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 / C	ourses offere	ed	B. Sc.				
4. Program wis	se Examinati	on Syste	m (Annual /	Semester / CBO	CS)		
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 Ti	03 Full Time 02 C.H.B.				
07. Faculty pro	ofile:						
Name	Qualificatio n	Designati	on	Specialization	Experienc e inYears		
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 facureceived:	lty with ongoing	g projects fi	rom funding age	encies & grants			
			NIL				
09. Publications: -	09	Cor	nferences				
Name of Faculty		Nu	ımber of papers	Presented Seminar	rs /Conferences		
			ternational- 05	National- 01			

a) Mr. N.D. Deshmukh	s committees / Boards 1. Head
-,	2. BOS Subcommittee member
	3. Member of CDC
	4. Member of IQAC committee
	5. Secretary of Microbiologist Society India
	(Solapur Chapter)
	6. Member of Expert Panel
	7. Member of NIRF
	8. Member of Alumni/ Parent Association
	9. Secretary of Anti-ragging Committee
	10. Chairman of Career counselling Committee
	11. Member of Admission Committee
	12. Member of Staff academy
b) Ms. S.J. Jadhav	1. Chairman of Women Development Cell
	2. Treasurer of SUTA KNB College, Kurduwadi
	3. Member of Grievance Redressal Cell.
	4. Member of Student Development Cell
	5. Member of Film Club
	6. Member of Health Committee
	7. Member of Publicity Committee
	8. Member of Annual Magazine committee
e) Mr. D.B. Jadhav	1. Chairman of IT association
	2. Chairman of YouTube Channel Committee
	3. Member of Admission Committee
	4. Member of Swachh Bharat Abhiyan
	5. Member of Cultural Committee
11. Awards / Recognitions received by faculty	04
Mr. N.D. Deshmukh	First Prize at University Level In Avishkar held at
	Manvat, Organized by SRTM University, Nanded
Ms. S.J. Jadhav	Best Article Award for Literature (Sadhana)
Mr. D.B. Jadhav	1. First Prize at University Level in Avishkar held
	at Solapur, Organized by PAHS University, Solapur
	2. First Prize at University Level in Avishkar held
	at Kolhapur, Organized by Shivaji University, Kolhapur

12. Student profile program /course wise:

Course	Year	Total Students	Appeared	Pass Students	Pass %	Fail	Fail %
- a	2015-16	31	31	29	93.6	2	6.4
B.Sc.	2016-17	31	31	29	93.6	2	6.4
	2017-18	36	36	32	88.88	4	11.11
	2018-19	32	31	24	77.41	7	22.58
	2019-20	22	21	21	100	0	0

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)

 \triangleright

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.

- 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

- 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

- 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

- 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

- 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.