

Shri Shivaji Education Society Amravati's  
SCIENCE COLLEGE, Congress Nagar, Nagpur

DEPARTMENT OF BIOTECHNOLOGY

INTERNAL ACADEMIC AUDIT

2020-2021

1. Vision and Mission of the Department:

**Vision:** Our aim is to make our department one of the best departments at UG level in central India.

**Mission:** To motivate and inspire the students by giving them day to day examples in the subject thereby creating interest in the subject, so that they will apply the subject knowledge in innovative way.

2. A. Faculty Strength:

Faculty	Recruited	Vacant	Remarks
Regular	-	-	-
CHB	03	-	-
Ad-hoc	-	-	-
Non-teaching	01	-	-

B. Faculty profile:

Name	Highest Qualification	Designation	Specialization	Teaching Experience
Ms. D. Deepthi Hynal	M.Sc Biotechnology B.Ed	Contributory Lecturer	Biotechnology	05 Years
Ms. Nikita Pawar	M.Sc in Biotechnology	Contributory Lecturer	Biotechnology	02 Years
Ms. Sanchari Sarkar	M.Sc Microbiology SET, GATE	Contributory Lecturer	Microbiology	1 Year and 6 months

### 3. Students strength:

#### A. (Summer 2021)

Year	Group	Number of Students Admitted
B.Sc. Semester II	CMBT	82
B.Sc. Semester IV	CMBT	83
B.Sc. Semester VI	CMBT	98
M.Sc. I	-	-
M.Sc. II	-	-
Ph.D.	-	-
Value Added Program	-	-

#### B. (Winter 2020)

Year	Group	Number of Students Admitted
B.Sc. Semester I	CMBT	82
B.Sc. Semester III	CMBT	83
B.Sc. Semester V	CMBT	97
M.Sc. I	-	-
M.Sc. II	-	-
Ph.D.	-	-
Value Added Program	-	-

### 4. Students Performance:

#### A. Result Analysis (Winter 2020) UG & PG

Programme Code	Programme Name	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
Science	B.Sc Sem I	82	82	100%
	B.Sc Sem III	83	83	100%
	B.Sc Sem V	97	97	100 %

#### B. Result Analysis (Summer 2021 ) UG & PG

Programme Code	Programme Name	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
Science	B.Sc Sem II	82	82	100%
	B.Sc Sem IV	83	83	100%
	B.Sc Sem VI	98	98	100 %

### C. Achievements

A- (Medals/Awards/Prizes at University level): Nil

Sr.No.	Name of the Students	Class	Title
-	-	-	-

B- Merit Position of PG Students in RTMNU (for PG Dept. only): Nil

### 5. Students Progression:

Year	No. of students enrolling into higher Education	Program graduated from
	UG to PG	
2020-2021	On campus	-
2020-2021	Off campus	Mr. Pratik S Ghorpade(M.Sc Biotechnology)
		Ms. Piyusha Samarth(M.Sc Biotechnology)
		Ms. Shital N Kalmegh(M.Sc Biochemistry)
		Mr. AbhinavHatwar (M.Sc Biotechnology)
		Ms. ApurvaRandale (M .Sc Biotechnology)
		Ms. Shraddha Bire (M.Sc Biotechnology)
		Ms. Khushali Gandhi (M.Sc Biotechnology)
		Ms. GopikaKothalkar (M.Sc Biotechnology)
		Ms. Ashwini P Musale(M.Sc Biotechnology)
		Ms.Sauravi G Choudhary(M.Sc Biotechnology)
		Ms. SayaliU.Giri(M.Sc Biotechnology)
		Ms. Alisha R. Pathan(M.Sc Biotechnology)
		Ms. Simran V Saraf(M.Sc Biotechnology)
		Ms. Neha V Prasad(M.Sc Microbiology)
		Ms. Shruti P Khedkar(M.Sc Biotechnology)
		Ms. TanushreePande(M.Sc Biotechnology)
		Ms. MrunmayeeDupalliar(M.Sc Biomedical sciences)
		Ms. Ritika S Badwe(M.Sc Biotechnology)
		Ms. VaishnaviMallurwar(M.Sc Biotechnology)
		Ms. DikshitaHatwar(MBA In Pharamaceutical Management)

		Ms. Srushti R. Shrawane (M.Sc Biotechnology)
		Ms. Amruta Telang (M.Sc Biotechnology)
		Ms. Indrayani R. Pande (M.Sc Molecular Biology and Genetic Engineering)
		Mr. Akash R. Chidam (M.Sc Biochemistry)
	<b>PG to Research</b>	Nil
<b>2020-2021</b>	<b>Placement</b>	Ms. Gayatri Karale Advanced Diploma In Medical Laboratory Technology RST Regional Cancer Hospital and Teaching Institute, Manewada Road, Nagpur

(i) Students' publication in Extracurricular activity : Nil

Title of the Paper	Name of Author	Title of journal	Year of publication
-	-	-	-

(ii) Students' Extension Activity

Sr. No.	Name of Student	Participation
1.	Sarvesh Bagde	First Winner in Jingle Competition on the topic "Social Distancing norms (rules) to be followed to stop Corona virus from spreading" organized by Department of Microbiology, S.S.E.S.A's Science College, Nagpur on 27 <sup>th</sup> December 2020.

(iii) No. of Students pursuing higher course: 25 (Confirmed data available). There might be more students pursuing higher education but we could not communicate with all passed out students.

Sr. No.	Name of the Student (2019-20 Batch)	Higher Course
1.	Mr. Pratik S Ghorpade	M.Sc. Biotechnology Yeshwant Mahavidyalaya Nanded
2.	Ms. Piyusha Samarth	M.Sc. Biotechnology Hislop school of Biotechnology, Nagpur
3.	Ms. Shital N Kalmegh	M.Sc Biochemistry Central University of Hyderabad
4.	Mr. Abhinav Hatwar	M.Sc. Biotechnology Central University of Hyderabad
5.	Ms. Apurva Randale	M.Sc. Biotechnology The Maharaja Sayajirao University of Baroda

6.	Ms. Shraddha Bire	Integrated P.hD Programme in Biology Indian Institute of Science Education and Research, Tirupati
7.	Ms. Khushali Gandhi	M.Sc Biotechnology Rajiv Gandhi Institute Of Information Technology And Biotechnology, Pune
8.	Ms. Gopika Kothalkar	M.Sc Biotechnology Dr. Ambedkar College, Nagpur
9.	Ms. Ashwini P Musale	M.Sc Biotechnology Rajiv Gandhi Biotechnology Center, Nagpur
10.	Ms. Sauravi G Choudhary	M.Sc Biotechnology Madurai Kamaraj University, Tamil Nadu
11.	Ms. Sayali U. Giri	M.Sc Biotechnology Dr. Ambedkar College, Nagpur
12.	Ms. Alisha R. Pathan	M.Sc Biotechnology Dr. Ambedkar College, Nagpur
13.	Ms. Simran V Saraf	M.Sc Biotechnology Bharati Vidyapeeth Deemed University, Pune
14.	Ms. Neha V Prasad	M.Sc Microbiology RTMNU Campus, Nagpur
15.	Ms. Shruti P Khedkar	M.Sc Biotechnology Rajiv Gandhi Biotechnology Center, Nagpur
16.	Ms. Tanushree Pande	M.Sc Biotechnology Dr. D.Y. Patil Biotechnology and Bioinformatics Institute, Pune
17.	Mrunmayee Dupalliwar	M.Sc in Biomedical Sciences Research University of Bristol, UK
18.	Ms. Ritika S Badwe	M.Sc Biotechnology Dr. Ambedkar College, Nagpur
19.	Ms. Vaishnavi Mallurwar	M.Sc Biotechnology Dr. D.Y. Patil Biotechnology and Bioinformatics Institute, Pune
20.	Ms. Gayatri Karale	Advanced Diploma In Medical Laboratory Technology RST Regional Cancer Hospital and Teaching Institute, Manewada Road, Nagpur
21.	Ms. Dikshita Hatwar	MBA Pharmaceutical Management IIHMR University, Jaipur, Rajasthan
22.	Ms. Srushti R. Shrawane	M.Sc Biotechnology Rajiv Gandhi Biotechnology Center, Nagpur
23.	Ms. Amruta Telang	M.Sc Biotechnology Sardar Patel University Anand, Gujarat
24.	Ms. Indrayani R. Pande	M.Sc in Molecular Biology and Genetic Engineering RTMNU Nagpur
25.	Mr. Akash R. Chidam	M.Sc Biochemistry Banaras Hindu University, Varanasi

6.	Ms.ShraddhaBire	Integrated P.hDProgramme in Biology Indian Institute of Science Education and Research, Tirupati
7.	Ms. Khushali Gandhi	M.Sc Biotechnology Rajiv Gandhi Institute Of Information Technology And Biotechnology, Pune
8.	Ms. GopikaKothalkar	M.Sc Biotechnology Dr. Ambedkar College, Nagpur
9.	Ms. Ashwini P Musale	M.Sc Biotechnology Rajiv Gandhi Biotechnology Center, Nagpur
10.	Ms. Sauravi G Choudhary	M.Sc Biotechnology Madurai Kamaraj University, Tamil Nadu
11.	Ms. SayaliU.Giri	M.Sc Biotechnology Dr. Ambedkar College, Nagpur
12.	Ms.Alisha R. Pathan	M.Sc Biotechnology Dr. Ambedkar College, Nagpur
13.	Ms.Simran V Saraf	M.Sc BiotechnologyBharatiVidyapeeth Deemed University, Pune
14.	Ms.Neha V Prasad	M.Sc Microbiology RTMNU Campus, Nagpur
15.	Ms.Shruti P Khedkar	M.Sc Biotechnology Rajiv Gandhi Biotechnology Center, Nagpur
16.	Ms.TanushreePande	M.Sc Biotechnology Dr. D.Y.Patil Biotechnology and Bioinformatics Institute, Pune
17.	MrunmayeeDupalliwar	M.Sc in Biomedical Sciences Research University of Briston, UK
18.	Ms.Ritika S Badwe	M.Sc Biotechnology Dr. Ambedkar College, Nagpur
19.	s.VaishnaviMallurwar	M.Sc Biotechnology Dr. D.Y.Patil Biotechnology and Bioinformatics Institute, Pune
20.	Ms.GayatriKarale	Advanced Diploma In Medical Laboratory Technology RST Regional Cancer Hospital and Teaching Institute, Manewada Road, nagpur
21.	Ms.DikshitaHatwar	MBA Pharamaceutical Management IIMR University, Jaipur, Rajasthan
22.	Ms.SrushtiR.Shrawane	M.Sc Biotechnology Rajiv Gandhi Biotechnology Center, Nagpur
23.	Ms.AmrutaTelang	M.Sc BiotechnologySardarpatel University Anand, Gujrat
24.	Ms. Indrayani R. Pande	M.Sc in Molecular Biology and Genetic Engineering RTMNU Nagpur
25.	Mr.Akash R. Chidam	M.Sc Biochemistry Banaras Hindu University, Varanasi

(iv) Students' participation in seminar : Nil

Student of M.Sc. Sem IV participated in conference

Sr. No.	Name of Students	Conference type	Participation as
1.	-	-	-

(v) Students' Learning course through-on-line : Nil

6. Faculty

I. Research Paper Publications : Nil

A. Total Number of publications: Nil

i) International \_\_\_\_\_

ii) National \_\_\_\_\_

B. Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index : Nil

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self-citation
-	-	-	-	-	-	-

C. Faculty participation in conferences/seminar/workshop and symposia:

Name of the Faculty	Title of Conference/ Seminar/ workshop Attended	Period	Level International/ National/State /University /College	Whether Presented papers	Whether abstract /paper published in Souvenir/Abstract Book
Ms. D.DeepthiHynal	Expert talk was conducted on 31 st May 2021 by the Department of Microbiology and Biotechnology on the topic "Covid 19 and Mucormycosis : Myths and Facts	31 st May 2021	College level	No	No

Ms. Nikita Pawar	Expert talk was conducted on 31 st May 2021 by the Department of Microbiology and Biotechnology on the topic "Covid 19 and Mucormycosis : Myths and Facts.	31 st May 2021	College level	No	No
Ms. Sanchari Sarkar	Expert talk was conducted on 31 st May 2021 by the Department of Microbiology and Biotechnology on the topic "Covid 19 and Mucormycosis : Myths and Facts.	31 st May 2021	College level	No	No

**D. Awards to Faculty members : Nil**

**7. MoUs signed with institutions of national, international importance, other universities, industries, corporatehouses etc. during the year : Nil**

Date of MOU	Organization	Purpose/Activity	Student Participate under MOU
-	-	-	-

**8. Research funds sanctioned and received from various agencies, industry and other organizations : Nil**

Nature of the Project	Duration	Name of funding Agency	Amount Sanctioned	Amount Received
-	-	-	-	-

**9. Books Published : Nil**

	Book		Book Edited
	Title	ISBN and Date	Chapter
	-	-	-



10. **Research Guidance by Faculty during the year : Nil**

Name of the guide	Ph.D		
	Awarded	Submitted	Registered
-	-	-	-

11. **Alumni engagement**

a. **Contributes significantly to the development of the institution through financial and other supports : Nil**

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b. **alumni contribution during the year : Nil**

12. **Action Plan of the Department**

1. Workshop on Molecular Biology Techniques.
2. Proposal for post-graduation course in Biotechnology department.
3. Guest lecture on "Awareness on breast cancer"
4. Model making competition on "BioWorld"
5. Conduction of seminars as assignments.
6. Plan for industrial trip.

13. **Best Practices of the department**

Department always organizes various activities for the benefit of students. Those activities are given as under-

- Students Mentor Scheme is practiced.
- Teacher –Students interaction is encouraging.
- Guidance and interactive discussion with the students.
- To inculcate competitive and humanitarian spirit in the students.
- To inculcate scientific temper in the students.
- Awareness is created about yoga and Naturopathy.

14. **SWOT Analysis**

➤ **Strength-** Well equipped Biotechnology laboratory and experienced teaching staff and Nonteaching staff.

Most of the students get admissions to M.Sc.

Most of the students secure jobs after B.Sc and M.Sc..

All teachers complete allotted syllabus in time satisfactorily.

Department has good facilities for research activities.

➤ **Weakness-**Limited Laboratory space. Posts of Regular Teaching staff are vacant.

➤ **Opportunities-** Biotechnology is basic as well as applied subject, therefore during this

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pandemic situation of COVID 19, now the students have understood the importance of microorganisms and higher demand of biotechnology subject. There are job opportunities in this field i.e. Vaccine Development, Research Analyst, Pathology Laboratory Technician, Quality Control officer, Food and Drug Administrative officer, District Malaria officer, Clinical Laboratory Technician etc.



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Co-ordinator  
Micro-Biotech.