

Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Internal Quality Assurance Cell

DEPARTMENT OF BIOTECHNOLOGY

INTERNAL ACADEMIC AUDIT

2023-2024

1. A. Faculty Strength:

Faculty	Recruited	Vacant	Remarks
Regular	-	-	-
CHB	-	-	-
Ad-hoc	03	-	-
Non-teaching	02	-	-

B. Faculty profile

Name	Highest Qualification	Designation	Specialization	Teaching Experience
Ms. Mayuri Bhad	M.Sc, B.Ed, SET,	Assistant Professor (Adhoc)	Biotechnology	03 Years
Dr. Sapna Baghel	Ph. D.	Assistant Professor (Adhoc)	Biotechnology	02 Years
Ms. Payal Talekar	M.Sc,SET	Assistant Professor (Adhoc)	Biotechnology	03 Years

2. Student's strength

Year	Group	Number of Students Admitted
B.Sc. Semester I	CMBT	78
B.Sc. Semester III	CMBT	76
B.Sc. Semester V	CMBT	69
M.Sc. Semester I	NA	NA
M.Sc. Semester III	NA	NA
Ph.D.	NA	NA
Value Added Program	Certificate Course in Immunology & Immunodiagnostics	75

P. G. STUDENT INDUCTION PROGRAMME	No
ACADEMIC PLANNINGS	Yes
BRIDGE COURSE TAUGHT	Yes
REMEDIAL COURSE TAUGHT	Yes

3. Student Performance

A. Result Analysis (Winter 2023) UG & PG

Programme Name	Number of students who appeared in the final year examination	Number of students who passed in final year examination	Pass Percentage
B.Sc III Semester V Biotechnology	69	58	84.05%
B.Sc II Semester III Biotechnology	76	69	90.78%
B.Sc I Semester I Biotechnology	78	70	89.74%

B. Result Analysis (Summer 2023) UG & PG

Program Name	Number of students who appeared in the final year examination	Number of students who passed in final year examination	Pass Percentage
B.Sc III Semester VI Biotechnology	-	-	-
B.Sc II Semester IV Biotechnology	-	-	-
B.Sc I Semester II Biotechnology	-	-	-

C. Achievements

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

Sr. No.	Name of the Students	Class	Title
1.	-	-	-

B- Merit Position of UG Students in RTMNU

Year	Name of the Students	Merit Position
Summer 2024	-	-

C- Merit Position of PG Students in RTMNU

Sr. No.	Name of the Students	Merit Position
	NA	NA

4. Student's Progression:

No. of students enrolling in higher Education	Name of institution joined	Name of program admitted to
Summer 2022 UG TO PG (03)		
Nil	Nil	Nil
Summer 2023 UG to PG (08)		
Nil	Nil	Nil
PG to Research	-	-
Placement	-	-
On-Campus	-	-
Off-Campus	-	-

(i) Students' publication in Conferences/ Journals:

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

(ii) Students' participation in Seminar/ Conferences:

Sr. No.	Name of Students	Conference type	Participation as
1.	B.ScI,II & III Year	Skill-based workshop (20 th April 2024)	Student Delegates

(iii) Students' Extension Activity/ Extracurricular activity

Sr. No.	Name of the activity	The number of students who Participated
1.	Calendar making competition(14 th September 2023)	70 students participated
2.	Rangoli competition(14 th September 2023)	50 students participated
2.	Scientific Model-Making Competition (24 th February2024)	61 students participated
3.	"Immunology and Immunodiagnosics" skill-based workshop (20 th April 2024)	165 students participated
5.	Poster Competition on "Geographical indications of India" (26 th April 2024)	92 students participated

(i) Participation of Students in online/MOOCs courses/ NPTEL/ SWAYAM

Sr. No.	Name of the Students	MOOCs / NPTEL/ SWAYAM
-	-	-

5. Faculty

I. Research Paper Publications:00

A. Total Number of publications:

i) International :00

ii)National: Nil

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

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/seminars/workshops 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. Mayuri Bhad	C2SM	07/03/2024	State	No	
Dr. Sapna Baghel	C2SM	07/03/2024	State	No	
Ms. Payal Talekar	C2SM	07/03/2024	State	No	

D. Awards to Faculty members: Nil

Name of Teacher	Title of the Award	Title of Agency/ Conference	National / International
-	-	-	-

6. Number of functional MoUs with institutions, other universities, industries, corporate houses, etc. during the year

The organization with which MoU is signed	Year of signing MoU	Duration	List the actual activities under each MOU year wise	Number of students/teachers who participated under MoUs
Department of Management Dhanwate National college, congress nagar Nagpur.	-06 October 2018-	Untill further-	Intercollegiate Poster Competition on "GEOGRAPHICAL INDICATIONS OF INDIA" -	Dr. Pranita Gulhane, Ms. Mayuri Bhad, Dr. Sapna Baghel, Ms. Payal Talekar-

7. Research funds sanctioned and received from various agencies, industries and other organizations: Nil

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

8. Books Published: Nil

S. No	Book		Book Edited
	Title	ISBN and Date	Chapter
	-	-	-

9. Research Guidance by Faculty during the year: Nil

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

10. Generation of funds through internal and external sources such as donations, consultancy, self-financing courses and so on: Nil

Name of the nongovernment funding agencies/ individuals/ self-financing courses /consultancy service.	Purpose of the Grant/Fund	Fund generated in rupees.
-	-	-

11. Alumni Engagement:

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

12.Action Plan of the Department:

1. Workshop on molecular Biology Techniques Plant Tissue Culture.
2. Conduction of Seminar on Curriculum
3. Plan for Industrial Visit
4. Calendar Making Activity on the Biography of founder president on Dr. Panjabrao Alias

Bahusaheb Deshmukh

5. Formation of Biotechnology Subject Society Unit.
6. Felicitation of Meritorious students & volunteers.
7. Skill based workshop will be conducted
8. Scientific model making competition will be conducted.

13. Best Practices of the Department:

1. Student Mentor Scheme is practiced.
2. Teacher-student interaction is encouraging.
3. Felicitate & reward the merit students.
4. Guidance & interactive discussions with the students.
5. Help to Economically Backward Students.
6. To Inculcate Competitive & Humanitarian spirit of the students.
7. To Inculcate Scientific Temper in the students.
8. Awareness is created about Yoga & Naturopathy.
9. Parents-teacher meeting is conducted.
10. Classroom seminars are conducted based on curriculum.
11. Biotechnology subject society student's unit formation in collaboration with Microbiology Society, India
12. Calendar Activity on the Biography of founder president on Dr. Panjabrao Alias Bahusaheb Deshmukh
13. Bridge Course conducted for B.Sc I year students.
14. Best Students Award distributed among students

14. SWOT Analysis:

- **Strength** - Well Equipped Biotechnology laboratory & experienced teaching & non-teaching staff.

Most of the students get admission to the M.Sc

Most of the students secure job after a B.Sc

All teachers completed allotted syllabus in time satisfactorily.

Department has good facility for research activities.

- **Weakness**-

Posts of regular Teaching Staff are vacant.

- **Opportunities**-

Biotechnology is a basic as well as an applied subject therefore students have understood the importance of higher demand for Biotechnology Subjects. There are Job opportunities in this field i.e. Vaccine Development, Research Analyst, Quality Control officer, Food & Drug Administration, Clinical Laboratory Technician, IP manager in IPR, Plant tissue Culture Technicians, Genomics Technicians, Research Associates, Biomedical Equipment's Technicians.

- **Threats**- Technology moving out of Microbiology domain.



Head of the Department

Prof. A. D. Bobdey

**Co-Ordinator
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Nagpur-12.**