S.S.E.S.AMT'S SCIENCE COLLEGE, NAGPUR

Information to be submitted by Head of the Department

Internal Academic Audit Session 2018-19

Department of Biotechnology

Period of assessment: First Term (June 15, 2018 to January 5, 2019)

1. Details about Academic Programmes:

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
UG	01	Nil	Nil	Nil
PG	Nil	Nil	Nil	Nil
Ph. D.	Nil	Nil	Nil	Nil
PG Diploma	Nil	Nil	Nil	Nil
Advanced Diploma	Nil	Nil	Nil	Nil
Diploma	Nil	Nil	Nil	Nil
Certificate	Nil	01	Nil	Nil
Others	Nil	Nil	Nil	Nil
Total	01	01	Nil	Nil
				annile representation of the control
Interdisciplinary	Nil	Nil	Nil	Nil
Innovative	Nil	Nil	Nil	Nil

Faculty profile with name, qualification. designation. specialization. (D.Sc./D.Litt./Ph.D.

Name	Whether	0 110					-
	Permanent		Designation	Specialization	No. of	Whether	
	/Adhoc/	on		and the second s		supervisor 1	4
					Experien		
16	Contributor			and the second s	ce		
Mrs	Permanent	M.Sc. NET	Coordinator	Microbiology	30 Years	No.4	
M.J.Madhugiri							W 7.10
Ms.D.Deepthi	Adhoc	M Sc	Lecturer	Biotechnology	02 Year	No.	4
Hynal							4
Ms.Shital	Adhoc	M Sc., B.Ed	Lecturer	Microbiology	Nil	Noi.	明 福
Khedkar		,			2 555	1 1	11/10
Ms. Raksha	Adhoc	M Sc. Ph.D	Lecturer	Biotechnology	Nil	No.	なる
Pandit		submitted					
Ms. Daminee	Adhoc	M Sc., NET	Lecturer	Biochemistry	Nil	No1.	7
Raut						1 100000	-
	Contributory	M Sc	Lecturer	Biotechnology	Nil	I V	
Ms. Namrata	Continuatory		A CONTRACTOR OF THE CONTRACTOR		10 10 10 10 10 10 10 10 10 10 10 10 10 1	All Control	- Just
Ruprela			9				

3 7	No. of Permanent	faculty and	Temporary faculty
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Nil

05

4. No. of Guest and Visiting faculty

Nil

01

Faculty participation in conferences/seminar/workshop and symposia before the assessment period:

Name of the	In	International level			National	level	State		
Faculty	Attend ed	Prese nted paper s	Whether experts, chairpersons or resource persons	Atten ded	Presen ted papers	Whether experts, chairperso ns or resource persons	Auer	Press trans	

6. Faculty participation in conferences/seminar/workshop and symposia during the assessment period:

Name of the	Title of	Per		T		-	
Faculty	Conference/ Seminar/ workshop Attended	iod	Level International/ National/State /University /College	Whethe r Present ed papers	Whether abstract publishe d in Sovinor/ Abstract Book	Whether papers published in proceeding with ISBN No if any	Whether so as explicit champerson reson persons
Ms.D.Deepthi Hynal	Advances in Western Blotting Technique		College level in collaboration with Himedia company	No	No	No	i Ne
Ms.Shital Khedkar	Advances in Western Blotting Technique		College level in collaboration with Himedia company	No	No	No	
Ms. Raksha Pandit	Advances in Western Blotting Technique		College level in collaboration with Himedia company	No	No	No	No.
Ms. Daminee Raut	Advances in Western Blotting Technique		College level in collaboration with Himedia company	No	No	No	

7. No. of faculty served as experts, chairpersons or resource persons Nil

8. Plan of Action for Academic Achievement and Outcomes

Plan of Action	Outcomes
To achieve Excellent result.	Achieved Excellent Result.

9. Innovative processes adopted by the Department in Teaching and Learning:

In addition to routine method we use LCD projector, You-tube lectures of Scientists on new topics and update the students.

10. No. of faculty members involved in curriculum restructuring development before and during the assessment period Nil	/revision /sy	llabus
11. Before /During the assessment period as member of Board of Study	Nil	Nil
/ as member of Faculty/	Nil	Mil
as a participation in Curriculum Development workshop	Nil	Nil

12 Initiatives undertaken towards faculty development before and during assessment period (A.P.) : Nil

				Fac	ulty / Sto	aff Develo	oment Pro	ogrammes	
Name of the Faculty		Orie ntati on	Refr eshe r	UG C – FIP	HR D prog ram	Faculty exchan ge progra m	Staff trainin g by univer sity	Staff trainin g by other institut ions	Summ er/ Winter school Oth s. Fs Work hops, etc
	Before	H							
	A.P.								
	During					12			
	A.P.								

13. Details of Administrative and Technical staff

Name of the staff	Designation	Permanent /Temporary
Mr. P.R. Thool	Attendant	Temporary

14. Research funds sanctioned and received from various funding agencies, industry and other organizations till the assessment period: Nil

ame of the Faculty	Major/ Minor Interdisciplina ry/ Industry sponsored/ Any other (Specify)	Name of the fundin g Agenc y	Sanction Letter No /Date	Total grant sanctione d	Received	Compli Whethe eted/ r. New Ongoi Propos ng al Submit ted
						· · · · · · · · · · · · · · · · · · ·

15. Details on research publications before and during the Assessment Period (A.P.): Nil

Name of the		Peer	Re	eview	No	on-Pe	er	Co	nferei	nce	e-	journ	als	
Faculty		Journ	Journals		Revie	Review Journals			proceedings					
		Inte	Na	Oth	Inter	Na	Oth	Inte	Na	Oth	Inte	M	(
		rnat	tio	er	natio	tio	er	rnat	tio	er	rnat	tig	le	
		iona	nal		nal	nal		iona	nal		iona	nal	1000	
		1						1			1		1	
	Before										7	1 . 1	To the	
	A.P.		= = =											
	During										1	- west	+	
	A.P.										A Control		4	

16. No of research publications listed in International Database (SCOPUS / Google Scholar) till the assessment period : Nil.

Name of the Faculty	No of research publications in SCOPUS	No of research publications in Google Scholar	Citations	h-index	ino-	
	3 1 1					
4	1.0 E					

17. Details on research publications listed in International Database (SCOPUS) during the assessment period.: Nil

ame of the faculty	Co- Authors	Short Title	Journal	Year of Publication	Imp. Factor	SNIP	IPP	SJR	h- index
	Aug. A	1977)	-						
								ly,	

	f the Chapter	Book		Book	Published	d		Year of Publication
culty	in Book	Edited	Title of th	U Door	SBN/ISS	N Put	olisher	
Are	eas of consultancy	co	evenue generate nsultancy befo sessment perio	re the	consul	ue generate ancy durii ment perioc	ng the	1
2	21. Conferences/Se assessment peri		orkshop/Guest	Lect. organize	ed by the	Departmen	u un me	
	Conferences/Sen ar/ workshop/Gu	uest Nat	ernational/ ional / State/ iversity/ llege Level	Title /Topio		Period	Spons Agend	ries
Sr. No	Lect.		ational Level	Intellectua	al ights	12 th October		Gandhi nal Institute of

22. No. of collaborations before and after the Assessment Period (A.P.):

International		National		Any other	
Before A.	During	Before A.	During	Before A.	During A.P.
P.	A.P.	P.	A.P.	P.	
Nil	Nil	Nil	Nil	Nil	01

23. No. of linkages created before and after the Assessment Period.	Nil	Nil
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24. Total budget for research for current year in lakhs

From Funding agency: Nil From Management of College: Nil

25. No. of research awards/ recognitions of faculty and research fellows of the institute till the assement period.: Nil

Name of the	Details of the awards/	International / National /	Year
Faculty	recognitions	State / University/ Dist/	The control to
		College Level	
Ms Daminee	CSIR-UGC NET	National level	2017
Raut			

26. No. of Ph.D. aw	arded by faculty from	the Institution during the	e assessment period	Nil
27. No. of Research	scholars receiving the	e Fellowships (Newly em	rolled + existing ones	
Nil	GDE.	Project Fellows	Any other	e de policies de la composition della compositio
JRF	SRF	cilities till the assement j		Andreas of State and State
28. Details of increa	ase in initiasitucture ia	offices the the description	()	111

Σ., γ		Existing	New	ly purchased during A.P.	Source of Fund	Total
Facilities	No	Value of the equipment (Rs. in Lakhs)	No	Value of the equipment purchased (Rs. in Lakhs)		
		25, 34,414=00		Nil	College	25, 34,414=00

29. Total Number of students during assessment period

UG	PG	Ph. D.	Others
247	-	-	-

30. Student -Teacher Ratio (programme wise):

1:54

03 Qualified J

exam

31. No. of students qualified in these examinations till the assement period.

NET C	o1 SE	T/SLET	GATE	01	CAT	
IAS/IPS et	te	State PSC	UF	PSC		Others

NET and GATE qualified candidate V.Janani (Passout 2013 batch)

JNU qualified candidate Hitakshi Nagbhidkar, Yash Malke and Rutuja Agarkar (Passout 2018)

32. Faculty as members in a) National committees b) International Committees c) Editorial Boards till the assessment period (A.P.): Nil

Name of	Whether	Whether members	Whether	Whether served
the Faculty	members in National committees if yes, give details with period	in International Committees if yes, give details with period	members in Editorial Boards if yes, give details with period	as experts, chairpersons or resource persons if yes, give details with period
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
37.	建			

33. Student projects: Nil

- a) Percentage of students who have done in-house projects including interdepartmental/program: Nil
- b) Percentage of students placed for projects in organizations outside the institution i.e.in
 Research laboratories/Industry/ other agencies: Nil

34. Awards / Recognitions received by faculty and students till the assessment period:

Name of the	Details of the average		
Faculty/	Details of the awards/ recognitions	International /	Year
students		National / State /	
		University/ Dist/	
Ms Prerna	DDM re-	College Level	
Yesankar	DBT-JRF ARS-NET	National Level	2016
			Section of the sectio

35. List of eminent academicians and scientists / visitors to the department till the assement period.

r No	Name	Field	Address	Date of visit
	Alka Dhondge	Teaching,	L.A.D College	5 th March 2016
		Associate Professor	Shankar Nagar, Nagpur	
	Devrat Begde	Teaching Associate	Dr.Ambedkar College,	8 th July2016
		Professor	Nagpur	
3	Rahul Meshram	Teaching Associate	Sindhu Mahavidyalaya	24 th and 25 th June
,	100101	Professor	Panchapaoli, Nagpur.	2017
4	Sarita Mowade	Scientist	M.I.D.C, Nagpur	7 th and 8 th Octobe
				2016
5	Dr.N.V.Khubalkar	Teaching Associate	C-202, Alaknanda Apartment,	3 rd and 4 th May
5	D.I. (1)	Professor	100-Shivaji Nagar, Nagpur	2018
6	Dr. R.K.Chahande	Teaching Associate	Porwal college	9 th April 2017
O .	D.1. 22	Professor	Kamptee	
7	Dr. V. N Charde	Teaching Associate	Taywade College	29 th & 30 th March
,		Professor	Koradi	2017
8	Ms.Sneha Jaiswal	Teaching Associate	D.B Science College,	14 th and 15 th
0		Professor	Gondia	December 2016
-0	Mrs. Kiran Patil	Teaching Associate	LAD College, Shankar nagar,	15 th & 16 th
		Professor	Nagpur	July2016
10	Dr. Seema	Teaching Associate	Sevadal Mahila College,	6 th December
10	Nimbarte	Professor	Nagpur	2016
11	Mr. G. N. Wagh	Teaching Associate	J. B. Science of College	13 th and 14 th
14. 10.1		Professor	Wardha.	February 2016
12	Mrs.Milan	Teaching Associate	LAD College, Shankar nagar,	3 7 2 705
	Nimbalkar	Professor	Nagpur	July2016
13	Dr. Mrs.Archana	Teaching Associate	Dharampeth Science. College,	7 th July 2016
	Kulkarni	Professor	Nagpur	1 st March 2016
14	Dr. A. B. Ingale	Teaching Associate	S. K. Porwar College,	I March 2016
		Professor	Kamptee.	

36. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected -	Enrolled		Pass	
o and programme			Male	Female	percentage (Of Previous Exam)	
B.Sc.I (Sem I)	Data Not Available		19	76	Not Applicable	
B.Sc.II (Sem III)	Data Not Available		09	71	73.17%	
B.Sc.III (Sem V)	Data Not Available		12	63	96.00%	

37. Student progression

Student progression	Against % enrolled		
UG to PG	Out of 55 enrolled for U.G 16 are doing P.G (30% approx)		
PG to M.Phil.	Nil		
PG to Ph.D.	02 (Ms. V.Janani and Ms. Manisha Yadav)		
Ph.D. to Post-Doctoral	Nil		
Employed Campus selection Other than compus recruitment	Data Not available		
Other than campus recruitment Entrepreneurship/Self-employment	01 (Wasudev Mishra)		

38. Details of Infrastructural facilities

Infrastructural facilities		
Library	No	
Class rooms with ICT facility	No	
Laboratories	4	
Other		

39. Number of students receiving financial assistance from college/ university/ government/other agencies: Nil

40. Details on student enrichment programs (special lectures/workshops/seminar) with

Title/ Topic of the Program	Whether lectures/ workshops/seminar /other	Name of the external experts	Details of the external experts	Period of Program
Basic techniques in molecular biology	Workshop	- Inperio	experts	26 th -27 th September 2018

41. A) Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil

Name of	Details of	Details of	Details of Participation in	Details will
the	Participation in	Participation in	Extension activities	and period
Faculty/	Co-curricular	Extra curricular	including Institutional Social	A Company
	activities	activities	Responsibility (ISR)	11.4
				- 表面
				4
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B) Extra Curricular Activities:

Formation of Biotech Subject Society (Formal Inauguration to be held).
 Trade mark Competition 10th October 2018.
 Workshop on Intellectual Property Rights held on 12th October 2018.

42. List of Alumni of the Departments:

Name	Profession	Qualification	Passout year	Achievements
Neha Kawade	Pursuing Post graduation in chemistry from Furguson College,	B.Sc Biotechnology	2018	
Rasika Nachankar	Pune Pursuing Post graduation in Environment from Furguson College, Pune	B.Sc Biotechnology	2018	
Sanskriti Kukade	Pursuing Post graduation in Microbiology from Shivaji Science College, Nagpur	B.Sc Biotechnology	2018	
Aditi Warghade	Pursuing Post graduation in Microbiology from Campus, Nagpur	B.Sc Biotechnology	2018	
Rutuja Agarkar	Pursuing Post graduation in Medical Chemistry from Pune University	B.Sc Biotechnology	2018	Qualified JNU

					100
Renuka Kathale	Pursuing Post graduation in Chemistry from Hislop College,	B.Sc Biotechnology	2018	The state of the s	A Section of the second
, Ru	Nagpur				September 1
Swanand	Pursuing Post graduation in	B.Sc Biotechnology	2018	on the second	
/ Aundekar &	Biotech from Rajiv Gandhi			State of the state	district the second
Gayatri Tonpe	Institute of IT & Biotechnology				
Pooja	Pursuing Post graduation in	B.Sc Biotechnology	2018	THE STATE OF	44
Kewlani	Microbiology from VIT, Vellore			000	
Avantika	Pursuing Post graduation in MBA	B.Sc Biotechnology	2018	Hamilton	
Sisodiya	from MIT, Pune				
Rounak	Pursuing Post graduation in	B.Sc Biotechnology	2018		
Thakur &	Microbiology from MKU, Madurai				Sim you
Yajurved	,			The second	A September 1
Selokar					
Hitakshi	Pursuing Post graduation from	B.Sc Biotechnology	2018	Qualified	
Nagbhidkar	Hyderabad University			JNU	
Manali	Pursuing Post graduation from	B.Sc Biotechnology	2018	NAME OF THE PARTY	
Palasi &	Ambedkar College, Nagpur			Sept.	
Kunika					7 90
Ninave			2019	Qualified	- #
Yash Malke	Pursuing Post graduation from	B.Sc Biotechnology	2018	JNU	
	Baroda University, Gujarat) and an agode Nil		13110	4

43. Major grievances of students (if any) redressed: Nil

44. Any other information: 01 MoU was signed between Biotechnology Department of Shivaji Science college and Department Business Administration of DNC college.

45. SWOC analysis of the department

STRENGTH:-

- > Well equipped UG laboratories.
- > Enriched departmental library.
- Internet facility available.
- Qualified and hard working faculty.
- Committed and obliging non-teaching staff.
- > Brilliant, obedient, disciplined students.
- > Safe and secured environment for Co-education.
- > Democratic functioning respected.
- > Good performance of students in university examination.
- > Responses by students in co curricular and extra curricular activities are good.
- > Teachers Students interaction is encouraging.
- > Mentoring is practiced.

Weakness:-

- Less percentage of campus recruitment.
- Percentage of Students pursuing higher education is less (probable reason may be high % of female students).

Opportunities:-

- > Remedial teaching is provided to desirous students.
- > Employment potential in Hub-MIHAN, Nagpur.
- > Training and placement cell in college.
- Students faculty exchange programme.

Challenges:-

- ➤ Mushrooming of Professional Engineering Colleges.
- Private tuition classes.
 Students are losing Interest in Basic sciences because of less employment opportunity.

46. Future plans:

- 1) Guest Lect. By Dr. Sarita Mowade on Designing Fermenter.
- 2) Guest Lect. By Prerna Yesankar on career Guidance.
- 3) Various Competition will be held under IP cell.

Date: 16/10/2018



Mrs. M.J.Madhugiri
Head
Department of Biotechnology

Co-Ordinator

Dept. of Biotechnology

Science College, Nagpur-12.