedkar (III Bio)	https://classroom.google.com/c/MTU4NDMwODU2Mjkx?cjc=2pkf63p	2pkf63p
3	Dr. Tushar Wankhede	https://classroom.google.com/c/NjU5NTQ5ODE2ODRa	cftsuts

Notes and PowerPoints	Links to Video Lectures
-----------------------	-------------------------

Topic	Link	Teacher	Topic	Link	Teacher
Plant Physiology and Ecology	www.dineshkhedkar.co.in	Dinesh D Khedkar	Plant Physiology and Ecology	www.dineshkhedkar.co.in	Dinesh D Khedkar
Plant Physiology and Ecology	http://www.authorstream.com/sonudin/	Dinesh D Khedkar	Plant Physiology and Ecology	https://www.youtube.com/c/DrDineshKhedkar	Dinesh D Khedkar
Plant Water Relation	http://www.tusharwankhede.com/academics/ppt/UNIT-I%20PPT.pdf	Dr. Tushar Wankhede	Plant Water Relation	https://www.youtube.com/watch?v=VKrOrO2Sz8Y	Dr. Tushar Wankhede
Photosynthesis and Respiration	http://www.tusharwankhede.com/academics/ppt/UNIT-II%20PPT.pdf	Dr. Tushar Wankhede	Photosynthesis and Respiration	https://www.youtube.com/watch?v=VKrOrO2Sz8Y	Dr. Tushar Wankhede

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Botany

B. Sc. Part – I (Semester – II)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1.	Rekha C. Maggirwar	https://classroom.google.com/c/MTI0OTQ5NzZmMTE5?cjc=cik7al4	cik7al4

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
<i>Pinus and Gnetum</i>	https://classroom.google.com/w/MTI0OTQ5NzZmMTE5/t/all	Rekha C. Maggirwar	<i>Pinus Vegetative</i>	https://youtu.be/Xyv5g-0	Rekha C. Maggirwar
Notes					
<i>L. oldhamia</i> PPT	https://classroom.google.com/w/MTI0OTQ5NzZmMTE5/tc/MTAyNDYmMjcXNDYw		<i>Pinus Reproductive</i>	https://youtu.be/QoNudBo1ruw	
<i>Benettia</i> <i>es</i> PPT	https://classroom.google.com/w/MTI0OTQ5NzZmMTE5/tc/MTAyNDYmMjcXNDYw		<i>Gnetum Vegetative</i>	https://youtu.be/VSuuiLmARR0	
			<i>Gnetum Reproductive</i>	https://youtu.be/8ZK0XyvhtSQ	

B. Sc. Part – II (Semester – IV)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. D.V. Hande	https://classroom.google.com/c/NTc1NzIxOTc4OTda?cjc=clcbrhb	clcbrhb

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher

Plasmamembrane- Structure, models and functions	https://www.slideshare.net/dvhande/plasmamembrane-231750561	Dr. D. V. Hande			
Nucleus - structure and functions	https://www.slideshare.net/dvhande/nucleus-231749318	Dr. D.V. Hande			
Chloroplast - Structure and functions	https://www.slideshare.net/dvhande/chloroplast-231748078	Dr. D.V. Hande			
Peroxisomes - Structure and functions	https://www.slideshare.net/dvhande/peroxisomes-231746825	Dr. D.V. Hande			
Mitochondria Structure and functions	https://www.slideshare.net/dvhande/mitochondria-231745977	Dr. D.V. Hande			
Endoplasmic reticulum - Structure and functions	https://www.slideshare.net/dvhande/endoplasmic-reticulum-231745445	Dr. D.V. Hande			
Cell cycle- Mitosis and Meiosis	https://www.slideshare.net/dvhande/cell-cycle-231744713	Dr. D.V. Hande			
Plant Cell wall Structure and functions	https://www.slideshare.net/dvhande/cell-wall-structure-and-functions	Dr. D.V. Hande			
Vacuole- Structure and Functions	https://www.slideshare.net/dvhande/vacuole-231743806	Dr. D.V. Hande			

B. Sc. Part – III (Semester – VI)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Botany

M. Sc. Part – I (Semester – I)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dinesh Khedkar (III MEB)	https://classroom.google.com/c/MTU4NDMwODU2MzAw?cjc=o3242ox	o3242ox
2	Dinesh Khedkar (III Bio)	https://classroom.google.com/c/MTU4NDMwODU2Mjkx?cjc=2pkf63p	2pkf63p
3	Rekha C. Maggirwar	https://classroom.google.com/c/MjQ5NTU4NjY5NDU0?cjc=wj3jasa	wj3jasa
		https://classroom.google.com/c/MzlwODMyNzY2OTZa?cjc=e6ks5gq	e6ks5gq

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Molecular Biology and Biotechnology	www.dineshkhedkar.co.in	Dinesh D Khedkar	Molecular Biology and Biotechnology	www.dineshkhedkar.co.in	Dinesh D Khedkar
Molecular Biology and Biotechnology	http://www.authorstream.com/sonudin/	Dinesh D Khedkar	Molecular Biology and Biotechnology	https://www.youtube.com/c/DrDineshKhedkar	Dinesh D Khedkar
General Characteristics & Habitat of Algae	https://drive.google.com/file/d/1Gw9hC6TaOeuwoUvgaa5Sqx5AtcPe0TLA/view?usp=sharing	G.B.HEDA WOO			
Thallus Range in Algae	https://drive.google.com/file/d/1HOiG2bVvT8H2mAaXZ1eAvuxvWs-SqGld/view?usp=sharing	G.B.HEDA WOO			

Characteristics of Viruses & Diseases	https://drive.google.com/file/d/1fwuvndjhz-i3vjGskr6E7IC-qUtvhJRV/view?usp=sharing	G.B.HEDAWOO			
Characteristics & Diversity of Angiosperms	https://drive.google.com/file/d/1ROVT3VKp_Bjbgsczck6UqEfiV41xYhIR/view?usp=sharing	G.B.HEDAWOO			

M. Sc. Part – II (Semester – III)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Rekha C.Maggirwar	https://classroom.google.com/c/MTU5Njc2MzgyOTkz?cjc=mbpi376	mbpi376

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Introduction to Plant Pathology	https://drive.google.com/file/d/1SKb_BjdemPGoxkHd4woAacCEBbuO4eaC/view?usp=sharing	G.B.HEDAWOO			
Diseases of Chilli	https://drive.google.com/file/d/1ETCjCjBjtMzvDetcTakbL9RAYm3CMGrS/view?usp=sharing	G.B.HEDAWOO			
Diseases of Brinjal	https://drive.google.com/file/d/1_dCTZqrE2paU-y6S29Zu_ZNp77eSmoik/view?usp=sharing	G.B.HEDAWOO			
Diseases of Tomato	https://drive.google.com/file/d/1VQJZjzYvOQVJmmGeEvWe9z3QplDuicpO/view?usp=sharing	G.B.HEDAWOO			
Diseases of Potato	https://drive.google.com/file/d/14-KiC8jsNtnptrtAfVL24vd-kLpxzWc/view?usp=sharing	G.B.HEDAWOO			

Diseases of Cabbage	https://drive.google.com/file/d/1S_1Vb1MnA7ZpOmFWo7x7ZbFwbisYMyNF/view?usp=sharing	G.B.HEDAWOO		
Diseases of Bhindi	https://drive.google.com/file/d/1gi5-yAgIol4Mf4L776LbhHEDcVkcF_iF/view?usp=sharing	G.B.HEDAWOO		
Diseases of Cucurbits	https://drive.google.com/file/d/1md9PK5OBYIC9M49HkqdZdONpBbKtM--H/view?usp=sharing	G.B.HEDAWOO		
Diseases of Citrus	https://drive.google.com/file/d/1R56ivKMygUprc_SNzbKmvrnOVydCBw4I/view?usp=sharing	G.B.HEDAWOO		
Diseases of Mango	https://drive.google.com/file/d/1SmDFiWGRmwScyEagtW2-oVTANxoXJnN/view?usp=sharing	G.B.HEDAWOO		
Diseases of Grapes	https://drive.google.com/file/d/1_VkON65wIzhdxCXqAnjIW_Wn9xqcHD-6/view?usp=sharing	G.B.HEDAWOO		
Diseases of Banana	https://drive.google.com/file/d/1ElhNNXgiNzxvDUW8AxVvnf3zMYktIPV9/view?usp=sharing	G.B.HEDAWOO		
Diseases of Papaya	https://drive.google.com/file/d/1kxrqyGnfcXdnQHKQjxgzxsRdzlanYXfq/view?usp=sharing	G.B.HEDAWOO		
Blight of Rice	https://drive.google.com/file/d/187EmO4wHqhtBLHWmmocFajv3myjCjn20/view?usp=sharing	G.B.HEDAWOO		
Tundu Disease of Wheat	https://drive.google.com/file/d/187EmO4wHqhtBLHWmmocFajv3myjCjn20/view?usp=sharing	G.B.HEDAWOO		

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Botany

M. Sc. Part – I (Semester – II)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Rekha C.Maggirwar	https://classroom.google.com/c/MTAzNDUxNjI0MDUx?cjc=hrtkdwd	hrtkdwd

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Recent advances in Mycology	https://www.slideshare.net/dvhande/basic-and-applied-aspects-of-fungi	Dr. D.V. Hande			

M. Sc. Part – II (Semester – IV)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dinesh D Khedkar	https://classroom.google.com/c/MjU5NDMzMDY0OTc5?cjc=t2kmjr6	t2kmjr6
2	Rekha C. Maggirwar	https://new.edmodo.com/groups/msc-ii-35132734	xfztc

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Genetic Engineering and Biotechnology	www.dineshkhedkar.co.in	Dinesh D Khedkar	Genetic Engineering and Biotechnology	www.dineshkhedkar.co.in	Dinesh D Khedkar
Genetic Engineering and Biotechnology	http://www.authorstream.com/sonudin/	Dinesh D Khedkar	Genetic Engineering and Biotechnology	https://www.youtube.com/c/DrDineshKhedkar	Dinesh D Khedkar
Use of wild vegetables and	https://drive.google.com/file/d/1tjthwSF0Hv4Tv1x9u-bO6Acc2dfJVDnG/view?usp=sharing	G.B.HEDAWOO	Use of wild vegetables and		G.B.HEDAWOO

medicinal Plants by Tribal Community.			medicinal Plants by Tribal Community		
Medicinal Plant-Rauvolfiaserpentina		G.B.HEDAW OO	Medicinal Plant-Rauvolfiaserpentina	https://youtu.be/Haho2lvumek	G.B.HEDAW OO
Medicinal Plant-Aloe vera	https://drive.google.com/file/d/1TUMg-Tp7qA9uLbqwiL0OKrtdNI_fm24y/view?usp=sharing	G.B.HEDAW OO	Medicinal Plant-Aloe vera	https://youtu.be/wu_vLwBsQMY	G.B.HEDAW OO
Some ayurvedic, pharma & herbal beauty products		G.B.HEDAW OO	Some ayurvedic, pharma & herbal beauty products	https://youtu.be/_aKcJ6gxJEA	G.B.HEDAW OO

ShriShivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Environmental Science

B. Sc. Part – I (Semester – I)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1.	Dr. S. P. Ingole	https://classroom.google.com/c/MTUwNDM4OTU1MjYz?cjc=prdbp73	
2.	Dr. K. J. Gawai	Class Code : prdbp73	

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
			Water Distribution on Earth	https://drive.google.com/file/d/1ZZkMEOT7cATMCJX5r_xBOgCadz9y2NY/view?usp=sharing	Dr. S. P. Ingole
Unit I Fundamentals of Environmental Science	https://drive.google.com/drive/folders/1b7uP4T4RQ5gtMiGPGYgEdUsCayKdZX8J?usp=sharing	Dr. S. P. Ingole	Water Distribution on Earth	https://drive.google.com/file/d/1R8W7vmDlnGuywZxqs6GsU3hENVDr4UE_/view?usp=sharing	
Unit IV Environmental Meteorology II (Book Notes)	https://drive.google.com/file/d/1d_1nftoN1L8VfU2awcfxg9zHgbXdGzUA/view?usp=sharing	Dr. K. J. Gawai	Rocks	https://drive.google.com/file/d/1eSvLigyfF4Vq6eJATWeoakq_smNrMKhz/view?usp=sharing	
Unit IV Environmental Meteorology II (PPT)	https://drive.google.com/drive/folders/1Gf2Td2mQH3ZY6zH1b95W-U-PyjFh1o6-?usp=sharing		Ecological Role of Forest	https://drive.google.com/file/d/1iXKq29axXkAlt3uLMsRLuRNAMei0F54Q/view?usp=sharing	
Unit VI Marine Environment	https://drive.google.com/drive/folders/1GniF_rrvfjttUcWI		Structure of the Earth's Atmosphere	https://drive.google.com/file/d/1p0YYMzMlIoEc3eNFEzbvW_l4K7S4	

	WtkNQT_J5t1I6z8P?usp=sharing			W9o1/view?usp=sharing	
			Atmospheric Pressure	https://drive.google.com/file/d/1mQ16c8mH5_yG698s4vhoysAhPczJUz57/view?usp=sharing	Dr. K. J. Gawai
			Atmospheric Pressure	https://drive.google.com/file/d/1kxFxZGCcgAm7N6L21SoByCAC_nn2x4cm/view?usp=sharing	
			Precipitation	https://drive.google.com/file/d/1xBv5QOz5-u17iIHrNm3D60XsGGjLwvEV/view?usp=sharing	
			Forms of Precipitation	https://drive.google.com/file/d/1WhY1GJ1Emm6b0I9Zqi4KMxPrO7G_fViG/view?usp=sharing	
			El Nino	https://drive.google.com/file/d/1GNG3s7XFB_nDi90f2FTsEM57XXmToPr/view?usp=sharing	

B. Sc. Part – II (Semester – III)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1.	Dr. K. J. Gawai	https://classroom.google.com/c/MTAwNjE1NjE0MjEx?cjc=7pxkp54	
2.	Mr. V. D. Bute	Class Code : 7pxkp54	

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Unit I Fundamentals	https://drive.google.com/driv		Evaluation of	https://drive.google.com/file/d/1	

of Env. Chemistry	e/folders/1wqdCAXx0GXiC00PNw5FmmV5jzxINJrbP?usp=sharing	Mr. V. D. Bute	Toxicity	bI5OBdNXPjN3vCC4ioK7R1_amwVFOtv7/view?usp=sharing	Dr. K. J. Gawai
Unit VI Renewable Energy Sources	https://drive.google.com/drive/folders/1MXRXQ-awt5LaTUdsmFeKwEVHI4CqHegB?usp=sharing		Chronic Toxicity Test	https://drive.google.com/file/d/1cr-ANZ2dc8KG_HcXxIsT_d9JWoXRasq9/view?usp=sharing	
Unit III Toxicology I	https://drive.google.com/drive/folders/1LiDixat0nMSwRzu4ROB0MIR-CSjXvk7?usp=sharing	Dr. K. J. Gawai	Biomagnification	https://drive.google.com/file/d/1F8t53wajHsgUJ2HvKS17dajdxG68NDhT/view?usp=sharing	
Unit III Toxicology II	https://drive.google.com/drive/folders/1EhmjHbC5JSIQaPD915FJj8nljq8StZM0?usp=sharing		DDT, BHC, Aldrin	https://drive.google.com/file/d/1EtBoU2WO7NrNrtsLACHxohj1YZAb-iL/view?usp=sharing	
			Synthetic Detergent	https://drive.google.com/file/d/1k6XfEswU5KtFCgQ7yhz0rx14i2AGJWjd/view?usp=sharing	

B. Sc. Part – III (Semester – V)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1.	Dr. S. P. Ingole	https://classroom.google.com/u/0/c/MTIyODkzMDAzODI2	
2.	Mr. V. D. Bute	Class Code : 52jhj6	

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher

Unit II Air pollution Techniques	https://drive.google.com/drive/folders/1PfUaHREp2Z0OxlAQez741k7V5H1eLgQ9?usp=sharing	Dr. S. P. Ingole	Urban Planning	https://drive.google.com/file/d/1S47zyvyHL5shApdvKE0jZ3p7jCW7C8h8/view?usp=sharing	Dr. S. P. Ingole
Unit III Physicochemical Waste water Treatment Processes	https://drive.google.com/drive/folders/13EelPhhsbdRD47ES7mI9WYQ1l1ytVCvj?usp=sharing	Dr. S. P. Ingole	Personal Protective Equipment	https://drive.google.com/file/d/18s3UOZaNLRIllTFWBzMb0GNkzuzhxq34/view?usp=sharing	
Physicochemical Waste Water treatment Processes	https://drive.google.com/drive/folders/1Zj93Q2QaP7KL2nlAk-qXH5T4XNVrajsj?usp=sharing	Mr. V. D. Bute	Air Pollution Control	https://drive.google.com/file/d/1G9FOIEw0y506pgwOEZMuoNe4HBT0zwXa/view?usp=sharing	
Unit IV Solid Waste Disposal	https://drive.google.com/drive/folders/1J5NSG-VPpxm8xUKXEmwhM195KdFZg5IH?usp=sharing	Dr. S. P. Ingole	High Volume Sampler	https://drive.google.com/file/d/1BSqnZzvWcgSEfkFvJLK0elBXNV2NGKka/view?usp=sharing	
			Urban Planning	https://drive.google.com/file/d/12MuNLwsZsmDsrMialUorQHTvbInCJRB3/view?usp=sharing	

ShriShivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of _____

B. Sc. Part – I (Semester – II)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
2.	Dr. S. P. Ingole	https://classroom.google.com/c/MTUwNDM4OTU1MjYz?cjc=prdbp73	
2.	Dr. K. J. Gawai	Class Code : prdbp73	

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Ecotone	https://drive.google.com/file/d/1quLtaLk2nevYnl4e3vjid3YBEaxvwKHd/view?usp=sharing	Dr. S. P. Ingole			
Hydrosere	https://drive.google.com/file/d/1NFRoy5qlaBpvD_6QkbgoWRRsgkjhSA-W/view?usp=sharing				
Succession	https://drive.google.com/file/d/104tNhd-_60c5gXKj1w84CrOqEhY3qRs0/view?usp=sharing				
Xerosere	https://drive.google.com/file/d/1FhYZgUg5TJ_AA8icmcm-II7yRJ9JFUlq/view?usp=sharing				
Unit I Introduction to Ecology	https://drive.google.com/file/d/1Zlb4WbE4Mq1zSgeZWhmz32VmRmwThV-D/view?usp=sharing				
Ecosystem	https://drive.google.com/file/d/17j7eqMucz47KYoz74myJfibqR6nYTL2w/view?usp=sharing				

Productivity of Ecosystem	https://drive.google.com/file/d/1KQS8I2ac9gCMxuGKdHFFavjAMGxXNpUO/view?usp=sharing			
Biodiversity	https://drive.google.com/file/d/1VssGZ0ZOAf8DStOjQXXHPX8ZiR7eg1Nq/view?usp=sharing			
Unit II Population Ecology	https://drive.google.com/drive/folders/1YJVIB1w8QNpqMIX2CDzYEzVbUQ-4y2XK?usp=sharing	Dr. K. J. Gawai		

B. Sc. Part – II (Semester – IV)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1.	Dr. K. J. Gawai	https://classroom.google.com/c/MTAwNjE1NjE0MjEx?cjc=7pxkp54	
2.	Mr. V. D. Bute	Class Code : 7pxkp54	

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Unit I Air Pollution	https://drive.google.com/drive/folders/1aAB3TWeoND3B_Uo5bPuUSXiInp1SrSI7?usp=sharing	Mr. V. D. Bute & Dr. K. J. Gawai			
Unit II Water Pollution	https://drive.google.com/drive/folders/1dTzJTeQnr8IQc96jqt2iOUfWgf2zOcr?usp=sharing				
Unit III Land Pollution	https://drive.google.com/drive/folders/1jJyDAcaRcuDId2XX6jtIjcq9WNNtFADQ?usp=sharing				
Unit IV Noise Pollution	https://drive.google.com/file/d/161-UB8dSjDuRx-0SZNqT-XKIIluukMEf/view?usp=sharing				
Unit V Radiation Pollution	https://drive.google.com/file/d/1SeIMJ37dWv1QHeeOe67i0QOb9dpeMJNJ/view?usp=sharing				

Unit VI Case Studies + Global Warming etc.	https://drive.google.com/file/d/1DI-gwwA-6FBvRXIWGIBPFkqjjAA0jWUP/view?usp=sharing			
--	---	--	--	--

B. Sc. Part – III (Semester – VI)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1.	Dr. S. P. Ingole	https://classroom.google.com/u/0/c/MTIyODkzMDAzODI2	
2.	Mr. V. D. Bute	Class Code : 52jhij6	

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
EPA 1986	https://drive.google.com/drive/folders/1x4HHoK2LewPjaltJB5tuNoSE7isJvnn?usp=sharing	Dr. S. P. Ingole & Mr. V. D. Bute	EIA	https://youtu.be/ZhrzYWIC5r4	Dr. S. P. Ingole
WLP Act 1972	https://drive.google.com/drive/folders/1rdXWBcQXpVblJNzcGDWSIxDzpaP_PUv?usp=sharing		EPA	https://youtu.be/IWaVINXG8Js	
Unit I (Env. Education)	https://drive.google.com/file/d/10aUJBfCXmku_Vp451WHjrUzvN_JzfQKR/view?usp=sharing		EPA	https://youtu.be/HzKYN6N3QJQ	
Unit II Mining Environment	https://drive.google.com/file/d/1GrwfE-2E87sDHAIGGP-n9nlkX831Yd0S/view?usp=sharing		EPA	https://youtu.be/y24ATc_6pGE	
Unit III Wildlife Management	https://drive.google.com/file/d/1XGH-XE2xh-3dZWMy5HGyVRXWxr3i8VE/view?usp=sharing		EPA	https://youtu.be/McAHaVeKyXY	

Unit IV Role of National & International Organisation in Env. Protection	https://drive.google.com/file/d/14PBLkVs39TyX1nKUOh_W0rSczEtMibnE/view?usp=sharing			
Env. Management	https://drive.google.com/file/d/1wUMjOUZG5SEuGkohNTzaOjsBrBHJklGb/view?usp=sharing			
Sustainable Development	https://drive.google.com/file/d/1u05QQuwzlcZ6YVVBIK0CwH8xWXXly5W1/view?usp=sharing			

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Geology

B. Sc. Part – I (Semester – I)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr.M.M.Deshmukh	https://classroom.google.com/c/MTgzMTQ1ODcxODQ2?cjc=ecavo52	ecavo52
2	Mr.S.K.Paunikar	https://classroom.google.com/c/MTgzMTQ1ODcxODQ2?cjc=ecavo52	ecavo52

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Geological work done by Glaciers notes	https://drive.google.com/open?id=1xen4EVGjH1OrX3JK-nHxwLxq0fGTyFa1&authuser=1	Dr.M.M.Deshmukh	General Geology	https://www.youtube.com/watch?v=69ZikGuLje8	Dr. M.M. Deshmukh
Geological work done by Underground water	https://drive.google.com/open?id=167iyke9Y3CJZ-oGSsScRQ2569_a5OW4M&authuser=1	Dr. M.M. Deshmukh	Unit 1 General Geology revision	https://youtu.be/vL9HiDBU8sk	Dr. M.M. Deshmukh
Geological work done by River	https://drive.google.com/open?id=1J6ja_5fal2hOR1iwSU-xClaY0VkeuTCx&authuser=1 https://drive.google.com/open?id=1Z_85Gm6pxxUJnEiG3iudtTcTb211Q81D&authuser=1	Dr. M.M. Deshmukh	Vesuvian eruption youtube video	https://www.youtube.com/watch?v=kDB1fWOwM3M	Dr. M.M. Deshmukh
Geological work done by wind	https://www.slideshare.net/gauravhtandon1/engineering-geology https://drive.google.com/open?id=11gIjN-ymNq_yQhwCslulB7eQH3pSSFO&authuser=1	Dr. M.M. Deshmukh	Vulcanian eruption youtube video	https://www.youtube.com/watch?v=BwwgUq6zB_w	Dr. M.M. Deshmukh

Rock Weathering	https://www.slideshare.net/maharazhar786/weathering-its-types https://drive.google.com/open?id=1llylpb29DVv0rWXu4owmz6zi34-NYiAT&authuser=1	Dr. M.M. Deshmukh	Strombolian eruption YouTube video	https://www.youtube.com/watch?v=NSzxiA7iP1g	Dr. M.M. Deshmukh
Lithosphere, Biosphere, Hydrosphere & Atmosphere	https://drive.google.com/open?id=1c1uikvFXD0FmsCqEg_InlgE44Er47RqY&authuser=1 https://drive.google.com/open?id=1DgHDIYmk0_yLoMcqIhd_wm3cF3HLS78S&authuser=1 https://drive.google.com/open?id=1daOz_cjAcUztml3FOK3gkILaqscy_jSD5&authuser=1	Dr. M.M. Deshmukh	Hawaii eruption YouTube video	https://www.youtube.com/watch?v=zeUdtx_KAI	Dr. M.M. Deshmukh
Earths interior	https://drive.google.com/open?id=1ww_qYo_5dgx2aThk6TFF0w4zcmffkAPA&authuser=1	Dr. M.M. Deshmukh	Types of volcanic eruption YouTube video	https://www.youtube.com/watch?v=iic5VEpldGE	Dr. M.M. Deshmukh
Age of Earth & RADIOMETRIC DATING	https://drive.google.com/open?id=1Hq0XxS8td54KMWWmEyoD22LSebYcAHvg&authuser=1	Dr. M.M. Deshmukh	Fissure eruption YouTube video	https://www.youtube.com/watch?v=Zbs4QFg-1SA	Dr. M.M. Deshmukh
Constituents of earth	https://www.slideshare.net/ThusharaKApM/interior-of-the-earth-55125888	Dr. M.M. Deshmukh	Becke line YouTube video	https://www.youtube.com/watch?v=Y_DV8yOSiGo https://www.youtube.com/watch?v=Y_DV8yOSiGo	Mr.S.K.Paunikar
Unit 1 Branches of Geology	https://drive.google.com/open?id=1FPKAX3yXWxhwHvfM0eL36xaEldfXnZRV&authuser=1 https://drive.google.com/open?id=1-1SeZ1oGwC4ke6HKiFh27r1hmTzK9d1e&authuser=1 https://drive.google.com/open?id=10ut_zPfvRjKZO_ChkFct_oTWtwgrMDTn&authuser=1	Dr. M.M. Deshmukh			

Types of volcanic eruption	https://drive.google.com/open?id=1oRentSZPceAl1tiU_POYHkaiG72ejFIV&authuser=2	Dr. M.M. Deshmukh			
Product of volcano	https://drive.google.com/open?id=1v8uzfqeg_b3m1Kjr6znX5mKmJmWkzvcT&authuser=2	Dr. M.M. Deshmukh			
Physical Geology: Volcano Introduction	https://drive.google.com/open?id=1DSRAUDB2-CdoLFbWuFHA1wrnui-89YCu&authuser=2	Dr. M.M. Deshmukh			
Nicol Prism	https://semesters.in/principle-of-nicol-prism-engineering-physics-b-tech-1st-year/	Dr. M.M. Deshmukh			
Introduction to Geology	https://drive.google.com/open?id=1FkNdOmtJctIGM-T1qtd1Fj8G5mUV1o9t&authuser=1	Mr. S.K.Paunikar			
Branches of Geology	https://drive.google.com/open?id=1-lko_4bewCigVK7nDbJ16taHLcoNecIQ&authuser=1	Mr. S.K.Paunikar			
Physical properties of minerals	https://drive.google.com/open?id=1S7PuxZPls8IKxgioslvji2RfXRAKHUM&authuser=1	Mr. S.K.Paunikar			
Hardness of minerals	https://drive.google.com/open?id=1a7ron9U9VvGT3ROcQKz-vi8SVeki6bMI&authuser=1	Mr. S.K.Paunikar			
silicates	https://drive.google.com/open?id=1-w99wOxWIRPWdS3EOny9yYI_A5Vf6Wgb&authuser=1	Mr. S.K.Paunikar			

Introduction to Mineralogy	https://drive.google.com/open?id=1hNdWt4x7Tzl0Qc40HjWyzmQ5-DYO0ISc&authuser=1	Mr. S.K.Paunikar			
Physical Properties of Mineral	https://drive.google.com/open?id=105JaPJz-FDnVUwlycOLzELavSmFAztX3&authuser=1	Mr. S.K.Paunikar			
Pyroxene, Amphibole, Mica	https://drive.google.com/open?id=1-40OWHdQM2C1BTOFKudSt00Oo0AiK_8&authuser=1	Mr. S.K.Paunikar			
Quartz, Feldspar, Feldspathoid, Zeolite	https://drive.google.com/open?id=1vq9uQF06j7SFYisSEBOUBLDM81mACcMo&authuser=1	Mr. S.K.Paunikar			
Rock forming Mineral- Silicates	https://drive.google.com/open?id=1Im8bkifX22rswEyqZbQYX2PhT4MMklfR&authuser=1	Mr. S.K.Paunikar			
Silicate structure Easy to Draw diagrams	https://drive.google.com/open?id=1Rx1Q34HVEE4IbhUXbsF96sNU4YvtmEkK&authuser=1	Mr. S.K.Paunikar			
Silicate Structures, Olivine, Garnet, aluminosilicate	https://drive.google.com/open?id=1w8J_4tudFJPQnMLZi2nOuqUX7YEco5tt&authuser=1	Mr. S.K.Paunikar			
Updated Mohs Scale	https://drive.google.com/open?id=1SCRfXOcgBrI_d3mt6rJVfb6QglZTHU4F&authuser=1	Mr. S.K.Paunikar			
Optical Properties of Minerals	https://drive.google.com/open?id=101nwrvpuxg6hWg6DfYyKOyf_Jk4niGs0&authuser=1 https://drive.google.com/open?id=1r5Ccfo_5KdFLacH0nMTB2PCnQPdUxR9c&authuser=1	Mr. S.K.Paunikar			

Critical Angle and Total Internal Reflection	https://www.slideshare.net/aahadbutt/critical-angle-and-total-internal-reflection-by-muhammad-aahad-but#:~:text=Glossary%20EF%82%97%20Total%20Internal%20Reflection,incidence%20exceeds%20the%20critical%20angle.&text=%EF%82%97%20Refracted%20Ray%3D%20A%20light,from%20one%20medium%20into%20another	Mr. S.K.Paunikar			
Physical and Optical Properties of Minerals	https://blogs.nvcc.edu/mineralogy/minerals/	Mr. S.K.Paunikar			

B. Sc. Part – II (Semester – III)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Practical class- Lamellibranchia	https://drive.google.com/open?id=1FXXiKsL3eAGowFuG6k5Q7OdkBADzIn1R&authuser=0	Dr.M.M.Deshmukh	Geological distribution of Gastropods & Cephalopoda	https://youtu.be/ollzu_3AOZc	Dr.M.M.Deshmukh
Plant of Gondwana Period	https://drive.google.com/open?id=1q6Gz0yuGuDruPXmWDnWcmoVI70Pv79n&authuser=0 https://drive.google.com/open?id=1J9MDdCvtlwSnrK29pvwMHKXuUj42xmZ&authuser=0	Dr.M.M.Deshmukh	Morphology of hard parts, ornamentation, types of shell	https://youtu.be/CROPfyPWaN4	Dr.M.M.Deshmukh

Class - Anthozoa	https://www.slideshare.net/mobile/AmeenaAsharaf/phylum-coelenterata-class-anthozoa https://drive.google.com/open?id=1IC13CqtOYadiJ3LBULMDD3jogLZj2LvK&authuser=0	Dr.M.M.Deshmukh			
Phylum - Coelenterate general characteristics	https://drive.google.com/open?id=1AzKou26S7oSSybCoWN39TSItYs9s7JsW&authuser=0	Dr.M.M.Deshmukh	Classification of Bivalvia	https://youtu.be/7o3e4UVu790	Dr.M.M.Deshmukh
Paleontology unit 4	https://drive.google.com/open?id=1Gh5A1oXP2jvhwsnR4nnu7NtBzeJ9Da0&authuser=0 https://drive.google.com/open?id=1s_n5tnBUc4zX0KQIZNxUS0vpgxyBMiV1&authuser=0 https://drive.google.com/open?id=1tnuXHOnZkmjan05wy2TJf8IUdcEppz1g&authuser=0	Dr.M.M.Deshmukh	Geological & Geographical distribution of Bivalvia	https://youtu.be/g0CpZRhevhl	Dr.M.M.Deshmukh
Morphology of Class - Trilobites	https://drive.google.com/open?id=1bPUcSXwABjqUfl_0g0b-KXiAK3a36G8L&authuser=0	Dr.M.M.Deshmukh	types of hinge line & dentitions	https://youtu.be/RZ4am1HnuIU	Dr.M.M.Deshmukh
Phylum - Arthropoda	https://drive.google.com/open?id=1vRcZYQqhlhtfy5DhKkYcJALpNM y48NAU&authuser=0	Dr.M.M.Deshmukh	Unit V class - Bivalve	https://youtu.be/kU4jHxdDHFY	Dr.M.M.Deshmukh
Geological distribution of Echinoids	https://drive.google.com/open?id=19H-Sp2RSQ1CueyhbDU9XIZ9GEOPBFHGZ&authuser=0	Dr.M.M.Deshmukh	Geological & Geographical distribution of Bivalvia	https://youtu.be/g0CpZRhevhl	Dr.M.M.Deshmukh
Geological distribution of Trilobites	https://drive.google.com/open?id=1owIW_00lc9GPYgLzL_HBcueOw-Lvf-jS&authuser=0	Dr.M.M.Deshmukh	Micropaleontology	https://youtu.be/-gq_U_1InJY	Dr.M.M.Deshmukh

Phylum - Arthropoda characteristic features & classification	https://drive.google.com/open?id=1xQ5SV8vr9jZUSU-B11FvrOk9xJw1-uur&authuser=0	Dr.M.M.Deshmukh	Phylum Mollusca	https://youtu.be/IMN7DDbo5TQ	Dr.M.M.Deshmukh
Phylum - Echinodermata - Characteristic features	https://drive.google.com/open?id=1P8VyP1vo9kOsF3lgLshosaQljHRVLI8Y&authuser=0	Dr.M.M.Deshmukh	Animal kingdom classification	https://youtu.be/UOsdcmo23AE	Dr.M.M.Deshmukh
Phylum - Echinodermata	https://drive.google.com/open?id=1o1bfLBmdskLoAPGMzOXHjHT528lmXOJ1&authuser=0 https://drive.google.com/open?id=1toefA5fJ4jSGrZ1yDENbOlatk1GpXRn&authuser=0	Dr.M.M.Deshmukh	Animal classification Introduction	https://youtu.be/BKyYS3nrpNU	Dr.M.M.Deshmukh
Class - Bivalvia	https://drive.google.com/open?id=1Tw7nbQEjS98U1ilsfmaxuHosRz-kRX3Z&authuser=0	Dr.M.M.Deshmukh	Physiographic division of India	https://youtu.be/E0r8vFUGSw4	Mr.S.K.Paunikar
PPT on rock cycle	https://www.slideshare.net/vandeco87/rock-cycle-powerpoint	Dr.M.M.Deshmukh	Introduction to Stratigraphy	https://youtu.be/usb9alsjoX0	Mr.S.K.Paunikar
Triassic of Spiti	https://drive.google.com/open?id=180HjCF4VezNPWQzWoLnf2GQggLbh8dl9&authuser=0	Mr.S.K.Paunikar			
B.Sc. Sem 3 Unit 1 Study material Part-1	https://drive.google.com/open?id=1ybCj9p1reQYJCstyeB-aUBjbctQITo-&authuser=0	Mr.S.K.Paunikar			
B.Sc. Sem 3 Stratigraphy Unit 1 Part-2	https://drive.google.com/open?id=11AHt7SDITOGPjMgMOivj1CNc9IHtZJOE&authuser=0	Mr.S.K.Paunikar			

B.Sc. Sem 3 Stratigraphy Unit 2	https://drive.google.com/open?id=1FsRVIdfkwFnmgI9OJQdq3L3x7I6KBad0&authuser=0	Mr.S.K.Paunikar			
B.Sc. Sem 3 Stratigraphy Unit 3	https://drive.google.com/open?id=1fLPriw-YPqVE27JHaRL2TEt2gXbZ-A5E&authuser=0	Mr.S.K.Paunikar			

B. Sc. Part – III (Semester – V)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
practical part 2 Introduction ore reserve calculations	https://drive.google.com/open?id=1culDZ11_6f2rU_ufDvtdpio9oKjroL2r&authuser=0		Geo-chemical method	https://youtu.be/SMv-2pRtRgA	Dr.M.M.Deshmukh
Practical - Introduction Ore reserve calculations Part 1	https://drive.google.com/open?id=1DalUCM8mrz1hZJhiCSi-itrP3rR5FYgt&authuser=0		Radiometric method	https://youtu.be/QY633H_oaH0	Dr.M.M.Deshmukh
Magnesite	https://drive.google.com/open?id=148WzuJ-HF2JaWVky55AtGXRq5RDSExnj&authuser=0 https://drive.google.com/open?id=1tOQmZr0D-mXAYk9Fx1sT_Id4Hq-gDGDv&authuser=0	Dr.M.M.Deshmukh	Magnetic method	https://youtu.be/3kGqSoP2Iq4	Dr.M.M.Deshmukh

	https://drive.google.com/open?id=1fTHcSUqzAbrLAOXUmJW35_vggoKrVsaL&authuser=0				
Limestone notes	https://drive.google.com/open?id=1rHm31hH7CDEhSHgAug8PEehtO4EmtaBF&authuser=0	Dr.M.M.Deshmukh	Gravity method	https://youtu.be/oT0YnUh7Yq0	Dr.M.M.Deshmukh
ORE RESERVE NOTES	https://drive.google.com/open?id=1AmtRxVCpwVad0LF0BQzZKoKFK9dEKC9a&authuser=0	Dr.M.M.Deshmukh	subsurface method introduction	https://youtu.be/zXkgPbJlEXA	Dr.M.M.Deshmukh
Ore reserve calculation	https://www.slideshare.net/NumanHossain2/the-mineral-reserves-amp-reserves-estimation-using-triangular-methods https://drive.google.com/open?id=1p8tOENj8RthbQyrzIU0a2xYFmkvz84bC&authuser=0	Dr.M.M.Deshmukh	Surface method	https://youtu.be/6NIZv7KF5iQ	Dr.M.M.Deshmukh
concentration of ore	https://www.youtube.com/watch?v=8oTdCGj334U	Dr.M.M.Deshmukh	Mineral exploration - surface method	https://youtu.be/8a-Hli3vf3E	Dr.M.M.Deshmukh
Calculation of grade of ore	https://drive.google.com/open?id=1OJLCS9fq6CUZ6yWfN238dDoNdB9nlgKF&authuser=0 https://drive.google.com/open?id=1tYm0mHlt_ahapox-2AwCDhmxQEO7WQvl&authuser=0	Dr.M.M.Deshmukh	Type of Deposits part 1	https://youtu.be/hw4Yav1wghM	Mr.S.K.Paunikar

Strategic, Critical & Essential minerals	https://www.slideshare.net/bala1957/mineral-resources-in-india https://drive.google.com/open?id=1p4Gykw4E7SiGFAG6MU800hVscf4-ScLF&authuser=0 https://drive.google.com/open?id=1PV9_Ln481cIWobvCv8VijpYxfL8HtKfZ&authuser=0	Dr.M.M.Deshmukh	Economic Deposits part 2	https://youtu.be/T7I7LtqSnA8	Mr.S.K.Paunikar
carbon cycle	https://drive.google.com/open?id=1-gioJcOm_pi3i3M_nSpEmB_2A6rXsf&authuser=0	Dr.M.M.Deshmukh	Economic Geology Classification of ore deposits part 2	https://youtu.be/YArp45GxKrE	Mr.S.K.Paunikar
Geophysical Methods Unit	https://drive.google.com/open?id=1QkhHfMI33w3-2w6ODt8p31PWbTAEwAyP&authuser=0	Dr.M.M.Deshmukh			
B.Sc. Sem 5 practical	https://drive.google.com/open?id=1JJrqYc5WpWVcSqN89VUsK46kQppEnYQR&authuser=0	Mr.S.K.Paunikar			
B.Sc. Sem 5 Unit 4	https://drive.google.com/open?id=17FPjQgKh-5sKngMQTlI2RhktOk4bhY8O&authuser=0	Mr.S.K.Paunikar			
distribution of mineral deposits in space and time, metallogenic epochs and provinces	https://drive.google.com/open?id=14JY787P3mKTZ2hTXulXUY5zZOvn9Ck_t&authuser=0	Mr.S.K.Paunikar			

oxidation and supergene enrichment	https://drive.google.com/open?id=1NglcQc3VyhjYTTyaMcomlATumWrWQxUm&authuser=0	Mr.S.K.Paunikar			
Type of Economic Deposits part 2	https://www.youtube.com/watch?v=T7I7LtqSnA8	Mr.S.K.Paunikar			
Type of deposits part 1	https://www.youtube.com/watch?v=hw4Yav1wghM	Mr.S.K.Paunikar			
B.Sc. Sem 5 Unit 1 Study material	https://drive.google.com/open?id=1epIKlGeQh0981z1yfXX6Pt_3CP3FY8Qk&authuser=0	Mr.S.K.Paunikar			
B.Sc. Sem. 5 Unit 2 Study material	https://drive.google.com/open?id=1WsKEKp-JXJiVarBgC-DyPgQEucnrxNK&authuser=0	Mr.S.K.Paunikar			
B.Sc. Sem. 5 Unit 3 Study Material	https://drive.google.com/open?id=1WpxX3ouo6nw_vbgKorPWf0yA2ZMONAZU&authuser=0	Mr.S.K.Paunikar			

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Geology

B. Sc. Part – I (Semester – II)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher

B. Sc. Part – II (Semester – IV)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher

B. Sc. Part – III (Semester – VI)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher