

Shri Shivaji Mofat Education Societ's
**Shri Shivaji College of Arts, Commerce & Science,
Kandhar**

POs & PSO of B.A., B.Com., B.Sc. and M.A., M.Sc.

Programme Outcomes (POs) of Bachelor of Arts

1. Students will acquire knowledge of that can applied in social sciences, literature and humanities which make them sensitive in creating social consciousness and help them to grow abled and responsible citizens.
2. Students will gain theoretical knowledge of concepts such as personality grooming, values, communication, motivation and leadership.
3. Students can apply knowledge with human values framing the base to deal various problems in life with courage and humanity.
4. Students will acquire attitude, manners, good communication and linguistic skills which is the need of modern time.

Bachelor of Commerce – POs

<p><u>Programme Outcomes (POs) of Dept. of Commerce</u></p>
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Po1:- Increase the ability to take decision at personal and professional levels.

Po2:- develop entrepreneurship skill amongst students

Po3:- Understand practical issue and challenges that the trade world encounters.

Po4:- acquire the essential knowledge on the successful prospects of business.

Po5:- Synthesis the knowledge to face the challenges in global economic environment.

Po6:- develop communication skill and computer awareness

Po7:- students will prove themselves in different examinations like CA CMS CS etc.

Bachelor of Science – POs

Programme Outcomes (POs) of Bachelor of Science

Po1 – Basic Scientific knowledge

Students will acquire scientific knowledge of different branches of science such as Mathematical methods, Physical sciences, Chemical Sciences, life sciences and Agricultural science. This also leads to study interdisciplinary areas such as computer science and other allied subjects.

Po2 – Scientific temperament

To impart knowledge of computational research using statistical analysis and different mathematical methods and techniques to analyze the data from experiments. It encourages communicating scientific ideas, arguments, and practical experiences accurately in a variety of ways. This will help to develop scientific aptitude among the students.

Po3 – Technical competence and practical skills

Students should learn good laboratory practice and skills. Students will acquire technical knowledge, conceptual understanding and skills to solve problems for making informed decisions in scientific contexts. It enables the students to understand nature of science and interdependence of science technology.

Po4 – Creative thinking and Numerical ability

Students will be able for independent thinking and lifelong learning in scientific and technological advancement. This programme helps to develop critical thinking, creativity among the students. To encourage and enable students to develop inquiring minds and curiosity about science and nature.

Po4 – Environment and sustainability

It provides understanding of current environmental scenario and necessity of sustainability along with solutions. Students are made aware of environment related issues and sustainable technology development.

Po5 – Competency

The students will be able to pursue higher studies in basic sciences in different Universities, IIT's, IISER's, NIT's and other reputed institutes of higher learning in India and abroad to develop research career. Students should acquire high quality education to meet market requirements. The students will be able to learn necessary computational skill by using ICT for an effective learning in higher studies.

Bachelor of Arts – PSOs

Programme Specific Outcomes (PSOs) Dept. of English

1. Through responding to and composing a wide range of texts, the learners will begin to use the English language in the best possible manner.
2. Through the close study of texts, students will develop knowledge, understanding and skills in order to communicate effectively in English.
3. Learners will value and appreciate the importance of the English language as a key to learning.
4. Learners will gain the personal enrichment from study of literary pieces in English.
5. Learners will acquire ability to communicate through oral and written texts.

Programme Specific Outcomes (PSOs) Dept. of Marathi

1. Philological Understanding: Analyze the historical development of the Marathi language, tracing its origins and influences from other languages. (Focuses on language evolution)
2. Regional Dialectology: Identify and differentiate between various regional dialects of Marathi, understanding their unique linguistic features and cultural contexts. (Focuses on linguistic variation)
3. Medieval Marathi Literature: Demonstrate knowledge of major works and authors of medieval Marathi literature, understanding their socio-cultural significance. (Focuses on a specific historical period)
4. Modern Marathi Drama: Critically evaluate the evolution of modern Marathi drama, analyzing its themes, styles, and impact on contemporary society. (Focuses on a specific genre and its evolution)
5. Marathi Folklore and Oral Traditions: Collect, document, and analyze Marathi folklore, folk songs, and oral narratives, understanding their cultural significance and preservation. (Focuses on cultural heritage)
6. Translation and Interpretation: Develop skills in translating texts between Marathi and other languages, as well as interpreting oral communication in different social settings. (Focuses on practical application)
7. Digital Marathi: Utilize digital tools and platforms for creating, editing, and disseminating Marathi content, including online publications, blogs, and social media. (Focuses on contemporary media)

Programme Specific Outcomes (PSOs) Dept. of Hindi

- 1. History of Hindi Literature:**
Trace the historical development of Hindi literature from its early forms to modern trends, identifying key literary movements and their characteristics. (Focuses on literary history)
- 2. Hindi Poetics and Prosody:**
Analyze the structure and form of Hindi poetry, understanding different meters, rhyme schemes, and poetic devices. (Focuses on literary form and technique)
- 3. Comparative Literature (Hindi & Other Languages):**
Compare and contrast Hindi literature with other Indian or world literatures, identifying common themes, influences, and cultural exchanges. (Focuses on broader literary connections)
- 4. Mass Communication in Hindi:**
Analyze the use of Hindi in various forms of mass media, including journalism, film, television, and digital platforms, understanding its role in shaping public opinion. (Focuses on media and communication)
- 5. Hindi Cinema and its Literature:**
Explore the relationship between Hindi cinema and Hindi literature, analyzing how literary works have been adapted into films and their cultural impact. (Focuses on a specific media and its link to literature)
- 6. Creative Writing in Hindi (Different Genres):**
Develop skills in writing different genres of Hindi literature, such as short stories, novels, poetry, and plays, experimenting with various styles and techniques. (Focuses on creative production)
- 7. Hindi in Administration and Business:**
Understand the use of Hindi in official and business contexts, developing skills in writing formal letters, reports, and other professional documents. (Focuses on practical application in professional settings)

Programme Specific Outcomes (PSOs) Dept. of Economics

1. To provide students with strong foundation in economy fundamentals enabling them to formulate solve and analyses economic problems and prepare them from graduate studies
2. To prepare students for successful careers agriculture tourism farming and agro based industries.
3. To provide opportunity for student to engage in research project training and field work.
4. To develop entrepreneurship skill among students
5. To develop the ability to identify formal letter and solve problems related to global National and local socioeconomic development.

Programme Specific Outcomes (PSOs) Dept. of Political Science

- 1) To acquire domain interdisciplinary knowledge through the discipline of Political Science.
- 2) Study and analyze political contexts from critical and constructive prospective.
- 3) Have a better understanding of the working of various political institutions (including Decentralized institutions (LSG) state legislatures and parliament) and relate this Functioning to the greater cause of nation building as a responsible citizen.
- 4) Assess how (to) global, national and regional development affect polity and society.
- 5) To gain/achieve critical thinking and develop the ability to make logical/rational Inferences about socio-economic and political issues, on the basis of comparative and Contemporary Political discourses in India and Global.
- 6) Thinking about national and international issues involving States having various Political ideologies and historical contexts.
- 7) Pursue higher education such as Post Graduate Studies and Research in Political Science and in other interdisciplinary areas to provide qualitative insights to create a Better world.

Programme Specific Outcomes (PSOs) Dept. of History

1. To provide students with strong foundation in economy fundamentals enabling them to formulate solve and analyses economic problems and prepare them from graduate studies
2. Trace long term changes in the relationship of humans to their landscapes, to resources and to social groups.
3. To provide opportunity for student to engage in research project & field work.
4. Discuss the major currents of development in the cultural sphere, namely bhakti movement, Puranic Hinduism, Tantrism, architecture and art as well as the emergence of a number 'regional' languages.
5. To develop entrepreneurship skill among students.

Programme Specific Outcomes (PSOs) Dept. of Sociology

PSO	Program Specific Outcomes
PSO 1	Student will be able to demonstrate on understanding of how social call affects individual life. To understand society in context of the sociology theory; knowledge concepts
PSO 2	The main aim of human societies is to maintain control and order. The social structure which organized and orders: crests social solidarity and stability in society. Institution: specially are assigned this function of social order and control.
PSO 3	Basic concepts in sociology Tool to think with society: humanly created organization of inter relationships that connects individuals in common culture.
PSO 4	A definition of Contemporary Sociology: Indian Sociology is a term that describes practitioners who use sociological theories and methods outside of academic setting with the aim to produce positive social change through active intervention.
PSO 5	After studying this enable to acquire paper, student should be to structure of the Indian society and changing aspects. Student also known as the goal must be unity not uniformity.
PSO 6	Human rights provide legal framework that allows individuals to hold government to account and requires the state to create conditions necessary for the achievement for social justice.
PSO 7	Personality Development essentially aims to enhance and groom one's outer and inner self about a positive change in student's life.
PSO 8	The aim is to introduce the concepts, theories and case studies that seek to clarify social issues and social problems.
PSO 9	This programme promotes understanding of the common groups and shared goals. It considers the strategic value for movements. This provides spaces and opportunities for movement.
PSO 10	According to the Wikipedia "Time Management is the process of planning and exercising conscious control of time spend on specific activities, especially to increase effectiveness, efficiency and pro- ductility."

Programme Specific Outcomes (PSOs) Dept. of Public Administration	
PSO 1	Understand the public administration theories and concepts.
PSO 2	Understand the evolution of public administration as the discipline.
PSO 3	To provide knowledge of the new trends in public administration.
PSO 4	Understand the principles of administrative organization.
PSO 5	Create the awareness of citizens through the study of Indian constitution.
PSO 6	To provide basic knowledge of financial administration.
PSO 7	To develop awareness of the basic administrative system of students.

Programme Specific Outcomes (PSOs) Dept. of Physical Education

1. **Physical Fitness:** Achieve and maintain a high level of physical fitness and wellness.
2. **Sports Skills:** Demonstrate proficiency in various sports and physical activities.
3. **Knowledge of Exercise Science:** Understand the principles of exercise science, including anatomy, physiology, and biomechanics.
4. **Coaching and Instruction:** Develop skills in coaching and instructing others in physical activities.
5. **Health and Wellness:** Promote health and wellness through physical activity and lifestyle choices.
6. **Safety and Injury Prevention:** Understand and apply principles of safety and injury prevention in physical activity settings.
7. **Leadership and Teamwork:** Develop leadership and teamwork skills through participation in physical activities.

Bachelor of Commerce -PSOs

Programme Specific Outcomes (PSOs) of Commerce

1. Understand the legal guidelines relating to business activities.
2. To gain knowledge and expertise in GST and Income Tax assessment.
3. Apply management accounting concept in determining cost, revenue, pricing and budgetary technique.
4. students will enhance computer literacy and its applicability through Tally and E-commerce principle.
5. Student will understand marketing practices in service sector and governance practices.

Bachelor of Science -PSOs

Programme Specific Outcomes (PSOs) Dept. of Chemistry

The students graduating with degree having chemistry as a major or Minor should be able to acquire/have:

1. Core competency in subject chemistry and in allied subject areas.
2. Students are expected to have coherent understanding of fundamental principles, current trends as well as future opportunities in subject area.
3. Knowledge of basic principles in instrumental techniques used laboratory.
4. Capability to characterize, identify and separate components of unknown compounds using modern instrumental methods.
5. Competency in critical thinking after identifying assumption that frames our thinking and action, checking out their degree of accuracy, validity and finally our response from different Perspective.
6. Skill to apply role of chemistry in safe handling of chemicals, environmental issues and other societal concerns.
7. Awareness of different value systems including our own, understand moral dimensions of our decision and accept responsibility for them.
8. The ability to engage in lifelong learning in broadest context of socio-technological change
9. Ability to elicit views of others, mediate disagreements and come up with healthy conclusion in group discussion.

Programme Specific Outcomes (PSOs) Dept. of Botany

1. Skill development for the proper description using botanical terms, identification, naming and classification of life forms especially plants and microbes.
2. Acquisition of knowledge on structure, life cycle and life processes that exist among plant and microbial diversity through certain model organism studies.
3. Understanding of various interactions that exist among plants and microbes; to develop the curiosity on the dynamicity of nature.
4. Understanding of the major elements of variation that exist in the living world through comparative morphological and anatomical study.
5. Ability to explain the diversity and evolution based on the empirical evidences in morphology, anatomy, embryology, physiology, biochemistry, molecular biology and life history.
6. Skill development for the collection, preservation and recording of information after observation and analysis- from simple illustration to molecular database development.
7. Making aware of the scientific and technological advancements- Information and Communication, Biotechnology and Molecular Biology for further learning and research in all branches of Botany.
8. Internalization of the concept of conservation and evolution through the channel of spirit of inquiry.
9. To enable the graduates to prepare for national as well as international level competitive examinations like UGC-CSIR, UPSC etc.
10. To enable the students for practicing the best teaching pedagogy as a biology teacher including the latest digital modules.
11. The graduates should be knowledgeable and competent enough to appropriately deliver on aspects of global importance like climate change, SDGs, green technologies etc at the right opportunity.
12. The graduate should be able to demonstrate sufficient proficiency in the hands-on experimental techniques for their area of specialization within biology during research and in the professional career.
13. The program enables the students to face NET, SET, MPSC, UPSC and other competitive examinations successfully.

Programme Specific Outcomes (PSOs) DEPT of ZOOLOGY

1. To prepare students for their future careers and post graduate studies
2. To enabling students to pursue entrepreneurship in biological science
3. To providing students opportunity to work in fisheries, forestry, wild life conservation.
4. To providing students opportunity to work in agriculture research, health service and environmental management.
5. To developing self-employable ability and applying knowledge for agro –based industries like sericulture, goat farming and apiculture.
6. To broadly understand biodiversity, habitat, adaptation, anatomical organization and taxonomic status of non-chordates phyla in relation to other animal taxa.
7. This course gives a framework for understanding the diversity within different groups, and interrelationship among different species and genera within each group

Programme Specific Outcomes (PSOs) Dept. of Mathematics

PSO1 Disciplinary Knowledge:

B.A/ B.Sc. in Mathematics is the zenith of in-depth knowledge of Algebra, Analysis, Geometry, Calculus and several other branches of mathematics. This also leads to study interdisciplinary areas such as computer science and other allied subjects.

PSO2 Communication Skills:

Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. Skill and Knowledge attained during program will increase the ability to solve real world problems.

PSO3 Digital Proficiency:

The completion of this programme will enable the learner to use appropriate software's to solve mathematical problems

PSO4 Ability to work independently:

The Learner completing this program will grow the capacity to do work independently.

PSO5 Critical Thinking and Logical Reasoning:

Student will acquire ability of critical thinking and logical reasoning.

PSO6 Mathematical Principles:

students will understand mathematical principles and their applications.

PSO7 Confidence of Learning:

The B.Sc. Programme will develop learner's mathematical knowledge and oral, written, and practical skills in a way which will encourage confidence, satisfaction and learning enjoyment.

PSO8 Ability to peruse advanced studies and research:

Students will be motivated high for doing higher education and research in academically strong institution

PSO9 Skill/Vocational Courses:

Students will have to study skill/Vocational courses related to pure and applied Mathematics.

PSO10 Generic /Open Elective:

As an interdisciplinary approach student will study GE/OE course in Mathematics

<p style="text-align: center;">Programme Specific Outcomes (PSOs) Dept. of Physics</p>

1. **Understanding Core Concepts:** Mastery of classical mechanics, electromagnetism, thermodynamics, quantum mechanics, and relativity.
2. **Mathematical Proficiency:** Development of strong mathematical skills to solve complex physical problems using calculus, differential equations, and other mathematical methods.
3. **Laboratory Skills:** Acquiring hands-on experience in experimental techniques, data analysis, and scientific reasoning through laboratory work.
4. **Critical Thinking:** Developing the ability to critically analyze and solve problems, fostering a scientific mindset.
5. **Computational Skills:** Familiarity with computational tools and methods for solving physics problems, simulations, and data analysis.
6. **Interdisciplinary Understanding:** Appreciating the interdisciplinary nature of physics and its connections to other scientific disciplines.
7. **Research Skills:** Introduction to research methodologies, literature review, and independent study, preparing students for more advanced research projects.
8. **Preparation for Further Studies or Careers:** Equipping students for advanced studies in physics or related fields, as well as preparing them for careers in research, education, technology, engineering, or various industries

Programme Specific Outcomes (PSOs) Dept. of Electronics

PSO2 -To understand the various laws of network theorems for circuit analysis.

PSO3 -To learn about series and parallel resonant circuits.

PSO4 -To study amplifiers, Operational amplifiers Oscillators and Multivibrators.

PSO5 -To impart knowledge of digital electronics.

PSO6 -To study Microprocessor 8085 and Microcontroller 8051.

PSO7 -To learn Microwaves, radar system.

PSO8 -To Study Satellite communication, Mobile, Fiber optic communication.

PSO9 -To Study basic components and also Thermistor LDR

PSO10 -To Study working of microphone and speakers.

Master of Arts - POs

Programme Outcomes (POs) of Master of Arts

1. To provide students with critical understanding of Indian society, culture, economy, religion & polity through a historical perspective.
2. To stimulate intellectual curiosity and research attitude in the students through the study & research of local, regional, national history.
3. To acquaint students with the past, present of Indian ethos & reality through teaching & research in history.
4. To acquaint the students with the various Indian, foreign traditions of history writing & the debates generated about the nature of history as a discipline.
5. To highlight the potential of various field of history.
6. To prepare students for a range of careers by teaching them courses which will impart them with a set of transferable skills while studying history of India.

Master of Arts - PSOs

Programme Specific Outcomes M. A. History (PSO)

1. Understand background of the religions, customs, institutions & administration and so on.
2. Study of history helps to impart moral & environmental education.
3. To provide opportunity for student to engage in research project & field work.
4. Through completion of a combination of courses, students become familiar with the political processes & structures, society and culture, political Ideas, institutions, historical thought, historiography, economy & society in India.
5. To develop entrepreneurship skill among students.
6. Develop interests in the study of history and activities relating to history. Students can participate in archaeological excavations, visits places of historical interests, archeological sites, museums & archives, read historical maps, charts & write articles on historical topics.

Programme Specific Outcomes M. A. Sociology

1. This Course has aim to make this course helpful to the students to offer philosophical and sociological approaches of research methodology. This course has also relevance and significance in providing in-depth and fundamental knowledge to learners about the roots of social science research.
2. This Course has interdisciplinary importance in the context of understanding the Indian society. This course offers interdisciplinary approach which combines both sociological as well as political science approaches to understand the society, state, power, authority, politics of the Indian society.
3. This course Feminism in India Give's alternative thoughts of feminism of India to the students of sociology. This course has relevance to provide orientation about the origin, growth and development of feminist thoughts. This course comprises the contribution of feminist scholars about the gender related issues, problems and challenges. This course has importance to introduce the approaches which provides rational outlook to access the issues.
4. This course has attempted to introduce to contribution of some Indian sociologist to develop sociological traditions. This course has rational to orient to the students about the contemporary thoughts of Indian sociologists to understand the contemporary issues and problems of Indian society.

5. This Course is designed to orient to the student about the social activism. This course provides details information about the contemporary social movement, their ideologies, leaderships, organizations and participation of the masses.
6. This Course has rationale to provide theoretical inputs and introduce multiple perspectives to understand the nature of Indian society. This course is designed to orient different perspectives to know the Indian social reality.

Master of Science - POs

Program Outcomes (Pos) Master of Science

1. **Scientific Knowledge:** Acquire in-depth knowledge of animal taxonomy, evolution, cell biology, and the structure-function relationships of non-chordates and protochordates.
2. **Research Skills:** Develop the ability to engage in scientific inquiry, experimental design, and critical analysis of biological concepts related to animal diversity and evolution.
3. **Practical Application:** Apply biological knowledge to practical challenges, including biodiversity conservation, ecosystem management, and taxonomy-related employment.
4. **Lifelong Learning:** Cultivate an enthusiasm for continuous learning in biological sciences through research, reading, and professional development.
5. **Global Perspective:** Understand the significance of biodiversity and conservation at local, national, and global levels, fostering a sense of responsibility toward environmental stewardship.
6. **Communication:** Develop the ability to effectively communicate complex biological concepts and findings in both academic and non-academic settings.

Master of Science - PSOs

Programme Specific Outcomes M. Sc. Botany

PSO1: Demonstrate a comprehensive understanding of the diversity, structure, and functions of life forms, with a focus on plant biology and its relevance to other scientific domains.

PSO2: Gain the ability to assess, utilize, and promote sustainable use of natural resources, with a strong emphasis on conservation and environmental management.

PSO3: Attain proficiency in recent advancements in botany, equipping students with the skills and knowledge necessary to excel in competitive exams such as NET, SET, MPSC, and UPSC.

PSO4: Acquire the necessary skills and expertise to contribute effectively to educational institutions, industries, research organizations, and other professional fields, enhancing human resource capabilities.

PSO5: Develop entrepreneurial and technical skills to foster self-employment opportunities and establish independent ventures in the field of botany and related disciplines.

PSO6: Apply the acquired theoretical and practical knowledge in real-life situations to address challenges, contributing towards making the country self-reliant and self-sufficient in agriculture, ecology, and biotechnology.

Programme Specific Outcomes (PSOs) M.Sc. Zoology

1. Animal Diversity: Analyse and classify animal diversity scientifically and understand evolutionary relationships among taxa.
2. Taxonomy Expertise: Demonstrate proficiency in animal taxonomy, including identifying and describing species with accuracy.
3. Conservation Biology: Apply biological knowledge to biodiversity conservation efforts and sustainable utilization of faunal resources.
4. Cellular Mechanisms: Understand the structure, function, and dynamics of cells, including the cell cycle, organelles, and molecular processes.
5. Evolutionary Insights: Explain evolutionary processes and adaptations that have shaped the animal kingdom over time.
6. Practical Techniques: Use modern tools and methodologies to conduct research in zoology, including taxonomy-related research and conservation practices.