



Shri Shivaji Shikshan Prasarak Mandal, Barshi's

SHRI SHIVAJI MAHAVIDYALAYA,
BARSHI

Dept. of Microbiology



About Department

The Department of Microbiology, established in 1981, is an exemplary department that offers unparalleled educational and research opportunities in the field of microbiology. With a commitment to excellence and a rich history, the department has established a reputation for academic excellence and research achievements.

The Department of Microbiology at our institution has a strong track record of producing successful 40 undergraduates, 18 postgraduate batches and 09 Ph.D. awarded. We are committed to providing our students with a comprehensive education that combines theoretical knowledge with practical skills. Our department offers a wide range of features and initiatives to ensure a holistic learning experience for our students.

State-of-the-Art Laboratory:

Our department boasts a well-equipped laboratory, which provides students with access to cutting-edge technologies and equipment. Students can gain hands-on experience in conducting experiments and research in a modern and conducive environment.

Highly Qualified Faculty:

The Department of Microbiology prides itself on its faculty members who are highly qualified and experienced in their respective areas of specialization. They bring their expertise and passion for teaching and research, ensuring students receive a quality education that focuses on both theoretical knowledge and practical skills.

Department Library:

To support the academic pursuits of our students, we have established a department library that houses an extensive collection of books, journals, and research papers related to microbiology. Students can access these resources to expand their knowledge and enhance their research abilities.

Approved Ph. D. Research Lab:

We have an approved Ph.D. research laboratory for students who wish to pursue advanced research in microbiology. This lab provides students with the necessary facilities and guidance to carry out high-quality research projects under the supervision of experienced faculty members.

Academic Achievements:

Our department takes pride in the numerous research publications and patents produced by our faculty and students. Through our focus on research and innovation, we continuously contribute to the existing body of knowledge in the field of microbiology.

Seminars, Workshops, Conferences, and Guest Lectures:

We believe in nurturing a holistic learning environment, which is why we actively organize seminars, workshops, conferences, and guest lectures by renowned experts in the field. These events provide a platform for students and faculty members to exchange knowledge and stay updated with the latest advancements in microbiology.

Personal Counseling and Mentor Mentee Scheme:

We go beyond academics by offering personal counseling services to our students. Our faculty members are committed to providing guidance and support to students, helping them overcome any obstacles they may face during their academic journey. Additionally, we have a mentor-mentee scheme, which assigns experienced faculty members to mentor students, assisting them in their personal and professional growth.

Career Counseling and Excellent Alumni Network:

We are dedicated to helping our students succeed in their careers. Through our career counseling services, we guide students in making informed decisions about their future endeavors and provide them with the necessary resources to excel in the job market.

Our excellent alumni network is a testament to the quality of education and the opportunities provided by our department. Our alumni have gone on to work in prestigious positions across the globe, contributing to the field of microbiology in various capacities.

In conclusion, the Department of Microbiology is an ideal department for students passionate about microbiology. With state-of-the-art facilities, a highly qualified faculty, a nurturing learning environment, and a focus on excellence, our department provides students with a strong foundation for a successful career in microbiology.

Hands-on Training and Certificate Courses:

We believe in the importance of practical training alongside theoretical learning. Our department provides hands-on training to students, allowing them to apply their knowledge in

real-world situations. Additionally, we offer certificate courses that enhance the skill set of our students and increase their employability.

ICT-enabled Classroom Teaching:

To enhance the learning experience, we have embraced ICT-enabled teaching methods in our classrooms. Our faculty members utilize technology to deliver lectures, share multimedia content, and engage students in interactive learning activities.

Notes and Question Bank:

To support our students' preparation, we circulate comprehensive notes covering the curriculum. Additionally, we make a question bank available, which helps students practice and evaluate their understanding of the subject matter.

Innovative Teaching Pedagogy:

We employ various pedagogical approaches to make learning engaging and effective. Our faculty members employ problem-solving techniques, experiential learning methods, and participative teaching to promote student participation and critical thinking.

Exposure to Cross-Cutting Issues:

Our curriculum is designed to provide students with exposure to cross-cutting issues related to microbiology. This ensures that our graduates have a well-rounded understanding of the broader implications and applications of their field of study.

Program and Course Outcomes:

We have meticulously prepared program and course outcomes, which are communicated to and displayed for the students. This helps them understand the expected learning outcomes and align their efforts accordingly.

Differentiated Learning:

We recognize that every student is unique, with different strengths and weaknesses. To cater to the diverse learning needs of our students, we map slow and advanced learners and adapt our teaching methods accordingly. Pair teaching is implemented to provide personalized attention and support to students at different levels.

Project Work, Internships, and Field Work:

We provide opportunities for our students to engage in practical projects, internships, and fieldwork that allow them to gain practical experience and develop valuable skills. These experiences enable our students to apply their knowledge in real-world scenarios.

Continuous Internal Assessment and Feedback:

To ensure continuous learning and growth, we practice regular internal assessments and provide constructive feedback to our students. This helps them identify areas of improvement and take corrective measures.

Placement Assistance:

Through efforts by faculty helped students to grab potential placement opportunities: Research and Development in Pharmaceutical, Biotechnology companies, Research institutes and Universities and academic institutions. Employment opportunities in Hospitals and clinical laboratories, Public health organizations, Medical research centers, Food processing companies, Beverage companies, Dairy companies, Wineries and breweries, Environmental consulting firms, Government agencies, Conservation organizations, Waste management companies, Colleges and schools and Online education platforms. These are the positions hold by our alumni Microbiologist, Research scientist, Quality control specialist, Environmental scientist, Public health specialist, Clinical laboratory technician, Food safety inspector, Biotechnology researcher, Science teacher/educator, and Science writer/journalist.

Free Consultancy:

"Our department offers a comprehensive range of free consultancy services to farmers and researchers, including NAAC accreditation support, biostatistics analysis, water quality testing, antimicrobial activity assays, and scientific writing assistance. Additionally, we provide microbial cultures, laboratory testing facilities, and expert guidance on various aspects of microbiology, all at no cost. Our goal is to support the agricultural community, promote research and development, and foster a culture of scientific excellence."