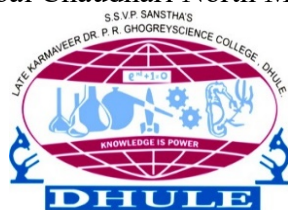


S.S.V.P.S's Late Karmaveer Dr. P. R. Ghogrey Science College, Dhule, Maharashtra
'A+' Grade NAAC Re-Accredited
(Affiliated to KavayitriBahinabai Chaudhari North Maharashtra University, Jalgaon)



DEPARTMENT OF BIOTECHNOLOGY

Departmental Profile

1. Scope and Importance of department-

Biotechnology is an interdisciplinary science which encompasses areas viz. Molecular Biology, Cell Biology, Genetics, Biochemistry, Bioinformatics, Microbiology, Virology, Plant and Animal tissue culture, Bioprocess engineering. It is a fast emerging “cutting edge” science with distinctive advantages as it finds applications in practically all aspects of life. The subject offers exciting opportunities in various fields from basic research to an industry-oriented career. Keeping in view expanse and applications of biotechnology in every field there is going to be a perpetual demand for resource personnel with biotechnology as specialization. Our undergraduate and postgraduate program is aimed to cater this ever-increasing demand and to groom students to excel in their future career.

Academic Excellence:

The Biotechnology Department strives for academic excellence by offering rigorous, career oriented and up-to-date curricula. The department focuses on core Life-science subjects such as microbiology, biomolecule, molecular biology, genetic engineering, bioinformatics fermentation technology, immunology, plant tissue culture, pharmaceutical biotechnology, animal tissue culture, environmental biotechnology and biostatistics. It also explores specialized areas such as recombinant DNA technology, bioprocess technology, biophysical techniques. By providing a strong foundation and advanced knowledge, the department prepares students for careers not only in academics but also in industry and research.

2. Introduction of Department-

The Department made a modest beginning in 2005 with the commencement of Under Graduate (B.Sc.), Post Graduate (M.Sc.) and Certificate course in Biotechnology from 2007.

Biotechnology. The department has qualified and experienced teaching staff and who strive hard to impart quality education to the students. The department has two laboratories viz. Microbiology lab and plant tissue culture laboratory and a central laboratory. The department also have internet access of 20mbps, laboratories are well equipped with latest equipment's/instruments. The department also has a departmental library where reputed International and National editions of books and Journals are made available to the students.

3. Year of establishment:

- Undergraduate courses- June 2005.
- Post-graduate courses- June 2005.
- Certificate Course In Biotechnology- June 2007.

4. Details of Programmes / Courses offered (UG/PG/PhD/Certificate Course/Diploma course)(Academic Year 2022-23)

Name of Programme	Duration	Entry Qualification	Medium of Instruction	Intake Capacity
Under Graduate	3 Years	H.S.C. Science	English	30
Post Graduate	2 Years	B.Sc Biotechnology	English	25
Certificate Course	1 Year	H.S.C. Science	English	30

5. Program pattern (Semester / annual/ CBCS)

Name of Programme	Internal Exam.	External Exam.	Pattern
Under Graduate	40	60	Semester
Post Graduate	40	60	Semester
Certificate Course	40	60	Semester

6. Number of teaching and non-teaching staff

Teaching Staff

Sr. No.	Name of Faculty	Qualification	Designation	Experience (Yrs.)
1	Dr. Harshal Madhukar Bhamare	M.Sc. Ph.D. SET	Head, Asst. Professor	18
2	Ms. Sunita Poonam Pawar	M.Sc. B.Ed.	Asst. Professor	15
3	Dr. Yuvraj Dasharath Adsul	M.Sc. M.Phil. Ph.D.	Asst. Professor	13
4	Ms. Sujata Nagraj Patil	M.Sc. Pursuing Ph.D.	Asst. Professor	10
5	Mr. Vikas Chudaman Patil	M.Sc. SET	Asst. Professor	04
6	Mr. Nainesh Vikas Deore	M.Sc.	Asst. Professor	01

Non-teaching Staff

Sr. No.	Name of Faculty	Designation	Experience (Yrs.)
1	Mrs. Priti A. Patil	Lab. Assistant	09
2	Mr. Gopichand M. Patil	Lab. Attendant	25

7. Number of Teaching in the department

Designation	Sanctioned	Filled
Professor		
Associate Professor		
Assistant Professor	06	06*
* Filled on fix pay Non grant basis		

8. Faculty profile with name, qualification, designation, specialization, (Ph.D. / M. Phil. etc.,)

Sr. No.	Name of faculty	Qualification	Year of appointment	Designation	Specialization	Experience (Year and months)
1	Dr. Harshal Madhukar Bhamare	M.Sc. Ph.D. SET	2005	Head,Asst. Professor	Biotechnology	18
2	Ms. Sunita Poonam Pawar	M.Sc. B.Ed.	2007	Asst. Professor	Biotechnology	16
3	Dr. Yuvraj DasharathAdsul	M.Sc. M.Phil. Ph.D.	2009	Asst. Professor	Biotechnology	14
4	Ms. Sujata Nagraj Patil	M.Sc. Pursuing Ph.D.	2011	Asst. Professor	Biotechnology	12
5	Mr. Vikas Chudaman Patil	M.Sc. SET	2018	Asst. Professor	Biotechnology	04
6	Mr. Nainesh Vikas Deore	M.Sc.	2022	Asst. Professor	Biotechnology	01

9. List of senior visiting faculty..... NO

10. Ongoing /completed research projects by faculty funded by governmental and non-governmental agencies (Last five years)

11. Research papers published in journals notified on UGC website (Last five years)NA

Sr. No.	Name of Journal	Title of Research Paper	ISSN/ ISBN No.	Whether peer reviewed. Impact
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				Factor, if any
1	PLOS ONE.	Tree bark scrape fungus: A potential source of laccase for application in bioremediation of non-textile dyes	vol 15, e0229968	3.752
2	Journal of Scientific and Industrial Research (JSIR)	Statistically Designed Bioprocess for Enhanced Production of Alkaline Protease in <i>Bacillus cereus</i> HP_RZ17	ISSN: 0972-5423	0.55
3	Environ Sustainability	Statistical optimization for enhanced production of extracellular laccase from <i>Aspergillus</i> sp. HB_RZ4 isolated from bark scrapping.		Peer Reviewed
4	European Journal of Biomedical and Pharmaceutical Sciences	Synthesis and characterization of azo compounds as prodrugs of sulfonamides containing thymol moiety and its invitro degradation	ISSN 2349-8870	4.382
5	GIS Science Journal	Antibacterial activity of thirteen medicinal plant extract against bacterial strains <i>Xanthomonas citri</i> and <i>Pseudomonas syringe</i>	ISSN NO : 1869-9391	6.1
6	Science, Technology and Development	Efficacy of ten plant extract powder as stored grain protectant	ISSN : 0950-0707	6.1
7	International Journal of All Research Education and Scientific Methods (IJARESM)	Phytochemical Screening of Thirteen Medicinal Plant Extracts	ISSN: 2455-6211	7.429
8	Optical detection of total cholesterol based on a dye-displacement method	Optical detection of total cholesterol based on a dye-displacement method	ISSN:1386-1425	4.4

12. Research papers published in National/International Conference-proceedings... NA

13. Number of books and chapter in edited volumes/Books published

Title of the book/chapter published	National/International	Year of publication	ISBN/ISSN No.	Name of the publisher
Microbial Laccase: Production and their potential application.	National	2016		Advances in bio and medico sciences
Omicron Variant: A New Chapter In The Covid-19	National	2022	ISBN: 978-93-91768-52-2	CIVID 19: Impact and Response Vol-II

14. Name of Research Guides.....NA

15. Number of Ph. D/ M. Phil awarded by faculty..... NA

16. Faculty as chairman/members in National committees/International Committees/
EditorialBoards/BOS/University committees etc.

Sr. No.	Name of faculty	Name of the body in which full time teacher participated	Member of editorial board	Reviewer
1	Dr. Harshal M. Bhamare	<ul style="list-style-type: none">• Chairman,S.Y.B.Sc. and T.Y.B.Sc Biotechnology Paper setting and practical exam committee• Member, M.Sc Biotechnology Paper setting and practical exam committee	Paper Setting and Practical Exam Committee KBC NMU, Jalgaon	--
2	Dr. Yuvraj D. Adsul	Member ,T.Y.B.Sc and M.Sc Biotechnology Paper setting and practical exam committee	Paper Setting and Practical Exam Committee KBC NMU, Jalgaon	--
3	Ms. Sunita P. Pawar	Member ,F.Y.B.Sc., T.Y.B.Sc and M.Sc Biotechnology Paper setting and practical exam committee	Paper Setting and Practical Exam Committee KBC NMU, Jalgaon	--
4	Ms. Sujata N. Patil	Member ,S.Y.B.Sc., T.Y.B.Sc and M.Sc Biotechnology Paper setting and practical exam committee	Paper Setting and Practical Exam Committee KBC NMU, Jalgaon	--
5	Mr. Vikas C. Patil	Member ,T.Y.B.Sc and M.Sc Biotechnology Paper setting and practical exam committee	Paper Setting and Practical Exam Committee KBC NMU, Jalgaon	--

18.Awards / Recognitions received by faculty - NA

19. Numbers of awards / Medals for outstanding performance in sports/cultural activities in National/ International/ State level etc. received by students-- NA

20. Students Qualifying in State/National/International level examination (NET, SET, GATE, GMAT, GRE, TOEFL/UPSC/MPSC/State government examination, etc.)--NA

21. Student progression to higher studies. UG to PG, PG to M. Phil., PG to Ph. D, M. Phil to Ph. D, Ph. D to post Doctoral, etc. (Last Batch, 2016-17)

1 UG to PG

Sr. No.	Program Graduated From	Department Graduated from	Student Name	Name of the Institute Joined	Name of the Program admitted
1	B. Sc.	S.S.V.P.S. Science College- Dhule	Patil Harish Dhanraj	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
2	B. Sc.	S.S.V.P.S. Science College- Dhule	Marathe Punam Ravindra	School of Life-Sciences- KBC NMU, Jalgaon	M. Sc. Biotech.
3	B. Sc.	S.S.V.P.S. Science College- Dhule	Patel Aasif Yusuf	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
4	B. Sc.	S.S.V.P.S. Science College- Dhule	Shaikh Nida Mushtaque	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
5	B. Sc.	S.S.V.P.S. Science College- Dhule	Shelar Daksha Suresh	Sandip Foundation, Nasik	M.B.A.
6	B. Sc.	S.S.V.P.S. Science College- Dhule	Patil Chetan Sanjay	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
7	B. Sc.	S.S.V.P.S. Science College- Dhule	Baviskar Neha Milind	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
8	B. Sc.	S.S.V.P.S. Science College- Dhule	Baviskar Sanyogita Chandrakant	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
Sr. No.	Program Graduated From	Department Graduated from	Student Name	Name of the Institute Joined	Name of the Program admitted
9	B.Sc.	S.S.V.P.S. Science College- Dhule	Bahdane Nikita Yuvraj	School of Life-Sciences- KBC NMU, Jalgaon	M. Sc. Biotech.
10	B.Sc.	S.S.V.P.S. Science College- Dhule	Desale Vidya Prabhakar	School of Life-Sciences- KBC NMU, Jalgaon	M. Sc. Biotech.
11	B.Sc.	S.S.V.P.S. Science College- Dhule	Mali Chetan Sunil	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
12	B.Sc.	S.S.V.P.S. Science College- Dhule	Mhasane Darshana Bhimrao	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
13	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Dhiraj Madhavrao	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.

14	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Dipali Sanjay	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
15	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Neha Ravindra	School of Life- Sciences- KBC NMU, Jalgaon	M. Sc. Biotech.
16	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Shubham Manohar	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
17	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Tejal Avinash	D. Y. Patil College of Management, Pune	MBA
18	B.Sc.	S.S.V.P.S. Science College- Dhule	Rokade Joytsna Hiralal	D. Y. Patil College of Management, Pune	MBA
19	B.Sc.	S.S.V.P.S. Science College- Dhule	Sonawane Rahul Valmik	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
20	B.Sc.	S.S.V.P.S. Science College- Dhule	Wagh Bhavana Sagar	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
21	B.Sc.	S.S.V.P.S. Science College- Dhule	Pawar Shubhangi Suresh	Dr. B. V. Hiray College of Management & Research- Malegaon	MBA
22	B.Sc.	S.S.V.P.S. Science College- Dhule	Bacchao Devendra Vijay	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
Sr.23 No.24	Program Graduated From	Department Graduated from	Student Name	Name of the Institute Joined	Name of the Program admitted
25	B.Sc.	S.S.V.P.S. Science College- Dhule	Baviskar Nivedita Sunil	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
26	B.Sc.	S.S.V.P.S. Science College- Dhule	Birhade Diksha Ghanshyam	School of Life Sciences KBC NMU, Jalgaon	M. Sc. Biotech.
27	B.Sc.	S.S.V.P.S. Science College- Dhule	Chaudhari Paresh Manoj	R. C. Patel Science Collge, Shirpur	M. Sc. Biotech.
28	B.Sc.	S.S.V.P.S. Science College- Dhule	Desale Pradnya Jayvant	R. C. Patel Science Collge, Shirpur	M. Sc. Biotech.
29	B.Sc.	S.S.V.P.S. Science College- Dhule	Jain Neha Dinesh	School of Life Sciences KBC NMU, Jalgaon	M. Sc. Biotech.

30	B.Sc.	S.S.V.P.S. Science College- Dhule	Joshi Aarti Pandit	KCE's PG Department, Jalgaon	M. Sc. Biotech.
31	B.Sc.	S.S.V.P.S. Science College- Dhule	Khairnar Rupali Kailas	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
32	B.Sc.	S.S.V.P.S. Science College- Dhule	Koli Harshal Ramesh	KCE's PG Department, Jalgaon	M. Sc. Biotech.
33	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Aishwarya Prakash	KCE's PG Department, Jalgaon	M. Sc. Biotech.
34	B.Sc.	S.S.V.P.S. Science College- Dhule	Marathe Ganesh Sanjay	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
35	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Karishma Nitin	R. C. Patel Science Collge, Shirpur	M. Sc. Biotech.
36	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Nilesh Ajabrao	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
37	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Nitin Ashok	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
38	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Poonam Bhavlal	School of Life Sciences KBC NMU, Jalgaon	M. Sc. Biotech.
39	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Sagar Sitaram	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
Sr. No.	Program Graduated From	Department Graduated from	Student Name	Name of the Institute Joined	Name of the Program admitted
40	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Sakshi Kishor	School of Life Sciences KBC NMU, Jalgaon	M. Sc. Biotech.
41	B.Sc.	S.S.V.P.S. Science College- Dhule	Sawant Snehal Arun	School of Life Sciences KBC NMU, Jalgaon	M. Sc. Biotech.
42	B.Sc.	S.S.V.P.S. Science College- Dhule	Shinde Maya Balasahe	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
43	B.Sc.	S.S.V.P.S. Science College- Dhule	Wagh Pratik Nagraj	R. C. Patel Science College, Shirpur	M. Sc. Biotech.
44	B.Sc.	S.S.V.P.S. Science College- Dhule	Wani Kalyani Sanjay	School of Life Sciences KBC NMU, Jalgaon	M. Sc. Biotech.

45	B.Sc.	S.S.V.P.S. Science College- Dhule	Bachhav Utkarsha Narayan	K. T. H. M. College, Nasik	M. Sc. Biotech.
46	B.Sc.	S.S.V.P.S. Science College- Dhule	Bhamre Gayatri Dinesh	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
47	B.Sc.	S.S.V.P.S. Science College- Dhule	Chaudhari Pratksha Madhukar	R. C. Patel Science College, Shirpur	M. Sc. Biotech.
48	B.Sc.	S.S.V.P.S. Science College- Dhule	Chaudhari Pratima Yograj	School of Life Sciences KBC NMU, Jalgaon	M. Sc. Biotech.
49	B.Sc.	S.S.V.P.S. Science College- Dhule	Deore Rajshri Subhash	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
50	B.Sc.	S.S.V.P.S. Science College- Dhule	Dhangar Rupesh Nanabhau	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
51	B.Sc.	S.S.V.P.S. Science College- Dhule	FulpagareRajashree Sitaram	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech.
52	B.Sc.	S.S.V.P.S. Science College- Dhule	Gadhari Rakesh Rajendra	School of Life Sciences KBC NMU, Jalgaon	M. Sc. Biotech.
53	B.Sc.	S.S.V.P.S. Science College- Dhule	Khairnar Mohini Ashok	KCE's PG Department, Jalgaon	M. Sc. Biotech
54	B.Sc.	S.S.V.P.S. Science College- Dhule	Mahajan Sakshi Sachin	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech
Sr. No.	Program Graduated From	Department Graduated from	Student Name	Name of the Institute Joined	Name of the Program admitted
55	B.Sc.	S.S.V.P.S. Science College- Dhule	Mahale Lalit Dhudaku	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech
56	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Dipali Gulabrao	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech
57	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Madhuru Vasant	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech
58	B.Sc.	S.S.V.P.S. Science College- Dhule	Satbai Akash Dhananjay	P. L. Shah, Dhule Edu. Society's college of education	B.Ed.
59	B.Sc.	S.S.V.P.S. Science	Sonawane Avinash Hiralal	S.S.V.P.S. Science	M. Sc. Biotech

		College- Dhule		College- Dhule	
60	B.Sc.	S.S.V.P.S. Science College- Dhule	Wagh Sachin Nanabhau	R. C. Patel College, Shirpur	M. Sc. Biotech
61	B.Sc.	S.S.V.P.S. Science College- Dhule	Wagh Suvarna Mangaldas	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech
62	B.Sc.	S.S.V.P.S. Science College- Dhule	Gujar Kunal Vijay	R. C. Patel College, Shirpur	M. Sc. Biotech
63	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Dipak Ravindra	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech
64	B.Sc.	S.S.V.P.S. Science College- Dhule	Patil Neha Ravindra	S.S.V.P.S. Science College- Dhule	M. Sc. Biotech

2 PG to Ph. D or M. Phil to Ph. D.

Sr. No.	Program Graduated From	Department PG from	Student Name	Name of the Institute Joined	Name of the Program admitted
1	M.Sc.	S.S.V.P.S. Science College- Dhule	Patil Archana Narayan	Swami vivekanand University M.P	Ph.D.

22. Placement of outgoing students (Last five years, 2012-2017)

Sr.	Contact detail	Number of students placed	Name of the employer with contact details	Package received (L/A)	Program graduated from
1	7030638677		Shimpi Snehal Purushottam Accountant J. B. Association Dhule	1.8	S.S.V.P.S. Science College- Dhule
2	9870696351		Tupe Harshal Namdeo Clerk Griha Vidya prasarak mandal MehunbareChalisgaonDist Jalgaon	3.36	S.S.V.P.S. Science College- Dhule
3	02562- 275318		Gaikwad ReebekaPrabhudas Teacher, Chavara English Medium Dhule	1.2	S.S.V.P.S. Science College- Dhule
4	9673128729		Borase Yogesh Virdhaval Assistant Alternafoss energy Private Limited MIDC	1.44	S.S.V.P.S. Science College- Dhule

5			Girase Nilesh Jitendra Excutive, Customer Centria, IT company, NOIDA	1.80	S.S.V.P.S. Science College- Dhule
6	9130826083		Patil Chirag Nimba Teacher, Muktangan Education Capus, Borkund.	1.4	S.S.V.P.S. Science College- Dhule
7	9766852537		Salunke Vikas Arun Sr. Production Officer Lupin Pharma, Bhoisar	4.85	S.S.V.P.S. Science College- Dhule
8			Badgular Ganesh Madhukar Quality Control, OtuskaPharmaceuticala Pvt. Ltd. Village Vasana- Chacharwadi, Tal-Sanand- Ahmedabad	2.28	S.S.V.P.S. Science College- Dhule
9	9623716531		ChincholeRuchita Rajendra Junior Drug Data Exicutive, PHARMARACK Technology- Pune	1.92	S.S.V.P.S. Science College- Dhule
10	9764240191		Sambar Ankita Vijay Dtat Analyst, pharmacovigilance, Cognizent- Pune	2.4	S.S.V.P.S. Science College- Dhule
11	9503702809		Mali Chetan Sunil Microbiologist Zen Pharma(P) Ltd.75/1, 'J' Type Area G.I.D.C- Vapi	2.84	S.S.V.P.S. Science College- Dhule
12	7410570709		Patil Roshan Kailas QC Asst. Anuh Pharma Ltd. E-17/3, E- 17/4 & E-18 M.I.D.C., Tarapur, BOISAR	1.8	S.S.V.P.S. Science College- Dhule
13	8329331951		Patil Tejal Avinash AST Application Software Technologies PVT LTD. Koregaon Park Annexe- Pune	2.4	S.S.V.P.S. Science College- Dhule

23. List of alumni/contribution---- NA

24. Seminars/ Conferences/Workshops/ Webinar organized & the source of funding

Sr. No.	Level National/ International/ State	Name of the workshop/Seminar	Durations (From-To)	Number of participants
1	State Level	State Eligibility Test (SET) Paper-I Preparation	24/07/2021	160

2	National	Opportunities in Pharmaceuticals & IT Sector	10/08/2021	100
3	Nation	Sericulture and Biomimetics	21/10/2021	161
4	State	Seminar on Recent Trend in Microbiology and Biotechnology	07/03/2022	100

25. Student profile programme/course wise:

Year	Name of the Course/programme	Applications received	Enrolled		Total number of Students
			*F	*M	
2017-18	F.Y.B.Sc. Biotech		25	14	39
	S.Y.B.Sc. Biotech		23	10	33
	T.Y.B.Sc. Biotech		07	06	13
	M.Sc.-I Biotech		09	11	20
	M.Sc.-II Biotech		12	08	20
2018-19	F.Y.B.Sc. Biotech		19	15	31
	S.Y.B.Sc. Biotech		19	10	29
	T.Y.B.Sc. Biotech		15	10	25
	M.Sc.-I Biotech		13	03	16
	M.Sc.-II Biotech		09	05	14
2019-20	F.Y.B.Sc. Biotech		20	17	37
	S.Y.B.Sc. Biotech		13	09	22
	T.Y.B.Sc. Biotech		24	10	34
	M.Sc.-I Biotech		12	05	15
	M.Sc.-II Biotech		14	02	16
2020-21	F.Y.B.Sc. Biotech		12	17	29
	S.Y.B.Sc. Biotech		24	14	38
	T.Y.B.Sc. Biotech		15	10	25
	M.Sc.-I Biotech		10	13	23
	M.Sc.-II Biotech		13	03	16
2021-22	F.Y.B.Sc. Biotech		07	05	12
	S.Y.B.Sc. Biotech		08	12	20
	T.Y.B.Sc. Biotech		23	13	36
	M.Sc.-I Biotech		19	07	27
	M.Sc.-II Biotech		11	14	25
2022-23	F.Y.B.Sc. Biotech		06	08	14
	S.Y.B.Sc. Biotech		04	03	07
	T.Y.B.Sc. Biotech		07	10	17
	M.Sc.-I Biotech		17	08	25
	M.Sc.-II Biotech				

26. Departmental result (last five year)

Year	Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
2017-18	UG	T.Y.Bsc	13	13
	PG	M.Sc	20	18
2018-19	UG	T.Y.Bsc	25	18
	PG	M.Sc	14	14
2019-20	UG	T.Y.Bsc	34	33
	PG	M.Sc	16	14
2020-21	UG	T.Y.Bsc	25	23
	PG	M.Sc	16	15
2021-22	UG	T.Y.Bsc	36	30
	PG	M.Sc	25	24

27. Number of functional MoU's with corporate houses/ industries/other institutes/Universities, etc.

Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs
NIL					

28. Details of Infrastructural facilities

Internet facilities for Staff & Students: Student and staff provided with 20mbps wi-fi access.

Class rooms with ICT facility: Smart Class room facility with smart board, also with projector

Laboratories: 01 Laboratories with 24 burner points for aseptic inoculation, 01 Plant Tissue Culture laboratory with Laminar Air Flow system.

List of Equipments/Instruments:

List of Instruments

No.	Name Of Equipments	Quantity	Year Of Purchase	Total Expenditures during Past Three Years (Rs)
1	Laminar Air Flow	01	2005-2006	65000=00
2	Autoclave (Table Top)	03	2005-2006	11570=00

3	Clinical Centrifuge	02	2005-2006	19600=00
4	Oven	02	2005-2006	24000=00
5	Digital Electronic Top Loading Balance	01	2005-2006	32000=00
6	Spectrophotometer	01	2005-2006	31200=00
7	Colorimeter	01	2005-2006	16000=00
8	Nephelometer	01	2005-2006	12000=00
9	Inverted Microscope	05	2005-2006	404000=00
10	Binocular Research Microscope	01	2005-2006	39750=00
11	Autoclave Vertical	01	2006-2007	38975=00
12	Rotary Shaker	01	2006-2007	32930=00
13	Digital Colony Counter	01	2006-2007	10000=00
14	Agarose Gel Electrophoresis	01	2006-2007	3500=00
15	Cooling Centrifuge	01	2006-2007	48000=00
16	UV florescence Analysis Cabinet	01	2006-2007	9000=00
17	Stainless Steel Distillation Plant	02	2006-2007	16500=00
18	Column Chromatography	01	2006-2007	12000=00
19	Poly Acrylamide Gel Electrophoresis	01	2006-2007	20350=00
20	Incubator	02	2006-2007	26000=00
21	P ^H Meter	01	2006-2007	6500=00
21	Micropipette (1μl-10μl)	01	2007-2008	2610=00
22	Micropipette (2μl-20μl)	01	2007-2008	2610=00
23	Micropipette (50μl-1001μl)	01	2007-2008	2610=00
24	Micropipette (100μl-2001μl)	01	2008-2009	2610=00
25	Pen P ^H Meter	02	2008-2009	3160=00
26	Mc-Intosh Jar	01	2008-2009	5430=00
27	Digital Weighing Balance	02	2008-2009	17100=00
28	Western Blotting kit	01	2008-2009	8490=00
29	Western Blotting kit	01	2008-2009	17760=00

30	Genei Genetic teaching kits	09	2008-2009	37680=00
31	UV-Visible Spectrophotometer	01	2009-2010	1,48000=00
32	BOD Cooling Incubator	01	2012-2013	1,67000=00
33	Rotavapor with Chiller	01	2012-2013	1,80000=00
34	Bioreactor	01	2012-2013	3,00,000=00
35	Olympus TrinacularMicroscop	01	2012-2013	1,15,000=00
Total Rs.				18,97,935=00

29. Details on student enrichment programmes (special lectures / workshops / seminar/Webinar) with external experts

Sr. No.	Enrichment programmes	Experts
1 2	Webinar	Shri. Shashikant Shinde “State Eligibility Test (SET) Paper-I Preparation”
3	Seminar	Dr. A. M. Deshmukh, “Recent Trends in Microbiology & Biotechnology”
4	Webinar	Dr. Chandrashekhar J. Hiware, Dr. Razia Sultana “Sericulture & Biomimetics- The New Era”
5	Webinar	Dr. Kakasaheb Kore, Ms. Kavita Jedhe. “Opportunities in Pharmaceuticals & IT Sector”
6	Industrial Visit	Jain Irrigation System Ltd, Jalgaon
7	Industrial Visit	York Winery Ltd, Nasik
8	Industrial Visit	Sula Wnine, Nasik

30. Teaching methods adopted to improve student learning-

- Use of Video Clips
- Project Work
- Video Conferencing Lecture
- Organized Workshop
- Online NPTEL courses
- Online NPTEL/UGC-SWAYAM lectures
- Students seminars
- Field projects/Survey
- Review of research papers (Avishkar)
- Use of Adobe Acrobat reader

31. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Head, Department of Biotechnology.
- IQAC member.
- Campus Supervision Committee Member.
- Chairman of Competitive Exam Center.

32. Future plans:

- To Start Post Graduation diploma in Industrial Biotechnology
- To Start floriculture units by plant tissue culture.
- To conduct vocational course in Nano-Biotechnology.
