



Pune District Education Association's **Annasaheb Magar Mahavidyalaya**

Hadapsar, Pune - 411028

Programme Outcomes

Name of the Programme : B. Sc. Microbiology

PO No.	Outcomes
P01	Disciplinary Knowledge: Comprehensive knowledge and coherent understanding of the Chemistry. Execute compensatory theoretical and practical understanding generated from the specific graduate programme in the area of work.
P02	Deliberative Thinking and Problem solving: Exhibit the skills of analysis, inference, interpretation and problem-solving by observing the situation closely and design the solutions. In-depth knowledge in Microbiology through understanding of key concepts, principles, theories and their manifestations.
P03	Social competence: Display the understanding, behavioural skills needed for successful social adaptation, work in groups, exhibit thoughts and ideas effectively in writing and orally.
P04	Research-related skills and Scientific temper : Able to apply skills to design and conduct independent experiments, interpret, establish hypothesis and inquisitiveness towards research. Critical and analytical thinking, scientific reasoning, creativity, problem-solving skills, communication skills and teamwork.
P05	Trans-disciplinary knowledge: Integrate different disciplines to uplift the domains of cognitive abilities and transcend beyond discipline-specific approaches to address a common problem. Knowledge and skills in Chemistry and related interdisciplinary areas thereby enhancing students' employability / entrepreneurship.
P06	Personal and professional competence: Performing dependently and also collaboratively as a part of a team to meet defined objectives and carry out work across interdisciplinary fields. Execute interpersonal relationships, self-motivation and adaptability skills and commit to professional ethics.
P07	Effective Citizenship and Ethics: Moral and ethical awareness, leadership qualities, innovation, and life-long learning.
P08	Environment and Sustainability: Understand the impact of the scientific solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development. Emaculate digital skills in Microbiology and interdisciplinary areas.
P09	Self-directed and Life-long learning: Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes. Multicultural and multilingual competence, inclusive spirit, and value education.



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Programme Outcomes

Name of the Programme : M. Sc. Microbiology

PO No.	Outcomes
PO1	Disciplinary Knowledge: Comprehensive knowledge and coherent understanding of the Chemistry. Execute compensatory theoretical and practical understanding generated from the specific graduate programme in the area of work.
PO2	Deliberative Thinking and Problem solving: Exhibit the skills of analysis, inference, interpretation and problem-solving by observing the situation closely and design the solutions.
PO3	Social competence: Display the understanding, behavioural skills needed for successful social adaptation, work in groups, exhibit thoughts and ideas effectively in writing and orally.
PO4	Research-related skills and Scientific temper : Develop the working knowledge and applications of instrumentation and laboratory techniques. Able to apply skills to design and conduct independent experiments, interpret, establish hypotheses inquisitiveness towards research.
PO5	Trans-disciplinary knowledge: Integrate different disciplines to uplift the domains of cognitive abilities and transcend beyond discipline-specific approaches to address a common problem.
PO6	Personal and professional competence: Performing dependently and also collaboratively as a part of a team to meet defined objectives and carry out work across interdisciplinary fields. Execute interpersonal relationships, self-motivation and adaptability skills and commit to professional ethics.
PO7	Effective Citizenship and Ethics: Demonstrate empathetic social concern and equity centered national development, and ability to act with an informed awareness of moral and ethical issues and commit to professional ethics and responsibility.
PO8	Environment and Sustainability: Understand the impact of the scientific solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.
PO9	Self-directed and Life-long learning: Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes.