

Progressive Education Society's
Modern College of Arts, Science and Commerce (Autonomous),
 Shivajinagar, Pune – 411005

Department of Biotechnology

Program Specific Outcomes (PSOs)

Program : B.Sc. Biotechnology

PSO No.	Program Outcome
PSO1	I. Academic Expertise: Biotechnology being multidisciplinary in content, Acquire a basic understanding of the various aspects of biotechnology such as the fundamental concepts, principles and processes. II. The relation between the various subfields/subjects III. Imbibe a basic understanding of a wide range of techniques (such as microscopy, sterilization , initiation / maintenance of animal and plant tissue cultures, isolation techniques in - cell, molecular biology microbiology and biochemistry, basics of specialized techniques such as chromatography, electrophoresis and immunology
PSO2	I. Inquisitive Learner : Promote Inquisitiveness and the thinking process towards integration of acquired skills and knowledge II. Enable the process of independent thinking in a broad context of social and technology changes III. Induce interest in pursuance of research later and
PSO3	Social Competence : I. Acquire knowledge and basic information to gain skill sets . II. Understand the importance of social responsibility and ethics required to engage in social welfare activities
PSO4	Effective Communication : I. Enable the process of sharing knowledge and execute effective communication when required in a logical manner
PSO5	Environmental awareness : I. Enable the process of sharing knowledge and execute effective communication when required in a logical manner
PSO6	Digital Competence : I. Adequate skill sets and knowledge for use in personal development II. Enable to work across interdisciplinary fields.
PSO7	I. Experiential Learning : Understanding application of methodologies and data processing skills

	<ul style="list-style-type: none"> II. understanding the ethical issues and importance of scientific conduct III. Inculcate logical thinking
PSO8	Ethical and Moral Values ; <ul style="list-style-type: none"> I. Exhibit social tolerance and empathetic social responsibility II. Capability to act with an awareness of moral and ethical issues
PSO9	Stress Management : <ul style="list-style-type: none"> I. Understand commitments required and importance of self -motivation II. Realise importance of positivity and patience in execution of a scientific problem/exercise III. Understand Importance of physical , mental and intellectual well being
PSO10	Extramural Skills : <ul style="list-style-type: none"> I. Sensitisation to importance of varied skills such as sports, music, art etc. II. Acquire skill sets in fields other than program content eg sports, fine arts etc