# Program outcomes

**Program outcomes of Bachelor of Arts**

PO1. Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in humanities, social sciences and languages.

PO2. Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contents that produced them. Communicate effectively and in the case of those students undertaking a language major, need, write, listen to and speak another Language with fluency and appreciate its cultural context.

PO3. Reading, Writing skills and Process:- Students will become accomplished, active readers to appreciate ambiguity and complexity and who can articulate their own interpretations with an awareness and curiosity for other perspectives. Students will be able to write effectively for a variety of professional and social setting. They will develop an awareness and confidence in their own voice as a writer and analyse complex social and natural problems with the help of their degree specialisation.

PO4. Sense of Genre:- Student will develop an appreciation of how the formal elements of Language and genre shape meaning and they will develop a facility at writing in appropriate genres for research and other variety of purposes.

PO5. Critical Approaches:- Students will develop the ability to read works of literary, rhetorical, research, cultural criticism and develop idea with the help of their specialisation. They will express their own ideas as informed opinions, small projects, practical, and research papers and understand how their own approach compares to variety of critical and theoretical approaches.

PO6. Oral communication skills:- Student will demonstrate the skill needed to participate in conversation that builds knowledge collaboratively. Listening carefully and respectfully to other viewpoints. Articulating their own ideas and questions clearly and situating their own ideas in relation to other voices and ideas. Student will be able to prepare, organise and deliver and engaging oral presentation.

PO7. Ethics:- Apply ethical principles and commit to professional ethics and responsibilities.

**Program outcomes of Bachelor of Science**

PO1. Articulate the methods of and science and explain why current scientific knowledge is both contestable testable by future inquiry.

PO2. Apply appropriate methods of research, investigation and design, to solve problem in science, mathematics, technology including the planning and conduct of a significant project problem or investigation.

PO3. Articulate the relationship between different science communities of practice, the international scope of science, mathematics, technology and engineering knowledge and methods and the contributions to their development that have been made by people with Diverse perspectives, culture and backgrounds.

PO4. Students will develop the ability to read works of literary, rhetorical, research, cultural criticism and develop idea with the help of their specialisation. They will express their own

ideas as informed opinions, small projects, practical, and research papers and understand how their own approach compares to variety of critical and theoretical approaches.

**Program outcomes of Bachelor of Computer Application**
PO1. To prepare the students for a career in Software Industry.
PO2. To develop problem solving abilities using computer.
PO4. To build the necessary skill set and analytical abilities for developing computer based solutions for real life problems.
PO5. To imbibe quality software development practices and web designing.
PO6. Student can work effectively both individually and as a member of team.

**Program specific outcomes**

**Program Specific Outcomes for Gujarati**
PSO1. Understand basic concepts of Gujarati
PSO2. To know in depth Knowledge of Literature
PSO3. To know the great writers
PSO4. To promote cultural values in them through Gujarati language
**Program Specific Outcomes for Hindi**
PSO1. Understand basic concepts of Hindi
PSO2. To know in depth Knowledge of Literature of Hindi
PSO3. To know the great writers
PSO4. To promote cultural values in them through Hindi language
PSO5. Understand the value of nation and society.

**Program Specific Outcomes for English**
PSO 1.Teaching of the basic concepts of English language and literature.
PSO 2.Learning of Characteristics of literature in English, diverse literary historical periods and cultures.
PSO 3.Application of literary critical perspectives to generate original analysis of literature in English.
PSO 4. Promotion of cultural values through English language

**Program Specific Outcomes for Political science**
PSO1. Understand social stratification of castes and jatis, from language, religion, ethic and economic determinants and critically assesses its impact on the political processes
PSO2. To understand the core doctrines of each of the ideologies and to make sense of politics
through different ideological perspectives.
PSO3. Understand legacy of the thinkers is explained with the view to establish the continuity
and change within the Western political tradition.

**Program Specific Outcomes for Economics**

PSO1. Understand the difference between Micro Economics & Macro Economics
PSO2. Understand techniques & diagrams related to employment theory
PSO3. Understand the concept of Foreign Exchange, International Banking & Euro Currency Market.
PSO4. To study the international policies.

**Program Specific Outcomes for Psychology**

**PSO1**. It makes a person fully aware that no two individuals are exactly alike.

**PSO2.** It helps one gain deep insights in to the significance of many aspects of human desires.

**PSO3.** It helps a person develop himself into a well-integrated and happy individual.

**PSO4**. Theories and findings in psychology may help us to solve important problems.

**PSO5**. Learning about oneself, the field of psychology allows us to learn about others.

**PSO6.** Learning can be viewed as one purpose of life, and self- knowledge can be viewed as an important element of learning.

**PSO7.** Developmental psychology helps us to better understand how people change and grow and then apply this knowledge to helping us reach our full potential.


**Program Specific Outcomes for philosophy**

PSO1.Students will be able to explain philosophical texts and positions accurately, to identify and apply philosophical research methods consistently, to articulate and defend precise philosophical positions, and to anticipate and rebut objections to those positions.

PSO2. Students will be able to apply their philosophical learning to important public issues and to articulate why philosophical understanding is valuable in such debates.

PSO3. Students will develop their own philosophical areas of interest and investigate them from various perspectives.

PSO4. Students will attain the research skills necessary for writing a research paper that engages with primary and, where applicable, secondary literature on a topic in philosophy.

PSO5. Students will learn to recognize and articulate fundamental questions about what exists, what we can know and how we should live our lives. Students will understand influential attempts to answer such questions, along with evaluating their advantages and disadvantages.

PSO6. Students will acquire competence in translation, interpretation, and proof in sentential and predicate logic and will understand how these processes aid in the evaluation of arguments.
PSO7. Students will be able to describe the ways in which the formal techniques of logic are important to philosophical research.

**Program Specific Outcomes for Sanskrit**

PSO1. Students graduating in this course can understand the linguistic features and literary aspects of Sanskrit language.

PSO2.Students will understand the moral and social values in ancient Sanskrit literature.

PSO3. Students can develop their interest in sanskrit and thus work to rejuvenate the language.

PSO4.Students will understand the grammar rules of Sanskrit language. They will be able to .read and understand texts written in Sanskrit language. Students will develop interest in sanskritlangauge and literature.

PSO5.Students will be benefitted by the philosophic views hidden in sanskrit poetic writing.

## Program Specific Outcomes for History

PSO1.Students will be able to demonstrate a breadth of training across historical time and space.

PSO2. Students will be able to develop an in-depth understanding of a field, theme or region.

PSO3.Students will be able to demonstrate an historical awareness of the diversity of the human experience across time and space (research papers).

PSO4. Students will be able to apply, assess and debate the major historical schools of thought, methodology and types of sources that historians use to make original arguments (research papers).

PSO5. Students will be able to formulate historical arguments and communicate those arguments in clear and persuasive prose.

## Program Specific Outcomes for Physics
PSO1.To understands the basic concept of mechanics, electrodynamics, quantum mechanics.
PSO2. To understand the concepts of energy, work, power, the concepts of conservation of energy, elasticity, surface tension and viscosity.
PSO3. To understand optical phenomena such as polarization, birefringence, interference and diffraction in terms of the wave model and to analyze simple examples of interference and diffraction phenomena.
## Program Specific Outcomes for Chemistry
PSO1. Physical chemistry: Review of conventional processes, recent advance techniques. Surface properties, ionic properties and other special characteristics of substances,
PSO2. Inorganic chemistry: Introduction to molecular symmetry, co-ordination of compounds and Bio-inorganic chemistry.
PSO3. Organic chemistry: Introduction to fundamental concepts and principles of process synthesis. Proficiency in Synthetic skill, Characterization by various analytical techniques, Micro- techniques and in-depth knowledge in subject is evaluated by allotting synthetic scheme.

## Program Specific Outcomes for Mathematics

PSO1. Create a hypothesis and appreciate how it relates to broader theories.

PSO2. Evaluate hypothesis, theories, methods and evidence within their proper contexts.

PSO3. Solve complex problems by critical understanding, analysis and synthesis.

PSO4. Demonstrate engagement with current research and developments in the subject.

PSO5. Critically interpret data, write reports and apply the basics of ruled of evidence.

PSO6. Select, interpret and critically evaluate information from a range of sources that include books, scientific reports, journals, case studies and the internet.

PSO7. Develop proficiency in the analysis of Complex Mathematical Problems and the use of Mathematical or other appropriate techniques to solve them.

PSO8. Demonstrate skills in the use of Computers for control, data acquisition, and data analysis in PSO1 experimental investigations

PSO9. Provide a systematic understanding of core Mathematical concepts, principles and theories along with their applications

PSO10. Function on multidisciplinary teams by working cooperatively, creatively, and responsibly as a member of a team.

PSO11. Communicate effectively by oral, written, computing and graphical means.


**Program Specific Outcomes for Zoology**
PSO1. To study the range from diversity to Molecular Biology
PSO2. To serve as a valuable foundation for understanding human anatomy, physiology, genetics, molecular biology and entomology.
PSO3. To study application of Zoology for benefit of mankind.
**Program Specific Outcomes for Botany**
PSO1. To understand the physiological process in plants
PSO2. To Study biotechnological process, use of various plants resources at commercial level.
PSO3. To study the variation of plants life at all levels of biological organization.


**Program Specific Outcomes for BCA**

PSO1. To produce employable IT workforce, that will have sound knowledge of IT andbusiness fundamentals that can be applied to develop and customize solutions for Small and Medium Enterprises (SME).

PSO2. To develop skilled manpower in the various areas of information technology like:Data base management, Software Development, Computer-Languages, Softwareengineering, Web based applications etc.

**Program Specific Outcomes for MA English**

**PSO**1.In the rhetoric and writing concentration, the student's knowledge of the history, theory, and practice of the medium will be sufficient to allow that student to explain, evaluate, and practice divergent pedagogical methods (as would be expected, for instance, of a writing teacher); to describe rhetoric contextually and comparatively (as would be expected, for instance, of a rhetorical ethnographer); and/or to historicize and theorize emerging forms of composition and expression (as would be expected, for instance, of a professional in the ever-expanding world of digital communication).

**PSO2.Demonstrate mastery** of the discipline by characterizing, instantiating, and critiquing the dominant critical theories, methodologies, and practices in the field. Mastery will be achieved and represented by the successful completion of ENG 514, Introduction to Graduate Studies, and, thereafter, by the inclusion of substantial critiques of the relevant scholarly literature in end-of-term essays and in the thesis.

**PSO3. Conduct research** that leads to a substantial original thesis, written over the course of the second year, in a subfield of the student's choice. The thesis will be directed by a major professor in the subfield and additionally advised by two minor professors in related subfields.

**PSO4. Conduct research** that engages and responds to diverse audiences of scholars, students, and community members. This will be demonstrated through the thesis defense; through presentations at professional conferences; through internships and independent studies; through the use of research on pedagogical approaches to writing/literature/film in university teaching assignments; and/or through intellectual events within the School (including the annual graduate student conference, seminar presentations, and scholarly talks).

**PSO5. Perform all activities in an ethical manner**. This will be demonstrated at the disciplinary level by the student's ability, in coursework and in written essays, to recognize and to appropriately document the prior scholarly conversation informing any given line of research or argument; by the student's engagement, in coursework, with historically under-represented perspectives and a diverse canon of primary and secondary works in literature/writing/film; and by the use of unbiased language in written and oral scholarly conversation.

**PSO**12. Recognize the need to encourage in lifelong learning through continuing education and research.