

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

DEPARTMENT OF BIOTECHNOLOGY

INTERNAL ACADEMIC AUDIT

2022-2023

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.D.DeepthiHynal	M.Sc,B.Ed	Assistant Professor (Adhoc)	Biotechnology	05 Years
Ms.Sanchari Sarkar	M.Sc,B.Ed,SET, GATE	Assistant Professor (Adhoc)	Microbiology	02 Years
Ms.Mayuri Bhad	M.Sc,B.Ed,SET,	Assistant Professor (Adhoc)	Biotechnology	01 Years

2. Student's strength

Year	Group	Number of Students Admitted
B.Sc. Semester I	CMBT	86
B.Sc. Semester III	CMBT	71
B.Sc. Semester V	CMBT	79
M.Sc. Semester I	NA	NA
M.Sc. Semester III	NA	NA
Ph.D.	NA	NA
Value Added Program	Certificate Course in Immunology &	26

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

3. Student Performance

A. Result Analysis (Winter 2022) 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	79	65	82.27%
B.Sc II Semester III Biotechnology	71	44	61.97%
B.Sc I Semester I Biotechnology	86	46	53.48%

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	84	84	100%
B.Sc II Semester IV Biotechnology	79	79	100%
B.Sc I Semester II Biotechnology	73	73	100%

C. Achievements

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

Sr. No.	Name of the Students	Class	Title
1.	Ms.ShashankTidke	B.Sc III Year	Dr.N.U.Rao Gold Medal For Securing the highest marks in the B.Sc microbiology Summer 2023 exam.

B- Merit Position of UG Students in RTMNU

Year	Name of the Students	Merit Position
Summer 2022	Nazish Jeevaji	7 th
	Sakshi Bobdey	8 th
	Komal Waghmare	9 th

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)		
Sakshi Bobde	IISc, Bangalore	M.Sc Biotechnology
Ankit Pajai	Hislop College, Nagpur	M.Sc Biotechnology
Sharvari Kshirsagar	Hislop College, Nagpur	M.Sc Biotechnology
Summer 2023 UG to PG (08)		
Anshita Arora	University of Nottingham	M.Sc in Cancer Immunology & Biotechnology
Vaishnavi Shimpi	University of Glasgow	M.Sc in Biomedical Sciences
Ms. Adithya Kalalattu	IISER, Pune	Integrated Ph.D Programme
Mr. Ronit Banerjee	NIV, Pune	M.Sc Virology
Ms. Shashank Tidke	Savitribai Phule University, Pune	M.sc Biotechnology
Shreshtha Chanda	VIT, Vellore	M.Sc Applied Microbiology
Poonam Singh	ICFAI Business School, Mumbai	MBA
Vrushali Yawalkar	RGBC, Nagpur	M.Sc Biotechnology
Tejas Shripal	RGBC, Nagpur	M.Sc Biotechnology
Raj Karosiya	D.Y Patil College, Pune	MA Hon's
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.	Sampada Bunde (B.SC I year)	ISCA(January 3-7,2023)	Student Delegates
2.	B.ScI,II & III Year	Inter-collegiate skill-based workshop (4 th March 2023)	Student Delegates
3.	B.Sc I,II & III Year	Seminar on“Strategizing and planning for the competitive exam”(18 th March 2023)	Student Delegates
4.	B.Sc I,II & III Year	International webinar on “Introduction to intellectual property rights and research ethics”(29 th April 2023)	Student Delegates

(iii) Students' Extension Activity/ Extracurricular activity

Sr. No.	Name of the activity	The number of students who Participated
1.	Calendar making competition(05 th -20 th)September 2022	89 students participated
2.	Scientific Model-MakingCompetition(28 th February)2023	89 students participated
3.	Inter-collegiate skill-basedworkshop(4 th March 2023)	165 students participated
4.	Seminar on “Strategizing and planning for the competitive exam”(18 th March 2023)	120 students participated
5.	International webinar on “Introduction to intellectual property rights and research ethics”(29 th April 2023)	200 students participated

(iv) 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.D.DeepthiHynal	Indian Science Congress	January 3-7,2023	International conference	No	No
Ms.Sanchari Sarkar	Indian Science Congress	January 3-7,2023	International conference	No	No
Ms.Mayuri Bhad	Indian Science Congress	January 3-7,2023	National conference	No	No
Ms.Mayuri Bhad	Adapting Green Initiatives for Sustainability	August 24-25,2022	International conference	Yes	No

D. Awards to Faculty members: Nil

Name of Teacher	Title of the Award	Title of Agency/ Conference	National / International
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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-	Until Further	International Webinar on “Introduction to Intellectual Property Rights & Research Ethics”-	Dr. Ameya Gupte Post Doctoral Researcher DAFNAE , University of Padova -Italy

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 Meritorius 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 students 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 Equipments Technicians.

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

Date: 21/03/24

A handwritten signature in blue ink that reads "A. D. Bobdey".

Head of the Department

Prof. A. D. Bobdey

An official stamp with a light green background. The text inside the stamp reads: "Co-Ordinator", "Department of Biotechnology", "Science College, Congress Nagar,", "Nagpur-12." in a bold, sans-serif font.

**Co-Ordinator
Department of Biotechnology
Science College, Congress Nagar,
Nagpur-12.**