

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

Department of Statistics

Program Specific Outcomes (PSOs)

Program: M. Sc. Statistics

After successful completion of M. Sc. Statistics program, the student will be able to:

PSO No.	Program Specific Outcomes
PSO1	Knowledge or Academic Expertise: <ul style="list-style-type: none">i. do exploratory analysis of dataii. fit various probability modelsiii. apply finite and large sample inference techniques (estimation theory, testing of hypothesis) to real life data.iv. formulate real life problems in statistical language.v. apply statistical tools like time series analysis, clinical trial theory, regression theory, design of experiment, optimization techniques, actuarial statistics etc.
PSO2	Inquisitive learner or involved in lifelong learning: <ul style="list-style-type: none">i. acquire the ability to think independently about real life problems in which data are collected, analyzed and problem can be solved in an objective manner.
PSO3	Social Competence: <ul style="list-style-type: none">i. understand and solve problems of social interest through collection, analysis and interpretation of relevant data.
PSO4	Effective Communication: <ul style="list-style-type: none">i. acquire the ability for effective oral and written communication.
PSO5	Environmental Awareness: <ul style="list-style-type: none">i. understand environmental problems and give solutions in an objective way.
PSO6	Digital Competence: <ul style="list-style-type: none">i. use various software like R, MS Office, Minitab, Matlab for data analysis, write code in R, Pythan, SAS for a given problem.
PSO7	Experiential Learning: <ul style="list-style-type: none">i. do sample and census surveys and collect primary data, apply statistical techniques for analysis of data.
PSO8	Ethical Values:

	<ul style="list-style-type: none"> i. avoid misuse and manipulation of data ii. joint responsibility of problems and solutions.
PSO9	Individuality and team work or interdisciplinary studies: <ul style="list-style-type: none"> i. acquire domain knowledge for the problem ii. (ii) work in group to solve problems.
PSO10	Research and problem solving competence: <ul style="list-style-type: none"> i. acquire the ability to design a survey and conduct survey for research problems ii. analyze primary and secondary data using statistical techniques
PSO11	Stress Management: <ul style="list-style-type: none"> i. manage stress with the help of logical and analytical skills that are developed throughout the course.
PSO12	Extramural Skills: <ul style="list-style-type: none"> i. give presentations ii. communicate and convince in an objective manner.