

MADHA TALUKA SHIKSHAN PRASARAK MANDAL'S

**K.N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.**

Department of Microbiology

1. Name of the Department		Microbiology		
2. Year of Establishment		2004		
3. Program / Courses offered		B. Sc.		
4. Program wise Examination System (Annual / Semester / CBCS)				
B. Sc.		Semester with CBCS		
5. Courses conducted by the department		1. A Certificate Course in Clinical Microbiology 2. A Certificate Course in Biological safety		
6. Number of Teaching posts :		03 Full Time 02 C.H.B.		
Sanctioned		Recruited		
07 Full Time		03 Full Time 02 C.H.B.		
07. Faculty profile:				
Name	Qualification	Designation	Specialization	Experience in Years
Mr. N.D. Deshmukh	M.Sc., NET	Head and Assistant Professor	Microbiology	9
Ms. S.J. Jadhav	M. Sc., SET	Assistant Professor	Microbiology	9
Mr. D.B. Jadhav	M.Sc., NET	Assistant Professor	Microbiology	5
Mr. K.S. Raut	M.Sc. SET	Assistant Professor	Microbiology	4
Ms. M.N. Mulani	M.Sc. NET	Assistant Professor	Microbiology	3
08 Number of faculty with ongoing projects from funding agencies & grants received:				
NIL				
Conferences				
09. Publications: - 09				
Name of Faculty		Number of papers Presented Seminars /Conferences		
01) Mr. N.D. Deshmukh		International- 05 National- 01		
02 Mr. D.B. Jadhav		International- 03		



13.Details of Infrastructural facilities:

Two Separate Well equipped 1000 sq. feet Laboratory with separate Cabin.

- LCD Projector
- Computer
- Departmental Library
- U.V. Visible double beam Spectrophotometer
- Laminar Air Flow
- Light Microscope
- Autoclave
- Cooling Centrifuge
- Gel Electrophoresis
- Shaking Incubator
- Incubator
- Hot Air Oven

15. Departmental Activities

- Seminars
-
- Quiz Competition
-
- Food Festival
-
- Educational Tour
-
- Guest Lectures
-
- Organization of State Level Microbiolympiad Examination
-
- Coaching for M.Sc. Entrance Examination
- Organization of Workshops on Syllabus/ Seminar/ Conferences
- Special Classes for Slow and Advanced Learners
- Conduct CIE (Continuous Internal Evaluation)
-

16. Teaching methods adopted to improve student learning:

- Lecture Method
- ICT based Teaching
- Seminar Method
- Group Discussion

17. SWOC analysis of the department and Future plans

Strengths

1. Qualified, experienced and dedicated teaching faculty with good retention ratio.
2. Laboratories with advanced equipment and modern Lab Facilities to foster research.
3. Effective use of ICT in teaching learning process and provision of E library facility to the students and Alumni
4. Faculty contributing in development and implementation of curriculum in Board of Studies of an Affiliating University.
5. Student centric functioning with mentoring, counselling through teachers and Effective academic monitoring.
6. Safe and Secured Environment for girl students.
7. Department provides a global level platform to students through Microbiologists Society India (MSI) student Unit.

<ol style="list-style-type: none"> 8. Department provides coaching for competitive examination in Lifesciences (NET, SET, GATE, ICAR NET and Various PET examinations). 9. Department organises Workshops/ Seminars/ Conferences/ Guest lectures/ Microbiological events (Food festival/ Rangoli Competition/ Poster Competition/ Quiz Competition/ Group Discussions/ Study tour).
Weakness
<ol style="list-style-type: none"> 1. NO MNCs/ Industries established in near vicinity. 2. Department lacks in revenue generation. 3. Less Involvement of Alumni at Institute level. 4. Less enthusiasm of parents towards education.
Opportunities
<ol style="list-style-type: none"> 1. To arrange a greater number of National Level /International Level conferences. 2. To arrange specialized Hands-on Training programs through linkages/ MoUs. 3. Scope for interdisciplinary and sponsored projects. 4. To encourage students for entrepreneurship. 5. To provide lab facility to conduct research.
Challenges
<ol style="list-style-type: none"> 1. Strengthen Industry-Institute Interaction. 2. To aware the local industries regarding internship. 3. Needs to introduce skill based short term/ certificate courses which can satisfy demand local companies/ Stakeholders. 4. More focus on Industrial training for faculty and students.
18.Future Plans
<ol style="list-style-type: none"> 1. Major Research Project to Department of Biotechnology, Rajeev Gandhi Science and Technology Commission, University Grants Commission 2. To Start Post Graduate Department. 3. To start one year diploma in Wine Technology. 4. To Start Certificate courses in Dairy Technology, Biofertilizer and Biopesticide.