कुरुक्षेत्र विश्वविद्यालय कुरुक्षेत्र

KURUKSHETRA UNIVERSITY KURUKSHETRA

(Established by the State Legislature Act XII of 1956)

('A^{+}' Grade, NAAC Accredited)

Learning Outcomes of Different Programmes

M.Sc. (Bio-Chemistry)

Program Outcomes (POs)

PO1: To acquaint students with recent knowledge and techniques in recent basic and applied biological sciences.

PO2: To develop understanding of or ganismal, cellular, biochemical and environmental basis of life.

PO3: To develop insight into ethical implication of biological research for environmental protection and good laboratory practices and biosafety.

PO4: To develop problem solving innovative thinking and robust communication and writing skills in youth with reference to biological, environmental and nutritional sciences.

PO5: To understand application of biotic materials in health, medicine, food security for human well-being and sustainable development.

PO6: To impart practical and project based vocational training for preparing youth for a career in research and entrepreneurship in the field of life sciences for self-reliance.

Program Specific Outcomes (PSOs)

PSO1: An ability to acquire in-depth theoretical and practical knowledge of Biochemistry in the broad range of fields including Structure and Function of Biomolecules, Cell Biology, Intermediary Metabolism, Enzymology, Plant Biochemistry, Immunology, Molecular Biology, Clinical Biochemistry, Nutritional Biochemistry, Biotechniques, Genetic Engineering, Biostatistics and Bioinformatics, Microbiology, Genetics and Evolution.

PSO2: Diligently learn and link the applicability of the theoretical and practical knowledge imparted in routine life to the understanding of cellular, molecular, biochemical and metabolic basis of life and understand the role of scientific developments in relation to professional and every day use.

PSO3: Acquire necessary knowledge and skills to appear for competitive exams for higher studies and to undertake a career in research, either in industry or in an academic set up.

PSO4: An ability to work independently, demonstrate scientific writing, possess effective presentation skills to explain various concepts of Biochemistry, ability to formulate research hypothesis and contribute to team work and participate constructively in classroom discussions.

M.Sc. Bio-Technology

Program Outcomes (POs)

PO1	To acquaint students with recent knowledge and techniques in basic and applied biological sciences.
PO2	To develop understanding of organismal, cellular, biochemical and environmental basis of life.
PO3	To provide insight in to ethical implications of biological research for environmental protection and good laboratory practices and biosafety.
PO4	To develop problem solving innovative thinking with robust communication and writing skills in youth with reference to biological, environmental and nutritional sciences.
PO5	To understand application of biotic material in health, medicine, food security for human well-being and sustainable development.
PO6	To impart practical and project based vocational training for preparing youth for a career in research and entrepreneurship in fields of life sciences for self-reliance.

Program Specific Outcomes (PSOs)

PSO#	Program Specific Outcomes (PSOs)
PSO1	To acquaint students with Theoretical and Practical knowledge in different areas of Biotechnology. Students will be able to understand various Biological aspects and will develop into Biotech savvy integrated personalities with Scientific thinking.
PSO2	Students will be able to analyse, solve various problems related to Biotech fields. They would be able to launch start-ups and become entrepreneurs for novel Biotechnology products and processes in various industries.
PSO3	Students will be able to understand Biosafety measures, Ethical issues and regulatory compliances of Biotechnology.
PSO4	Students will be able to communicate effectively, work independently, imbibe the value of team spirit, able to write, execute and manage their Research Project.

M.sc. Botany

Program Outcomes (POs)

1. To acquaint students with recent knowledge and techniques in basic and applied biological sciences.
2. To develop understanding of organismal, cellular, biochemical and environmental basis of life
3. To provide insight into ethical implications of biological research for environmental protection and good laboratory practices and biosafety.
4. To develop problem solving innovative thinking with robust communication and writing skills in youth with reference to biological, environmental and nutritional sciences.
5. To understand the applications of biotic material in health, medicine and food security for human well being and sustainable development.
6. To impart practical and project based vocational training for preparing youth for a career in research and entrepreneurship in fields of life sciences for self reliance.

Program Specific Outcomes (PSOs):

1. Biodiversity of lower and higher plants along with their taxonomic status. The students will have in-depth knowledge about physiology and metabolism of plants.
2. Students will be able to gain in-depth knowledge regarding ethnobotany, conservation status and strategies of economically important plants.
3. This program aims to critically engage students with concepts of ecological principles, biodiversity, population, community, ecosystem structure and function, importance of environment and the problems related with it at local and global level.
4. The students will have strong base knowledge of physiological, cellular and molecular aspects of plants biology. It will help them venture into advanced research areas.
5. This program will help students to be aware of good laboratory practices in microbial technology and plant biotechnology.

M.sc. Food, Nutrition & Dietetics

Program Outcomes (POs)

- PO1. To acquaint students with recent knowledge and techniques in basic and applied biological sciences.
- PO2. To develop understanding of organismal, cellular, biochemical and environmental basis of life.
- PO3. To provide insight into ethical implications of biological research for environmental protection and good laboratory practices and bio safety.
- PO4. To develop problem solving innovative thinking with robust communication and writing skills in youth with reference to biological, environmental and nutritional sciences.
- PO5. To understand application of biotic material in health, medicine, food security for human wellbeing and sustainable development.
- PO6. To impart practical and project based vocational training for preparing youth for a career in research and entrepreneurship in fields of life sciences for self-reliance.

Programme Specific Objectives

- To make the students comprehend the theories of nutritional biochemistry, food science, clinical dietetics and public health nutrition.
- To assist the learners in acquiring the methods of assessment of human nutrition requirements and diet planning.
- To relate the application of concepts of the above-mentioned areas to laboratory settings.
- To comprehend the implementation of clinical nutrition, to communicate the health promotion, food science and food service management.
- To advance knowledge and improve abilities for monitoring, planning and management of public health nutrition programmes executed by the government.
- To gain expertise to carry out methodical investigation in the areas of public health nutrition, food science and clinical nutrition.

Programme Specific Outcomes(PSOs)

The programme equips students to grow into experts who can work as nutritionists, dieticians and researchers. After completing this programme the learner will be able to:

- PSO1. Evaluate nutrition status and design suitable diets.
- PSO2. Use the information about nutrition in clinical conditions and health promotion communications.
- PSO3. Work in the arena of public health nutrition as program organizers and supervisors.
- PSO4. Work as nutrition experts and quality assurance specialists.
- PSO5. Run a food service institution.
- PSO6. Apply theoretic knowledge and practical exercises for investigation in the arena of public health nutrition, food science and clinical nutrition.

M.sc. Human Development

Program Outcomes (POs)

- To acquaint students with recent knowledge and techniques in basic and applied biological sciences.
- To develop understanding of organismal, cellular, biochemical and environmental basis of life
- To provide insight into ethical implications of biological research for environmental protection and good laboratory practices and bio safety.
- To develop problem solving innovative thinking with robust communication and writing skills in youth with reference to biological, environmental and nutritional sciences.
- To understand application of biotic material in health, medicine, food security for human wellbeing and sustainable development.
- To impart practical and project based vocational training for preparing youth for a career in research and entrepreneurship in fields of life sciences for self-reliance.

Programme Specific Objectives:

- To enable students to describe the typical development of individuals from conception to late adulthood, as well as divergent development route that my occur in response to a range of bio-psychological issues.
- To develop effective skills in counselling and provide intervention by learning to deals deal with personal and family issues through scientific measures like psychological tests, case study approach, research methodologies and practical sessions on family counselling and family therapy.
- To analyze and evaluate major theoretical frameworks that explains individual development through infancy to aging in the social context of family, community, culture and larger environment.
- To enable the understanding and develop skills to establish Entrepreneurial setups and Human Resource Development centres.
- To understand the rights and developmental needs of special children.

Program Specific Outcomes (PSOs)

- The programme equips the students to grow into experts who can work as counsellors, PO's, CDPO's, ECCE workers, researchers etc. After completing this programme the learner will be able to:
- PSO1: Students will come to know about the various domains of development from conception to death of Life Span development.
- PSO2: Students will gain insight about the various methods and techniques available for the study and assessment of behaviour and personality in Human Development.
- PSO3: Students will become competent in the fields of ECCE training, elementary education and different Play Way techniques for imparting knowledge to children.
- PSO4: Students will come to know about various Human Rights, child rights, gender equality, various cultural, political, civic, international rights and discriminations.
- PSO5: Students will acquire knowledge about specific groups, their needs, problems, rights and various counselling and therapeutic procedures needed for handling them.
- PSO6: Students will become sensitized about women empowerment, gender biasness, domestic and workplace harassment, discrimination against women in different areas of life. Their legal status and acts.

M.sc. Micro-biology

Program Outcomes (POs)

- PO1. To acquaint students with recent knowledge and techniques in basic and applied biological sciences.
- PO2. To develop understanding of organismal, cellular, biochemical and environmental basis of life.
- PO3. To provide insight into ethical implications of biological research for environmental protection and good laboratory practices and biosafety.
- PO4. To develop problem solving innovative thinking with robust communication and writing skills in youth with reference to biological, environmental and nutritional sciences.
- PO5. To understand applications of biotic material in health, medicine, food security for human well being and sustainable development.
- PO6. To impart practical and project based vocational training for preparing youth for a career in research and entrepreneurship in fields of life sciences for self reliance.

PROGRAM SPECIFIC OUTCOMES (PSOs)

- **PSO1**- Analyse the fundamental concepts and biodiversity of microorganisms (bacteria fungi, actinomycetes, viruses, algae), enabling critical thinking in different fields of Microbiology. Understand prokaryotic and eukaryotic genetic systems & physiology, metabolism and biochemistry of microorganisms. Acquire basic Microbiology laboratory skills, techniques and expertise in the use of instruments applicable to research, clinical methods and analysis of the observations.
- **PSO2**- Demonstrate the importance of immunity, pathogenesis, cultivation, diagnosis and control of pathogens through therapeutics and prophylaxis in various health and pharmaceutical domains.
- **PSO3**- Evaluate and Identify the needs, potentials and impact of microorganisms relevant to food, soil and agriculture, ensuring environmental conservation and food safety.
- **PSO4**- Design appropriate strategies in bio-processing and fermentation technology, with emphasis to gain familiarity with applications of microbes for industrial production of biomass and synthesis of valuable products through fermentation.
- **PSO5**- Understanding ofbasics of recombinant DNA technology (RDT) and explore the application of genetic engineering to create GMO, transgenic plants, animals, gene therapy, etc. Apply the concepts of Genomics and Proteomics through analytical, molecular techniques for the betterment of society.
- **PSO6**- Examine the significance of research using statistical tools and communicate the findings in research forums. Ensure bio-safety and bioethics for social responsibility, environmental sensitization and obtain Intellectual Property Rights (IPR) for various research findings. Apply computing, communicative and entrepreneurial skills for employability and lifelong learning.

M.sc. Zoology

Program Outcomes (POs)

PO1	To acquaint students with recent knowledge and techniques in basic and applied biological sciences.
PO2	To develop understanding of organismal, cellular, biochemical and environmental basis of life
PO3	To provide insight into ethical implications of biological research for environmental protection and good laboratory practices and biosafety
PO4	To develop problem solving innovative thinking with robust communication and writing skills in youth with reference to biological,environmental and nutritional sciences.
PO5	To understand application of biotic material in health, medicine, food security for human well being and sustainable development.
PO6	To impart practical and project based vocational training for preparing youth for a career in research and entrepreneurship in fields of life sciences for self reliance.

Program Specific Outcomes (PSOs)

PSO1	Students will have knowledge and skills and in-depth acquaintance of animal species, their life biology, evolution, interaction with the environment at organismal, cellular and molecular level
PSO2	Young students will understand the challenges of society and the country that falls into the realms of Zoology, such as Aquaculture, Reproductive health, Animal Behaviour, Cancer Biology, Microbiome and their roles in health and diseases, Bioremediation of pollutants and pesticides, etc.
PSO3	Youth will be trained to Identify, review, and analyse complex situations of living forms and commitment to professional ethics and responsibilities and norms of the work/research practice
PSO4	Youth will be capable of using research-based knowledge and research methodswith problem solving expertise and robust communication skill with reference to animal life processes
PSO5	This programme will develop personnel who can function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings with deep understanding of Zoology and management principles
PSO6	This PG programme will develop youth with excellence in Zoology for career in teaching, research, industry and entrepreneurship in the line of self reliant India.

M.sc. Forensic Science

Program Outcomes (POs)

1. To acquaint students with recent knowledge and techniques in basic and applied biological sciences.
2. To develop understanding of organismal, cellular, biochemical and environmental basis of life
3. To provide insight into ethical implications of biological research for environmental protection and good laboratory practices and biosafety.
4. To develop problem solving innovative thinking with robust communication and writing skills in youth with reference to biological,environmental and nutritional sciences.
5. To understand application of biotic material in health, medicine, food security for human well being and sustainable development.
6. To impart practical and project based vocational training for preparing youth for a career in research and entrepreneurship in fields of life sciences for self reliance.

Program Specific Outcomes (PSOs)

PSO1	Students will gain knowledge to comprehend with the basics of Forensic Science including resolving the criminal and civil cases by applying fundamental principles of Forensic Science
PSO2	Students will be empowered with skills to identify, examine and evaluate the problems related to Forensic to solve the crime cases.
PSO3	Students will develop subject specific expertise by analytical and experimental work.
PSO4	Students will be capable of using research-based knowledge and research methods with problem solving expertise and robust communication and Scientific inquiry skill with reference to Forensic Science
PSO5	Forensic specialist youth will come out with a thorough knowledge of Ethics and law with all recent developments and emerging trends in Forensic Science.
PSO6	Students will be trained with excellence in Forensic Science for career in teaching, research, industry and independent Forensic Science cases solving capacity personnel.

M.sc. Environmental Science

Program Outcomes (POs)

PO1 To acquaint students with recent knowledge and techniques in basic and applied biological sciences.

PO2 To develop understanding of organismal, cellular, biochemical and environmental basis of life.

PO3 To provide insight in to ethical implications of biological research for environmental protection and good laboratory practices and biosafety.

PO4 To develop problem solving innovative thinking with robust communication and writing skills in youth with reference to biological, environmental and nutritional sciences.

PO5 To understand application of biotic material in health, medicine, food security for human well being and sustainable development.

PO6 To impart practical and project based vocational training for preparing youth for a career in research and entrepreneurship in fields of life sciences for self reliance

Program Specific Outcomes (PSOs)

PSO1 To contribute to Environmental Sustainability and wise use of Natural Resources for benefit of society through education and research on environment with a multidisciplinary and professional approach

PSO2 To provide knowledge on Ecology, Biodiversity Conservation, Remediation and Restoration

PSO3 To create awareness on Pollution, Climate Change, Ecotoxicology and their linkages to human health

PSO4 To educate students on Environmental Impact Assessment, Monitoring and Policy frameworks

PSO5 To give knowledge on concepts, tools and modern techniques for Environmental Analysis and Management

PSO6 To educate students on Natural Resource Management and Economics for Sustainable Development.

M.Tech. Energy & Environmental Management

Program Outcomes (POs)

PO1 To acquaint students with recent knowledge and techniques in basic and applied biological sciences.

PO2 To develop understanding of organismal, cellular, biochemical and environmental basis of life.

PO3 To provide insight in to ethical implications of biological research for environmental protection and good laboratory practices and biosafety.

PO4 To develop problem solving innovative thinking with robust communication and writing skills in youth with reference to biological, environmental and nutritional sciences.

PO5 To understand application of biotic material in health, medicine, food security for human well being and sustainable development.

PO6 To impart practical and project based vocational training for preparing youth for a career in research and entrepreneurship in fields of life sciences for self reliance.

Program Specific Outcomes (PSOs)

PSO1 To develop professional skills in students on conservation of energy, new energy resources and environmental management with the use of sustainable techniques.

PSO2 To provide knowledge on renewable and alternate energy resources.

PSO3 To provide knowledge on energy and environment system analysis.

PSO4 To create awareness on sustainable technologies in changing climatic scenarios.

PSO5 To educate students on tools, and modern techniques of energy efficiency and conservation.

PSO6 To provide job-oriented skills with training, seminar and projects.

M.sc. Chemistry

Program Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study.
PO2	Research Aptitude	Capability to ask relevant/ appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis.
PO3	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large.
PO4	Problem Solving	Capability of applying knowledge to solve scientific and other problems.
PO5	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, multidisciplinary settings.
PO6	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions.
PO7	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices.
PO8	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices.
PO9	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life.
PO10	Ethics	Capability to identify and apply ethical issues related to one's work, avoid unethical behaviour such as fabrication of data, committing plagiarism and unbiased truthful actions in all aspects of work.
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects.

Programme Educational Objectives (PEOs):

PEO1: To have fundamental as well as advanced knowledge of the chemistry domain.

PEO2: To provide the professional services to industries, Research organization, in the domain of super specialization.

PEO3: To opt for higher education, disciplinary & multi-disciplinary research and to be a life-long learner.

Program Specific Outcomes (PSOs)

PSO1: The detailed functional knowledge of theoretical concepts and experimental aspects of chemistry.

PSO2: To integrate the gained knowledge with various contemporary and evolving areas in chemical sciences like analytical, synthetic, pharmaceutical etc.

PSO3: To understand, analyze, plan and implement qualitative as well as quantitative analytical synthetic and phenomenon-based problems in chemical sciences.

PSO4: Provide opportunities to excel in academics, research or Industry.

M.sc. Computer Science (Software)

Program Outcomes (POs)

PROGRAMME OUTCOMES (POs)	
PO1	Knowledge Capable of demonstrating comprehensive disciplinary knowledge gained during course of study.
PO2	Research Aptitude Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis.
PO3	Communication Ability to communicate effectively on general and scientific topics with the scientific community and with society at large.
PO4	Problem Solving Capability of applying knowledge to solve scientific and other problems.
PO5	Individual and Team Work Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO6	Investigation of Problems Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions.
PO7	Modern Tool usage Ability to use and learn techniques, skills and modern tools for scientific practices.
PO8	Science and Society Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices.
PO9	Life-Long Learning Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life.
PO10	Ethics Capability to identify and apply ethical issues related to one's work, avoid unethical behaviour such as fabrication of data, committing plagiarism and unbiased truthful actions in all aspects of work.
PO11	Project Management Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects.

Program Specific Outcomes (PSOs)

PROGRAMME SPECIFIC OUTCOMES (PSOs)	
PSO1	Provide exposure to the hardware and software environment of computer systems along with a comprehensive strengthening of computational expertise in programming languages and open source platforms.
PSO2	Enhance competency in designing and modeling software based applications with enrichment of proficiency in software design skills.
PSO3	Strengthen technical skills and professional expertise in adopting contemporary trends and technological developments for the application of innovative approaches and propositions to real-world problem scenario.
PSO4	Inspire pursuance of skillful expertise for careers in Commercial/ Government Sectors, Academics/ Consultancy/ Research and Development for technological innovations, and collateral fields related to Computer Science and Information Technology.

*MCA(*MASTER OF COMPUTER APPLICATIONS)

PROGRAMME OUTCOMES (POs)

PO1	Knowledge Capable of demonstrating comprehensive disciplinary knowledge gained during course of study.
PO2	Research Aptitude Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis.
PO3	Communication Ability to communicate effectively on general and scientific topics with the scientific community and with society at large.
PO4	Problem Solving Capability of applying knowledge to solve scientific and other problems.
PO5	Individual and Team Work Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO6	Investigation of Problems Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions.
PO7	Modern Tool usage Ability to use and learn techniques, skills and modern tools for scientific practices.
PO8	Science and Society Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices.
PO9	Life-Long Learning Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life.
PO10	Ethics Capability to identify and apply ethical issues related to one's work, avoid unethical behaviour such as fabrication of data, committing plagiarism and unbiased truthful actions in all aspects of work.
PO11	Project Management Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1	Develop competency to administer knowledge and awareness in the computing discipline along with learning aptitude for lifelong endurance in professional realm.
PSO2	Develop proficiency to adapt to contemporary technologies, skills and models for computing practice.
PSO3	Acquire expertise to adopt skills realized during research, experimentation and trending technology cognizance to solve industrial problems.
PSO4	Promote professional competence to aspire careers in Commercial/ Government Sectors, Academics/ consultancy/ Research and Development for technological innovations, and collateral fields related to Computer Science and Information Technology.
PSO5	Foster analytical skills for programming and adept computer based designing of systems in the domains concordant to Algorithm Design, System Software, Web and Application Designing, Data Science & Analytics, Artificial Intelligence & Machine Intelligence, Graphics and Visualization, and Networking Services.

Program Outcomes (POs)

- **PSO1:** Ability to use the techniques, skills, and cutting-edge tools for technical practice in the field of Electronics.
- **PSO2:** Ability to design and implement complex electronic systems in the various technological advanced areas.
- **PSO3:** Ability to design and perform electronics experiments, as well as to analyze and interpret data

PEOs to Mission statement mapping

PEO's	MISSION OF THE DEPARTMENT		
	M1	M2	M3
PEO1	3	1	3
PEO2	1	3	2
PEO3	3	2	3

Program Outcomes (POs)

S. No	Graduate Attributes	Program Outcomes (POs)
1	Knowledge	**PO1**: Capability of demonstrating comprehensive disciplinary knowledge gained during course of' study.
2	Research Aptitude	**PO2:** Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis.
3	Communication	**PO3:** Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
4	Problem Solving	**PO4:** Capability of applying knowledge to solve scientific and other problems
5	Individual and Team Work	**PO5:** Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
6	Investigation of Problems	**PO6**: Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
7	Modern Tool Design	**PO7:** ability to use and learn techniques, skills and modern tools for scientific practices
8	Science and Society	**PO8:** Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to

		professional scientific practices
9	Life-Long Learning	**PO9:** Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life.
10	Ethics	**PO10:** Capability to identify and apply ethical issues related to one's work, avoid unethical behavior such as fabrication of data, committing plagiarism and unbiased truthful actions in all aspects of work.
11	Project Management	**PO11:** Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects.

Programme Educational Objectives (PEOs):

- **PEO1**: To develop ability to analyze, design, develop, optimize and implement complex electronic systems using state of the art approaches and provide practical solutions to electronics related problems.
- **PEO2**: To develop ability to work independently as well as collaboratively and demonstrate leadership, managerial skills and ethical & social responsibility.
- **PEO3:** To promote the life-long learning by pursuing higher education and participation in research and development activities to meet all challenges to transform them as responsible citizens of the nation

M.Tech Micro Electronics & VLSI Design

Program Outcomes (POs)

S. No	Graduate Attributes	Program Outcomes (POs)
1	Knowledge	**PO1**: Capability of demonstrating comprehensive disciplinary knowledge gained during course of' study
2	Research Aptitude	**PO2:** Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis.
3	Communication	**PO3:** Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
4	Problem Solving	**PO4:** Capability of applying knowledge to solve scientific and other problems
5	Individual and Team Work	**PO5:** Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
6	Investigation of Problems	**PO6**: Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
7	Modern Tool Design	**PO7:** ability to use and learn techniques, skills and modern tools for scientific practices
8	Science and Society	**PO8:** Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to professional scientific practices
9	Life-Long Learning	**PO9:** Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life.
10	Ethics	**PO10:** Capability to identify and apply ethical issues related to one's work; avoid unethical behavior such as fabrication of data, committing plagiarism and unbiased truthful actions in all aspects of work.
11	Project Management	**PO11:** Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects.

Program Specific Outcomes (PSOs)

PSO1: Ability to use the techniques, skills, and modern VLSI Design tools necessary for Electronic System Designs.
PSO2: Ability to apply the knowledge of electronics to design and implement complex VLSI systems.
PSO3: Ability to design and conduct experiments based on Microelectronics & VLSI, as well as to analyze and interpret data.

PEOs to Mission statement mapping

PEO's	MISSION OF THE DEPARTMENT		
	M1	M2	M3
PEO1	3	3	1
PEO2	2	3	2
PEO3	1	2	3

Programme Educational Objectives

The Department of Electronic Science in consultation with various stakeholders have formulated the Programme Educational Objectives (PEO's). These PEO's of the M. Tech. Microelectronics and VLSI Design programme are as follows:

- **PEO1:** To train the students to make them capable of exploiting and enhancing theoretical and practical knowledge in domains of Microelectronics and VLSI Design.

- **PEO2:** Students are trained to develop practical and efficient solutions to the challenges of designing and generating GDS files for digital, analog and mixed signal integrated circuits using appropriate EDA tools, computational techniques, and algorithms.

- **PEO3:** To perceive lifelong learning as a means of enhancing knowledge base and skills necessary to become a successful professional or entrepreneur in the domain and contribute towards the growth of community as well as society.

M.sc. Geography

Program Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Research Aptitude	Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis
PO3	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO4	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO5	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO6	Investigation of Problems	Ability of critical thinking, analytical reasoning and research-based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO7	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO8	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
PO9	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life
PO10	Ethics	Capability to identify and apply ethical issues related to one's work, avoid unethical behaviour such as fabrication of data, committing plagiarism and unbiased truthful actions in all aspects of work
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- **PSO1:**Understanding the human and physical environmental phenomena using specialized knowledge pertaining to various sub-fields of geography.
- **PSO2:** Ability to use the state of art geospatial knowledge forresolving the social, economic, cultural and physical problems of the society.
- **PSO3:** Learning the techniques of data acquisition, data processing and interpretation of locational and spatial data.
- **PSO4:** Ability to demonstrate and communicate the geographical knowledge and inculcate analytical ability, research aptitude and relevant skills.

M.sc. Applied Geology

Program Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gainedduring course of study
PO2	Research Aptitude	Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis
PO3	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO4	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO5	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member Or leader in diverse teams, in multidisciplinary settings.
PO6	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO7	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO8	Science and Society	Ability to apply reasoning to assess the different issues related to Society and the consequent responsibilities relevant to the professional scientific

Program Specific Outcomes (PSOs)

PSO1: Basic understanding of fundamental concepts of Geology and applying it on the various natural processes occurring on and inside the Earth as a complete system.

PSO2: Clearly formulate and solve real life challenges with respect to human environment interactions.

PSO3: Applications of fundamental principles of Geology in finding out various minerals and other

natural resources for the betterment of the human society.

PSO4: Acquisition of skills to effectively communicate the knowledge of Geology to the society for safeguarding the physical environment.

M.Tech. in Applied Geology Integrated Course

Program Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Research Aptitude	Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis
PO3	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO4	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO5	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member Or leader in diverse teams, in multidisciplinary settings.
PO6	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO7	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO8	Science and Society	Ability to apply reasoning to assess the different issues related to Society and the consequent responsibilities relevant to the professional scientific practices
PO9	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life
PO10	Ethics	Capability to identity and apply ethical issues related to one's work, avoid unethical behavior such as fabrication of data, committing plagiarism and unbiased truthful actions in all aspects of work
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects

Programme Specific Outcomes (PSO's):

PSO1: Basic understanding of fundamental concepts of geology and applying it on the various natural processes occurring on and inside the earth as a whole system.
PSO2: Clearly formulate and solve real life challenges with respect to human environment interactions.
PSO3: Applications of fundamental principles of geology in finding out various minerals and other natural resources for the betterment of human society.
PSO4: Acquisition of skills to effectively communicate the knowledge of geology to the society for safeguarding the physical environment.

M.sc. (Tech.) in Applied Geophysics

Programme Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge one has gained during course of study
PO2	Research Aptitude	Develop research aptitude. Capability for asking relevant/appropriate questions. Capable of identifying, formulating and analyzing the research problems and to draw conclusions from analysis of research problems.
PO3	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large.
PO4	Problem Solving	Capability of applying knowledge to solve scientific and other problems.
PO5	Individual and Team Work	Capable to learn and work effectively as an individual and as a member or leader in team(s) and in multidisciplinary settings. Facilitate cooperative or coordinated efforts on the part of a group and act together as a group or as a team.
PO6	Investigation of Problems	Ability of critical thinking and analytical reasoning. Ability to use disciplinary and research based knowledge including design of experiments, analysis and interpretation of data to provide valid conclusions.
PO7	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices.
PO8	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices.
PO9	Life-Long Learning	Ability to acquire knowledge and skills including learning 'How to learn' that are necessary for participating in learning activities throughout life.
PO10	Ethics	Capable of demonstrating the ability to identify ethical issues related to one's work, avoid unethical behaviour such as fabrication, falsification or misrepresentation of data or committing plagiarism and adopting objective, unbiased and truthful actions in all aspects of work.

PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these as a member / leader of a team to manage projects

Programme Specific Outcomes (PSOs)

PSO1: Understand the interior of Earth using latest Geophysical knowledge pertaining to various sub-fields within the discipline of Applied Geophysics.

PSO2: Inculcating analytical ability, research aptitude and relevant skills in the students useful for their professional life.

PSO3: Ability to demonstrate and communicate Geophysical knowledge, understanding of Geophysical techniques/principles and apply the same to solve geophysical problems relevant to society.

PSO4: Learning the techniques of data acquisition, data processing and data interpretation for Geophysical methods and their applications for the benefit of society.

B.Tech (Electrical & Instrumentation Engineering)

Programme Educational Objectives (PEOs)

- **PEO1:**The graduates will become competent by applying their technical and managerial skills.
- **PEO2:**The graduates will be able to adapt to any environment and succeed in higher positions in contemporary rapidly evolving technologies in Electrical and Instrumentation engineering field.
- **PEO3:**The graduates will engage themselves in the life-long learning by pursuing higher education and participation in research and development activitiesto meet all challengesto transform them as responsible citizens of the nation

Program Specific Outcomes (PSO's)

- **PSO1:** Clearly understand the fundamental concepts of Electrical and Instrumentation Engineering
- **PSO2:** Graduates will be able to formulate and solve real life problems in the area of Electrical and Instrumentation Engineering
- **PSO3:** Graduate will possess the skills to communicate effectively in both oral and written forms, demonstrating the practice of professional ethics, and responsive to societal and environmental needs.

PEOs to Mission statement mapping

PEO's	MISSION OF THE DEPARTMENT		
	M1	M2	M3
PEO1	3	3	1
PEO2	2	3	2
PEO3	2	2	3

Program Outcomes (POs)

S. No	Graduate Attributes	Program Outcomes (POs)
1	Engineering Knowledge	**PO1:** Able to understand the fundamentals of mathematics, science, Electrical and Instrumentation Engineering and apply them to provide solution of complex engineering problems.
2	Problem Analysis	**PO2:** Ability to analyze, identify, formulate and solve engineering problems in Electrical and Instrumentation Engineering using basic fundamental principles of mathematics and science.
3	Design and Development of Solutions	**PO3:** Design a system, component or process to meet the desired needs and standards within realistic constraints such as public health and safety, social and environmental considerations.
4	Investigation of Problem	**PO4:** Design and conduct experiments, as well as do research, analyze and interpret data and give clear solutions.

5	Modern Tool usage	**PO5:** Use and learn the recent techniques, skills and modern engineering and IT tools necessary for engineering practicewith an understanding of the limitations.
6	Engineer and society	**PO6**: To give basic knowledge of social, economic, safety and cultural issues relevant to professional engineering.
7	Environment and sustainability	**PO7:** To impart knowledge related to the design and development of modern systems which are environmentally sensitive and to understand the importance of sustainable development.
8	Ethics	**PO8:** Apply ethical principles and professional responsibilities in engineering practice.
9	Individual & team work	**PO9:** Ability to visualize and function as an individual and as a member in a team of a multi-disciplinary environment.
10	Communication	**PO10:** Ability to communicate effectively on complex engineering ideas to the engineering community & the society at large. (i.e. being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions)
11	Lifelong learning	**PO11:** To impart education to learn and to engage in independent and life – long learning in the technological change.
12	Project management and finance	**PO12:** Ability to handle administrative responsibilities, manage projects & handle finance related issues in a multidisciplinary environment.

M.Tech (Electrical & Instrumentation Engineering)

Program Outcomes (POs)

S. No.	Post Graduate Attributes	Program Outcomes (POs)
PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Research Aptitude	Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis
PO3	Communication	Ability to communicate effectively on general and Technical topics with the engineering community and with society at large
PO4	Problem Solving	Capability of applying knowledge to solve Engineering and other problems
PO5	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO6	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO7	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific and engineering practices
PO8	Engineering and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional Engineering practices
PO9	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life
PO10	Ethics	Capability to identify and apply ethical issues related to one's work, avoid unethical behaviour such as fabrication of data, committing plagiarism and unbiased truthful actions in all aspects of work
PO11	Project Management	Ability to demonstrate knowledge and understanding of the engineering principles and apply these to manage projects

Program Specific Outcomes (PSOs)

- **PSO1:**Clearly understand the fundamental concepts of Electrical and Instrumentation Engineering
- **PSO2:** Post Graduate will be able to formulate and solve real life problems in the area of Electrical and Instrumentation Engineering
- **PSO3:** Post Graduate will possess the skills to communicate effectively in both oral and written forms, demonstrating the practice of professional ethics, and responsive to societal and environmental needs.

PEOs to Mission statement mapping

PEO's	MISSION OF THE DEPARTMENT		
	M1	M2	M3
PEO1	3	3	1
PEO2	2	3	2
PEO3	2	2	3

Programme Educational Objectives (PEOs):

- **PEO1:** The Post Graduate will become competent by applying their technical and managerial skills.
- **PEO2:** The Post Graduate will be able to adapt to any environment and succeed in higher positions in contemporary rapidly evolving technologies in Electrical and Instrumentation engineering field.
- **PEO3:** The Post Graduate will engage themselves in the life-long learning by pursuing higher education and participation in research and development activities to meet all challenges to transform them as responsible citizens of the nation

M.Sc. (Mathematics)

Program Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Research Aptitude	Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis
PO3	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO4	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO5	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO6	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO7	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO8	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
PO9	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life
PO10	Ethics	Capability to identify and apply ethical issues related to one's work, avoid unethical behaviour such as fabrication of data, committing plagiarism and unbiased truthful actions in all aspects of work
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects

Program Specific Outcomes (PSOs)

PSO1	Have deep understanding and knowledge in the core areas of Mathematics and demonstrate understanding and application of the concepts/theories/principles/ methods/ techniques in different areas of pure and applied Mathematics.
PSO2	Have capability to read and understand mathematical texts, demonstrate and communicate mathematical knowledge effectively and unambiguously through oral and/or written expressions and attain skills of computing/programming/using software tools/formulating models.
PSO3	Attain abilities of critical thinking, logical reasoning, investigating problems, analysis, problem solving, application of mathematical methods/techniques, disciplinary knowledge so as to develop skills to solve mathematical problems having applications in other disciplines and/or in the real world.
PSO4	Have strong foundation in basic and applied aspects of Mathematics so as to venture into research in different areas of mathematical sciences, jobs in scientific and various industrial sectors and/or teaching career in Mathematics.

M.Sc. (Physics)

Program Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Research Aptitude	Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis
PO3	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO4	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO5	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO6	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO7	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO8	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
PO9	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life
PO10	Ethics	Capability to identify and apply ethical issues related to one's work, avoid unethical behaviour such as fabrication of data, committing plagiarism and unbiased truthful actions in all aspects of work
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects

Program Specific Outcomes (PSOs)

PSO1	Acquire an in-depth understanding and knowledge of the core areas of Physics encompassing mathematical physics, classical mechanics, quantum mechanics, electrodynamics, and statistical mechanics for explicating physical phenomena covering wide length and time scales.
PSO2	Be capable of applying the core physical laws to unravel multitude of physical properties, processes, and effects involving radiation, nuclei, atoms, molecules, and bulk forms of matter.
PSO3	Develop hands-on skills for carrying out elementary as well as advanced experiments in different sub-fields of Physics viz. condensed matter physics, nuclear physics, particle physics, materials science, computational physics & electronics, along with enhancing their understanding of physical concepts and theories.

PSO4	Attain abilities of critical thinking, problem mapping & solving using fundamental principles of Physics, systematic analysis & interpretation of results, and unambiguous oral & writing/presentation skills.
PSO5	Have robust foundation in basic and practical aspects of Physics enabling them to venture into research in front-line areas of physical sciences, and career as Physics teachers and scientists.

M.Sc. (Statistics)

Program Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Research Aptitude	Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis
PO3	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO4	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO5	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings
PO6	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO7	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO8	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
PO9		Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life
PO10	Ethics	Capability to identify and apply ethical issues related to one's work, avoid unethical behavior such as fabrication of data, committing plagiarism and unbiased truthful actions in all aspects of work
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects

Program Specific Outcomes (PSOs)

1. Apply analytical and practical skills learned in the course work
2. Provide hands- on training of Statistical Softwares and computer skills to handle and analyze large database by making optimum usage of time and resources in industries.
3. Engage the students in life-long learning by pursuing higher education and participation in research and development activities to meet all challenges to transform them as responsible citizens of the nation.

M.Tech (Computer Engineering)

Program Outcomes (POs)

PO1	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis
PO3	Ability to communicate effectively on general and Technical topics with the engineering community and with society at large
PO4	Capability of applying knowledge to solve Engineering and other problems
PO5	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO6	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO7	Ability to use and learn techniques, skills and modern tools for scientific and engineering practices
PO8	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional Engineering practices
PO9	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life
PO10	Capability to identify and apply ethical issues related to one's work, avoid unethical behaviour such as fabrication of data, committing plagiarism and unbiased truthful actions in all aspects of work
PO11	Ability to demonstrate knowledge and understanding of the engineering principles and apply these to manage projects

Program Specific Outcomes (PSOs)

PSO1	Supplement potential for pursuing advanced studies, engaging in research & technological development directed towards innovative activities, and nurturing entrepreneurial skills.
PSO2	Strengthen competency for innovating solutions to real-world problems by exercising data analysis skills and adopting contemporary technologies for demanding prospective applications.
PSO3	Inculcate the practice to administer Professional & Ethical virtues, along with Social and Environmental regulations.
PSO4	Stimulate the aptitude for problem analysis and programming skills for computer based system design and modeling in allied spheres related to Algorithmic, Computational, Architectural and Database environments, along with emerging technologies such as Machine Learning& Intelligent systems , Evolutionary Techniques and Optimization, Data Science & Analytics, Distributed and Wireless Communication in cognation with IoT and Cloud Computing , Web and Mobile application designing, and Real World Enhancement using Computer Vision & Augmented Reality.

Program Outcomes (POs)

PO1. Soft skills and Working Skills: To comprehend, communicate and execute effectively and efficiently in all of their dealings.
PO2. Leadership: To develop abilities to both lead and respect the views, positions and beliefs of others and to plan and manage effectively
PO3. Innovativeness and Entrepreneurship: To explore issues and problems that needs solutions with entrepreneurial orientation
PO4. Ethics and Values: To recognize, appreciate and follow ethical standards in all walks of life
PO5. Adaptability and Sociability: Ready to understand and adapt the changing environment.
P06. Research and Analytical abilities: To Explore, analyses and provide solutions on emerging issues concerning various fields including public policy.
PO7. Practical exposure and Employability: Exposure to actual working environment leading to employability
PO8. Environmental Consciousness: In every action, dealing, service and manifestation

Programme Specific Objectives

- To prepare students for entry level operational positions in hotels
- Knowledge of hotel functions
- Ability to work in different departments of the hotels
- Apply standard hotel management practices to operational work requirements.
- Becoming socially responsible hotel professional

MHM & CT

Program Outcomes (POs)

PO1. Soft skills and Working Skills: To comprehend, communicate and execute effectively and efficiently in all of their dealings.
PO2. Leadership: To develop abilities to both lead and respect the views, positions and beliefs of others and to plan and manage effectively
PO3. Innovativeness and Entrepreneurship: To explore issues and problems that needs solutions with entrepreneurial orientation
PO4. Ethics and Values: To recognize, appreciate and follow ethical standards in all walks of life
PO5. Adaptability and Sociability: Ready to understand and adapt the changing environment.
P06. Research and Analytical abilities: To Explore, analyses and provide solutions on emerging issues concerning various fields including public policy.
PO7. Practical exposure and Employability: Exposure to actual working environment leading to employability
PO8. Environmental Consciousness: In every action, dealing, service and manifestation

Programme Specific Objectives (PSO)

- PSO 1To prepare students for entry level / middle managerial positions in hotels / allied areas (such as food & beverage service outlets; retails outlets; event / MICE companies; Tourism services companies; entertainment ; hospitality academics etc.)
- PSO 2 Knowledge of hotel functions & management
- PSO 3Ability to work in different departments of the hotels / allied areas (such as food & beverage service outlets; retails outlets; event / MICE companies; Tourism services companies; entertainment hospitality academics etc.)
- PSO 4Apply standard hotel management practices to operational & managerial work requirements.
- PSO 5 Becoming socially responsible hotel professional

*BBA (*BACHELOR OF COMPUTER APPLICATIONS)

PROGRAMME OUTCOMES (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study.
PO2	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large.
PO3	Problem Solving	Capability of applying knowledge to solve scientific and other problems.
PO4	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO5	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions.
PO6	Modern Tool Usage	Ability to use and learn techniques, skills and modern tools for scientific practise.
PO7	Science and Society	Ability to apply reasoning to access the different issues related to society and the consequent responsibilities relevant to the professional scientific practices.
PO8	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life.
PO9	Environment and Sustainability	Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.
PO10	Ethics	Apply ethical principles and professional responsibilities in scientific practices.
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1	Develop proficiency for solving real world problems with the application of programming and supplementary computing skills.
PSO2	Promote exposure to hardware as well as software knowledge with the inclusion of course content targeted to administer technical expertise for employment in the IT industry.
PSO3	Explicit course content is targeted to inculcate programming skills using both conventional and contemporary programming languages as well as to develop potential for realizing web oriented and other commercial/non-commercial applications.
PSO4	Judicious structuring of the course curriculum has been aimed in order to strengthen competitive ability as per the trending industry requirements.
PSO5	Encourage skillful expertise for employment in Commercial/ Government sectors or pursuance of higher studies aimed towards innovational research leading to the progressive growth of the society and the nation.

B.Sc. (Multi Media)

PROGRAMME OUTCOMES

PO1 Acquire knowledge related to the discipline under study.

PO2 Communicate and reflect effectively and efficiently on the issues related to the discipline.

PO3 Exhibit the professional skills and competencies acquired during the Programme of study.

PO4 Apply the knowledge and skills acquired in planning, organizing, evaluation and decision making.

PO5 Explore, analyze and provide solutions to the problems related to the discipline and life.

PO6 Develop exposure to actual working environment leading to employability and entrepreneurship.

PO7 Exhibit scientific & research capabilities in academic, professional and general life pursuits.

PO8 Recognize, appreciate and follow ethical issues relating to the discipline and society.

Programme Specific Outcomes

PSO1 Acquire fundamental knowledge of the field of multimedia as a mass communication tool.

PSO2 Analyze usage/applications of the multimedia components in various real life situations.

PSO3 Develop competency for employability and entrepreneurship by practicing techniques and tools for creating interactive multimedia applications.

PSO4 Demonstrate both theoretical and practical aspects in designing multimedia applications.

PSO5 Create interface between teacher and learner using new media tools in the virtual learning /e-learning systems.

B.Sc. (Printing & Packaging Technology)

PROGRAMME OUTCOMES

PO1 Acquire knowledge related to the discipline under study.

PO2 Communicate and reflect effectively and efficiently on the issues related to the discipline.

PO3 Exhibit the professional skills and competencies acquired during the Programme of study.

PO4 Apply the knowledge and skills acquired in planning, organizing, evaluation and decision making.

PO5 Explore, analyze and provide solutions to the problems related to the discipline and life.

PO6 Develop exposure to actual working environment leading to employability and entrepreneurship.

PO7 Exhibit scientific & research capabilities in academic, professional and general life pursuits.

PO8 Recognize, appreciate and follow ethical issues relating to the discipline and society.

Programme Specific Outcomes:

PSO1 Acquire fundamental knowledge of Printing and packaging Technology as an academic discipline.

PSO 2 Display the knowledge of appropriate theory, practices and tools for the specification, design and implementation

PSO3 Develop competency for employability and Entrepreneurship by practicing techniques and tools for innovative Printing & Packaging applications.

PSO 4 Demonstrate Printing & Packaging skills by undertaking projects.

PSO 5 Link knowledge of Printing and packaging with other chosen auxiliary disciplines of study.

M.B.A. (Under Budgeted/Uder SFS)

Program Outcomes (POs):

PO1. ***Soft skills and working skills:*** *To comprehend, communicate and execute effectively*
and efficiently in all of their dealings.
PO2. ***Leadership****: To develop abilities to both lead and respect the views positions and beliefs of others and to plan and manage effectively.*
PO3. ***Innovativeness and Entrepreneurship:*** *To explore issues and problem that needs solutions with entrepreneurial orientation.*
PO4. ***Ethics and Values:*** *To recognize, appreciate and follow ethical standards in all walks of life.*
PO5. ***Adaptability and Sociability:*** *Ready to understand and adapt the changing environment.*
PO6. ***Research and Analytical abilities:*** *To explore, analyses and provide solutions on emerging issues concerning various fields including public policy.*
PO7. ***Practical exposure and Employability:*** *Exposure to actual working environment leading to employability.*
PO8. ***Environmental Consciousness:*** *In every action, dealing, service and manifestation.*

Program Specific Outcomes (PSOs):

PSOs are what the students of BBA & MBA 2 Year Program are expected to learn and be able to
do after the successful completion of the program. On successfully completing MBA 2 Year

M.A. (Hindi)

Program Outcomes (POs)

PO1	Depth and Breadth of Knowledge	A systematic understanding of knowledge within the discipline and in related discipline/s, and a critical awareness of current problems and/or new insights informed by the forefront of their academic discipline.
PO2	Research and scholarship	a) A working comprehension of how established techniques of research and inquiry are used to create and interpret knowledge in the discipline. b) A treatment of complex issues and judgments based on established principles and techniques.
PO3	Level of application of knowledge	Competence in applying an existing body of knowledge in the critical analysis of a new question or of a specific problem or issue.
PO4	Awareness of limits of knowledge	Cognizance of the complexity of knowledge and of the potential contributions of other interpretations, methods, and disciplines
PO5	Professional capacity/autonomy	Acquiring and showing qualities and transferable skills necessary for employment: exercise of initiative, personal responsibility, intellectual independence, ethical behavior andacademic integrity.
PO6	Level of Communication Skills	Ability to communicate effectively in presenting ideas orally and in writing (oral communication; written communication).

Program Specific Outcomes (PSOs)

PSO-1. भाषा के सामान्य सिद्धांतों व हिंदी भाषा के व्यावहारिक प्रयोग का ज्ञान।

PSO-2. साहित्य संसार व वास्तविक संसार के यथार्थ के प्रति आलोचनात्मक , विकास। का व्यक्तित्व व दृष्टि संवेदनशील

PSO-3. हिंदी साहित्य की विभिन्न धाराओं व परंपराओं की समझ विकसित होगी। विभिन्न युगों समझ की विशिष्टताओं की साहित्य के रचनाकारों व धाराओं , से माध्यम के विमर्शों ,आंदोलनों ,रूपों विविध के साहित्य बढ़ेगी।समकालीन बोध। का युग अपने

PSO-4. साहित्य की विभिन्न विधाओं तथा जनसंचार के माध्यमों के लिए रचनात्मक लेखन की क्षमता में अभिवृद्धि।साहित्य के सौंदर्य मूल्यों वैचारिक तथा कला , होगा। निर्माण का विवेक प्रति के

PSO-5. जीवनयापन के लिए भाषायी कौशल ,पत्रकारिता ,अनुवाद ,कंप्यूटर , सैद्धांत में बारे के आदि चलचित्र ,रंगमंच ,जनसंचारिक व व्यावहारिक ज्ञान।

PSO-6. भारतीय समाज और सांस्कृतिक जीवन के विभिन्न पक्षों में अन्तर्निहित एकता के तत्त्वों का परिचय व पहचान होगी। देश व समाज की एकता अंखडता– की तत्त्वों सार्वभौम के मानवता से माध्यम के विकास।साहित्य का भावना की पहचान।

B.Lib.

Program Outcomes (POs)

PO1	Depth and Breadth of Knowledge	A systematic understanding of knowledge within the discipline and in related discipline/s, and a critical awareness of current problems and/or new insights informed by the forefront of their academic discipline.
PO2	Research and scholarship	a) A working comprehension of how established techniques of research and inquiry are used to create and interpret knowledge in the discipline. b) A treatment of complex issues and judgments based on established principles and techniques.
PO3	Level of application of knowledge	a) Knowledge of Information available in diverse media and formats, their access mechanism, retrieval techniques and evaluation for lifelong learning. b) Competence in applying an existing body of knowledge in the critical analysis of a new question or of a specific problem or issue.
PO4	Awareness of limits of knowledge	Cognizance of the complexity of knowledge and of the potential contributions of other interpretations, methods, and disciplines
PO5	Professional capacity/autonomy	Acquiring and showing qualities and transferable skills necessary for employment: exercise of initiative, personal responsibility, intellectual independence, ethical behavior and academic integrity.
PO6	Level of Communication Skills	Ability to communicate effectively in presenting ideas orally and in writing (oral communication; written communication).

Program Specific Outcomes (PSOs)

PSO1	Demonstrate knowledge of the basic concepts, principles, theories and laws related with the broad field of Library and Information Science and its sub-fields such as types of libraries, types of information sources, library management, reference and information services.
PSO2	Demonstrate understanding of rationality and procedures of (i) selection, acquisition, classification, cataloguing and physical processing of documents; (ii) using Information and Communication Technologies in Libraries and Information Centers; (iii) providing library and information services and managing other library routine activities.
PSO3	Apply skills in carrying out professional activities such as (i) acquisition, accessioning, classification, cataloguing, and physical processing of documents; (ii) housekeeping operations using library management software and Information and Communication Technologies;(iii) maintaining library collection; and (iv) educating users.

PSO4	Demonstrate skills in providing various library services such as document circulation, reference and information services, Internet and database searching.
PSO5	Demonstrate knowledge, understanding and skills that offer job opportunities as librarians in public libraries and school libraries; as assistant librarians in different types of college libraries, as library assistants / technical assistants in university libraries and other libraries of higher education institutes, as librarians and/or assistant librarians in corporate and industrial libraries, libraries of research institutes, etc.
PSO6	Demonstrate professional attitude through commitment for providing every user his/her document/information; ensuring every document/information its user; saving time of the user and enhancing use of reading material and user satisfaction through effective and efficient library services.
PSO7	Demonstrate core values by honouring diversity and ensuring inclusion by treating all students and colleagues with respect and dignity, showing respect for and sensitivity to gender, culture and religious differences; and challenging prejudice, biases and intolerance at the workplace etc. and displaying ethical integrity which involves honest behaviour.

M.Lib.

Program Outcomes (POs)

PO1	Depth and Breadth of Knowledge	A systematic understanding of knowledge within the discipline and in related discipline/s, and a critical awareness of current problems and/or new insights informed by the forefront of their academic discipline.
PO2	Research	c) A working comprehension of how established techniques of research and inquiry are used to create and interpret knowledge in the discipline. d) A treatment of complex issues and judgments based on established principles and techniques.
PO3	Level of application of knowledge	c) Knowledge of Information available in diverse media and formats, their access mechanism, retrieval techniques and evaluation for lifelong learning. d) Competence in applying an existing body of knowledge in the critical analysis of a new question or of a specific problem or issue.
PO4	Awareness of limits of knowledge	Cognizance of the complexity of knowledge and of the potential contributions of other interpretations, methods, and disciplines
PO5	Professional capacity/autonomy	Acquiring and showing qualities and transferable skills necessary for employment: exercise of initiative, personal responsibility, intellectual independence, ethical behavior and academic integrity.
PO6	Level Communication Skills	Ability to communicate effectively in presenting ideas orally and in writing (oral communication; written communication).
PO7	Information Literate & Lifelong Learner	Knowledge of Information resources available in diverse media and formats, their access mechanism, retrieval techniques, evaluation and ethical use to solve specific problems so as to develop into a lifelong learner.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	Understand the philosophy of Librarianship incorporating ideas related to purpose of libraries and Information Centres in diverse areas of scholarship.
PSO2	Critically analyse and restructure information, products and research data using ICT tools to provide services to suit the requirements of specific user groups.
PSO3	Apply the principles and techniques of information processing & retrieval in planning and designing databases information systems and services.
PSO4	Independently plan and manage college libraries, individual sections in University libraries and special libraries in various professional capacities.
PSO5	Use and apply state-of-the-art technology for managing libraries and providing user services within and beyond four walls of the library in the light of changing user requirements in the digital era.
PSO6	Identify current problems in different types of libraries and other information institutions and investigate those issues using standard methods, techniques, tools and technologies for arriving at satisfactory solutions.
PSO7	Demonstrate critical thinking, vision and innovation for understanding, researching and solving ethical, technological and other real world problems in changing information landscapes.

M.A. Panjabi

Program Outcomes (POs)

1	If the contents of course have low correlation (i.e. in agreement with the particular PO to a small extent) with the particular Programme outcome
2	If the contents of course have medium correlation (i.e. in agreement with the particular PO to a reasonable extent) with the particular Programme outcome
3	If the contents of course have strong correlation (i.e. in agreement with the particular PO to a large extent) with the particular Programme outcome

Program Specific Outcomes (PSOs)

Mapping of Course Outcomes to Programme Specific Outcomes:
(CO-PSO Mapping Matrix)
shows the CO-PSO mapping matrix for a course (MAPBI-101) assuming that there are 4 PSOs and 4COs.
CO-PSO Matrix for the CourseMAPBI-101

CO	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**
MAPBI-101.1	**2**	**3**	**3**	**3**
MAPBI-101.2	**3**	**2**	**2**	**3**
MAPBI-101.3	**3**	**3**	**3**	**3**
MAPBI-101.4	**2**	**3**	**2**	**3**
Average	**2.5**	**2.75**	**2.5**	**3**

M.A. (Ancient Indian History, Culture & Archaeology)

Program Outcomes (POs)

1. Scientific & Logical Knowledge of Ancient Indian Wisdom.
2. Enhancing knowledge of Indian Cultural Traditions.
3. Knowledge of Vedic, Medieval & Modern Philosophies.
4. Inculcation of Nationalism and other Moral Values.
5. Enhancing mental relaxation and peace by adopting Prayer, Chanting, Yoga and Meditation.
6. Preservation of Indian Arts and Heritage by using modern technologies.
7. To Import knowledge of different Sanskaras & Philosophy.
8. Imparting knowledge of Folk Traditions in different disciplines of the Faculty.
9. Developing aesthetics, Creativity & Skills like Singing, Painting and Dancing.
10. Improving the Emotional Intelligence through Geeta.

Program Specific Outcomes (PSOs)

1. Construct strong foundation of Ancient Indian Culture and Civilization. Ability to pursue to advance research the understand the Indian civilization.
2. To Impart knowledge of Archaeology, Epigraphy, Numismatic, Art & Architecture.
3. To impart the Ancient Indian Sanskaras to become better human being.
4. To impart the ethical value of Indian Culture. To improve the knowledge of Upanishada's philosophy and Bhagwad Gita knowledge for better human being.
5. Ensure the eligibility after the post graduation as college / university teachers, pgt, museum curator, tourist guide and job in Archaeological Survey of India

M.A. (Fine Arts)

Program Outcomes (POs)

1. Scientific & Logical knowledge of ancient Indian wisdom.
2. Enhancing knowledge of Indian art & cultural traditions.
3. Knowledge of vedic, medieval & modern Philosophies.
4. Inculcation of nationalism and other moral values.
5. Enhancing mental relaxation and peace by adopting prayer, chanting, yoga and meditation.
6. Preservation of Indian arts & heritage by using modern technology.
7. To impart knowledge of different sanskaras & philosophies.
8. Imparting knowledge of folk traditions in different disciplines of the faculty.
9. Developing aesthetics, creativity & skills like singing, painting, dancing.
10. Improving the emotional intelligence through Geeta.

Program Specific Outcomes (PSOs)

PSO1: The detailed function knowledge of Theoretical, Historical and experimental aspects of Fine Arts.

PSO2: To integrate the gained knowledge with various contemporary and evolving areas in Fine Art like Visualization, painting, Advertisement, Sculpture, Graphic(Printmaking), Photography.

PSO3: To understand, analyze, plan and implement practical knowledge of art with developing Artistic skill & concept.

PSO4: Provide opportunities to excel in academics, research or Industry

M.F.A. (Fine Arts)

Program Outcome(POs)

1. Scientific & Logical knowledge of ancient Indian wisdom.
2. Enhancing knowledge of Indian art & cultural traditions.
3. Knowledge of vedic, medieval & modern Philosophies.
4. Inculcation of nationalism and other moral values.
5. Enhancing mental relaxation and peace by adopting prayer, chanting, yoga and meditation.
6. Preservation of Indian arts & heritage by using modern technology.
7. To impart knowledge of different sanskaras & philosophies.
8. Imparting knowledge of folk traditions in different disciplines of the faculty.
9. Developing aesthetics, creativity & skills like singing, painting, dancing.
10. Improving the emotional intelligence through Geeta.

Program Specific Outcome(PSO,s)

The program outcomes (PSO) are the statement of competencies/abilities. PSOs are the statement that describes the knowledge and the abilities the post-Graduate have by the end of program studies.

PSO1: The detailed function knowledge of Theoretical, Historical and experimental aspects of Fine Arts.

PSO2: To integrate the gained knowledge with various contemporary and evolving areas in Fine Art like Visualization, painting, Advertisement, Sculpture, Graphic(Printmaking), Photography.

PSO3: To understand, analyze, plan and implement practical knowledge of art with developing Artistic skill & concept.

PSO4: Provide opportunities to excel in academics, research or Industry

(B.F.A) Bachelor of Fine Arts

Program Specific Outcome(PSO,s)

PSO1	Enhances the knowledge to express concepts with Indian Philosophical and Ancient Wisdom in concrete form effectively.
PSO2	Develops ability to create skillful artistic form using techniques, methods & materials with the input of emotional intelligence that prepare students as professional artists.
PSO3	**Enhances the** knowledge of historical narratives, Indian heritage, and contemporary issues.
PSO4	Inculcates the role of art making in the larger social context and beneficial for society and nation with ethics and moral values.

M.A. (Vocal & Instrumental)

Program Outcomes (POs)

1. Scientific & Logical knowledge of ancient Indian wisdom.
2. Enhancing knowledge of Indian cultural traditions.
3. Knowledge of Vedic, medieval &modern Philosophies.
4. Inculcation of nationalism and other Moral values.
5. Enhancing mental relaxation and peace by adopting prayer, chanting, yoga and meditation.
6. Preservation of Indian arts and heritage by using modern technologies.
7. To Impart knowledge of different sanskaras & philosophy.
8. Imparting knowledge of folk traditions in different disciplines of the faculty.
9. Developing aesthetics, creativity & skills like singing, painting, dancing.
10. Improving the emotional intelligence through Geeta .

Programme specific outcomes (PSO)

1. Constructs strong foundation and in-depth knowledge of Classical Music.
2. Introduced aesthetics and social significance of the Music.
3. Imparts knowledge of folk traditions.
4. Ability to be pursue for advance research in Music.
5. Ensures the employability after post graduations.

MPA (Hons) (5 Year Integrated)

Programme outcomes (POs)

1. Scientific & Logical knowledge of ancient Indian wisdom.

2. Enhancing knowledge of Indian cultural traditions.

3. Knowledge of Vedic, medieval &modern Philosophies.

4. Inculcation of nationalism and other Moral values.

5. Enhancing mental relaxation and peace by adopting prayer, chanting, yoga and meditation.

6. Preservation of Indian arts and heritage by using modern technologies.

7. To Impart knowledge of different sanskaras & philosophy.

8. Imparting knowledge of folk traditions in different disciplines of the faculty.

9. Developing aesthetics, creativity & skills like singing, painting, dancing.

10. Improving the emotional intelligence through Geeta .

Programme specific outcomes (PSO)

Imparts skill based education and Technical knowledge eg. sound recording and Music studio work.

1. Constructs strong foundation and in-depth knowledge of Classical Music.
2. Ability to work as professional musician.
3. Imparts knowledge of folk traditions.

M.A. (Philosophy)

Program Outcomes (POs)

1. Scientific and Logical knowledge of ancient Indian wisdom.
2. Enhancing knowledge of Indian art & cultural traditions.
3. Knowledge of Vedic, medieval &modern Philosophies.
4. Inculcation of nationalism and other moral values.
5. Enhancing mental relaxation and peace by adopting prayer, chanting, yoga and Meditation.
6. Preservation of Indian arts & heritage by using modern technology.
7. To Impart knowledge of different sanskaras & philosophies.
8. Imparting knowledge of folk traditions in different disciplines of the faculty.
9. Developing aesthetics, creativity & skills like singing, painting, dancing.
10. Improving the emotional intelligence through Geeta.

Program Specific Outcomes (PSOs)

- The study of Philosophy enhances ancient Indian as well as western wisdom.
- Philosophy inculcates ethical, social, cultural and religious values and leads to religious and cultural harmony.
- The Study of Philosophy enhances analytical, critical and logical ability of the students and teaches the students to Philosophies.
- The study of Gita and Yoga leads to holistic well being by its various methods.

M.A. (Economics)

Program Outcomes (POs)

a) KNOWLEDGE

Demonstrate knowledge of historical emergence, questions asked, and distinctive contributions of the social science disciplines to the analysis of human behavior and social issues.

b) PROBLEM SOLVING

Visualize, conceptualize, articulate, and solve complex problems through experimentation and observation using theoretical framework of social science disciplines.

c) CRITICAL THINKING

Critically analyze everyday problems faced by the society, evaluate specific policy proposals, compare arguments with different conclusions to a specific societal issue, and assess the role played by assumptions in such arguments.

d) SCIENTIFIC ENQUIRY

Develop the capability of defining problems, formulate hypothesis, collect relevant data, develop empirical evidence and interpret the results of such analyses.

e) USAGE OF ANALYTICAL TOOLS

Develop the ability to apply appropriate quantitative/qualitative techniques used in social science disciplines along with ICT, softwares etc.

f) SPECIALIZATION AND EMPLOYBILITY

Develop deeper understanding, creativity, originality, analytical and critical skills in chosen specialized areas of social science disciplines leading to employability.

g) INTERDISCIPLINARY KNOWLEDGE & ADAPTATION

Enhance the ability to integrate as well as synthesize the acquired knowledge within the social sciences and beyond.

h) SELF DIRECTED LEARNING

Develop the ability to work independently as well as effectively in the changing environment.

i) ETHICS

Articulate and apply ethics, values and ideals that demonstrate awareness of current societal challenges.

j) LEADERSHIP

Build skills to work as part of a team and lead others, setting directions and formulating inspiring vision.

k) COMMUNICATION

Communicate conclusions, interpretations and implications clearly, concisely and effectively, both orally and in writing for different types of audiences.

l) PROJECT MANAGEMENT

Use investigative skills necessary for conducting disciplinary- appropriate projects/ research documents/term papers etc.

Program Specific Outcomes (PSOs)

PSO1: Develop the powers of inquiry, critical analysis, logical thinking, and ability to apply theoretical knowledge to current issues of policy and practice in economics.

PSO2: Learn and apply alternative statistical, mathematical and econometric tools to address policy issues related to competition, growth, fiscal matters, environment, financial markets, labour, infrastructure, agriculture, population, trade and welfare both in India as well as Haryana.

PSO3: Develop and demonstrate fundamental in-depth knowledge and understanding of the theories, postulates, methods, principles, concepts, values, substantive rules of core as well as applied areas of Economics.

PSO4: Identify, coherently explain and synthesize core and advanced economic concepts including economic models to analyze the choices made by consumers, investors, firms, and governments.

M.A. (Business Economics)

Program Outcomes (POs)

a) KNOWLEDGE

Demonstrate knowledge of historical emergence, questions asked, and distinctive contributions of the social science disciplines to the analysis of human behavior and social issues.

b) **PROBLEM SOLVING**

Visualize, conceptualize, articulate, and solve complex problems through experimentation and observation using theoretical framework of social science disciplines.

c) **CRITICAL THINKING**

Critically analyze everyday problems faced by the society, evaluate specific policy proposals, compare arguments with different conclusions to a specific societal issue, and assess the role played by assumptions in such arguments.

d) **SCIENTIFIC ENQUIRY**

Develop the capability of defining problems, formulate hypothesis, collect relevant data, develop empirical evidence and interpret the results of such analyses.

e) USAGE OF ANALYTICAL TOOLS

Develop the ability to apply appropriate quantitative/qualitative techniques used in social science disciplines along with ICT, softwares etc.

f) **SPECIALIZATION AND EMPLOYBILITY**

Develop deeper understanding, creativity, originality, analytical and critical skills in chosen specialized areas of social science disciplines leading to employability.

g) **INTERDISCIPLINARY KNOWLEDGE & ADAPTATION**

Enhance the ability to integrate as well as synthesize the acquired knowledge within the social sciences and beyond.

h) SELF DIRECTED LEARNING

Develop the ability to work independently as well as effectively in the changing environment.

i) **ETHICS**

Articulate and apply ethics, values and ideals that demonstrate awareness of current societal challenges.

j) **LEADERSHIP**

Build skills to work as part of a team and lead others, setting directions and formulating inspiring vision.

k) **COMMUNICATION**

Communicate conclusions, interpretations and implications clearly, concisely and effectively, both orally and in writing for different types of audiences.

l) **PROJECT MANAGEMENT**

Use investigative skills necessary for conducting disciplinary- appropriate projects/ research documents/term papers etc.

Program Specific Outcomes (PSOs)

PSO1: Develop the powers of inquiry, critical analysis, logical thinking, and ability to apply theoretically derived knowledge of economics to current business policy issues.

PSO2: Learn and apply alternative statistical, mathematical and econometric tools to address policy issues related to competition, growth, fiscal matters, business environment, financial markets, labour, agriculture, population, tax planning, trade and welfare in India.

PSO3: Develop and demonstrate fundamental in-depth knowledge and understanding of the theories, postulates, methods, principles, concepts, values, substantive rules of core as well as applied areas of Business Economics.

PSO4: Identify, coherently explain and synthesize core and advanced business and economic concepts including business/economic models to analyze the choices made by consumers, investors, firms, and governments.

M.A. (History)

Programme Outcomes (POs)

1. **Self-Directed Learning:** Develop the ability to work independently as well as effectively in the changing environment.
2. **Knowledge:** Demonstrate knowledge of historical emergence, questions asked, and distinctive contributions of the social science disciplines to the analysis of human behavior and social issues.
3. **Problem Solving:** Visualize, conceptualize, articulate and solve complex problems through experimentation and observation using theoretical framework of social science disciplines.
4. **Critical Thinking:** Critically analyze everyday problems faced by the society, evaluate specific policy proposals, compare arguments with different conclusions to a specific societal issue and assess the role played by assumptions in such arguments.
5. **Scientific Enquiry:** Develop the capability of defining problems, formulate hypothesis, collect relevant data, develop empirical evidence and interpret the results of such analyses.
6. **Usage of Analytical Tools:** Develop the ability to apply appropriate quantitative/qualitative techniques used in social science disciplines along with ICT, softwares etc.
7. **Specialization and Employability:** Develop deeper understanding, creativity, originality, analytical and critical skills in chosen specialized areas of social science disciplines leading to employability.
8. **Inter-disciplinary Knowledge & Adaptation:** Enhance the ability to integrate as well as synthesize the acquired knowledge within the social sciences and beyond.
9. **Ethics:** Articulate and apply ethics, values and ideals that demonstrate awareness of current societal challenges.
10. **Leadership:** Build skills to work as part of a team and lead others, setting directions and formulating inspiring vision.
11. **Communication:** Communicate conclusions, interpretations and implications clearly, concisely and effectively, both orally and in writing for different types of audiences.
12. **Project Management:** Use investigative skills necessary for conducting disciplinary- appropriate projects/ research documents/term papers etc.

Programme Specific Outcomes (PSOs)

PSO1: The M.A. History Programme not only facilitate the students in enhancing their knowledge of the specializations of their choice, but also in fostering other important attributes of a civilized human society.

PSO2: The students will acquire conceptual understanding of different processes, currents and streams of History and the significance of historical developments since the professionalization of the discipline and their relevance to a student's specialist area of study.

PSO3: The students will acquire comprehensive understanding of the epistemological and methodological distinctiveness of history as a discipline, and an ability to reflect on the significance of the influence of other disciplines on the development of historical method.

PSO4: The students will acquire such a critical understanding of the historiographical developments which would further enable them to assess critical and scholarly writing in history.

M.A. (Political Science)

Program Outcomes (POs)

PO 1 KNOWLEDGE :- Demonstrate knowledge of historical emergence, questions asked, and distinctive contributions of the social science disciplines to the analysis of human behavior and social issues.
PO 2 PROBLEM SOLVING:-Visualize, conceptualize, articulate, and solve complex problems through experimentation and observation using theoretical framework of social science disciplines.
PO 3 CRITICAL THINKING:-Critically analyze everyday problems faced by the society, evaluate specific policy proposals, compare arguments with different conclusions to a specific societal issue, and assess the role played by assumptions in such arguments.
PO 4 SCIENTIFIC ENQUIRY:- Develop the capability of defining problems, formulate hypothesis, collect relevant data, develop empirical evidence and interpret the results of such analyses.
PO 5 USAGE OF ANALYTICAL TOOLS:-Develop the ability to apply appropriate quantitative/qualitative techniques used in social science disciplines along with ICT, softwares etc.
PO 6 SPECIALIZATION AND EMPLOYBILITY: - Develop deeper understanding, creativity, originality, analytical and critical skills in chosen specialized areas of social science disciplines leading to employability.
PO 7 INTERDISCIPLINARY KNOWLEDGE & ADAPTATION: Enhance the ability to integrate as well as synthesize the acquired knowledge within the social sciences and beyond.
PO 8 SELF DIRECTED LEARNING: - Develop the ability to work independently as well as effectively in the changing environment.
PO 9 ETHICS: Articulate and apply ethics, values and ideals that demonstrate awareness of current societal challenges.
PO 10 LEADERSHIP: - Build skills to work as part of a team and lead others, setting directions and formulating inspiring vision.
PO 11 COMMUNICATION: Communicate conclusions, interpretations and implications clearly, concisely and effectively, both orally and in writing for different types of audiences.
PO 12 PROJECT MANAGEMENT: - Use investigative skills necessary for conducting disciplinary- projects/ research documents/ term papers etc.

Program Specific Outcomes (PSOs)

PSO1 The students will be able to have an in depth understanding of theoretical and conceptual underpinnings of politics to examine political behaviour.
PSO2 The students will be able to develop the ability to comprehend and analyse political phenomena..
PSO3 The students shall acquire the capacity to observe the politics through various perspectives.
PSO4 The students will be able to comprehend and critically examine various institutions, issues, processes and challenges inherent in political system.

M.A. (Defence Strategic Studies)

Program Outcomes (POs)

PO 1 **KNOWLEDGE :-** Demonstrate knowledge of historical emergence, questions asked, and distinctive contributions of the social science disciplines to the analysis of human behavior and social issues.

PO 2 **PROBLEM SOLVING:-**Visualize, conceptualize, articulate, and solve complex problems through experimentation and observation using theoretical framework of social science disciplines.

PO 3 **CRITICAL THINKING:-**Critically analyze everyday problems faced by the society, evaluate specific policy proposals, compare arguments with different conclusions to a specific societal issue, and assess the role played by assumptions in such arguments.

PO 4 **SCIENTIFIC ENQUIRY:-** Develop the capability of defining problems, formulate hypothesis, collect relevant data, develop empirical evidence and interpret the results of such analyses.

PO 5 **USAGE OF ANALYTICAL TOOLS:-**Develop the ability to apply appropriate quantitative/qualitative techniques used in social science disciplines along with ICT, softwares etc.

PO 6 **SPECIALIZATION AND EMPLOYBILITY: -** Develop deeper understanding, creativity, originality, analytical and critical skills in chosen specialized areas of social science disciplines leading to employability.

PO 7 **INTERDISCIPLINARY KNOWLEDGE & ADAPTATION:** Enhance the ability to integrate as well as synthesize the acquired knowledge within the social sciences and beyond.

PO 8 **SELF DIRECTED LEARNING: -** Develop the ability to work independently as well as effectively in the changing environment.

PO 9 **ETHICS:** Articulate and apply ethics, values and ideals that demonstrate awareness of current societal challenges.

PO 10 **LEADERSHIP: -** Build skills to work as part of a team and lead others, setting directions and formulating inspiring vision.

PO 11 **COMMUNICATION:** Communicate conclusions, interpretations and implications clearly, concisely and effectively, both orally and in writing for different types of audiences.

PO 12 **PROJECT MANAGEMENT: -** Use investigative skills necessary for conducting disciplinary- projects/ research documents/ term papers etc.

Program Specific Outcomes (PSOs)

PSO1 The students will be able to understand and analysis of the key issues and concepts in the discipline.

PSO2 The students will be able to conduct scholarly research, express ideas and construct evidence-based arguments in both written and oral form.

PSO3 The students would be able to analyze issues in international and national security affairs along with understanding the problems arising out to International peace and security.

PSO4 The students shall possess an integrated understanding of the conduct of strategy, military operations, and its relationship to policy.

M.A. (Psychology)

Program Outcomes (POs)

PO 1 **KNOWLEDGE:-** Demonstrate knowledge of historical emergence, questions asked, and distinctive contributions of the social science disciplines to the analysis of human behavior and social issues.

PO 2 **PROBLEM SOLVING:-**Visualize, conceptualize, articulate, and solve complex problems through experimentation and observation using theoretical framework of social science disciplines.

PO 3 **CRITICAL THINKING:-**Critically analyze everyday problems faced by the society, evaluate specific policy proposals, compare arguments with different conclusions to a specific societal issue, and assess the role played by assumptions in such arguments.

PO 4 **SCIENTIFIC ENQUIRY:-**Develop the capability of defining problems, formulate hypothesis, collect relevant data, develop empirical evidence and interpret the results of such analyses.

PO 5 **USAGE OF ANALYTICAL TOOLS:-**Develop the ability to apply appropriate quantitative/qualitative techniques used in social science disciplines along with ICT, software etc.

PO 6 **SPECIALIZATION AND EMPLOYBILITY: -** Develop deeper understanding, creativity, originality, analytical and critical skills in chosen specialized areas of social science disciplines leading to employability.

PO 7 **INTERDISCIPLINARY KNOWLEDGE & ADAPTATION:** Enhance the ability to integrate as well as synthesize the acquired knowledge within the social sciences and beyond.

PO 8 **SELF DIRECTED LEARNING: -** Develop the ability to work independently as well as effectively in the changing environment.

PO 9 **ETHICS:** Articulate and apply ethics, values and ideals that demonstrate awareness of current societal challenges.

PO 10 **LEADERSHIP: -** Build skills to work as part of a team and lead others, setting directions and formulating inspiring vision.

PO 11 **COMMUNICATION:** Communicate conclusions, interpretations and implications clearly, concisely and effectively, both orally and in writing for different types of audiences.

PO 12 **PROJECT MANAGEMENT: -** Use investigative skills necessary for conducting disciplinary- projects/ research documents/ term papers etc.

Program Specific Outcomes (PSOs)

PSO1 Students will be able to acquire and explore understanding of different theoretical perspectives and apply them to study human behaviour.

PSO2 Students will be able to acquire proficiencies in academics, behavioural and social spheres leading to
scientific research of human interactions.

PSO3 Students will be able to acquire proficiency inhandling psychological tools and demonstrate ethical application of skills in Psychological testing, Counselling and other helping areas.

PSO4 Students will be able to have analytical and empirical understanding of different psychological phenomena for promotion of well -being.

M.S.W (Master of Social Work)

Program Outcomes (POs)

PO1 KNOWLEDGE
Demonstrate knowledge of historical emergence, questions asked, and distinctive contributions of the social science disciplines to the analysis of human behavior and social issues.

PO2 PROBLEM SOLVING
Visualize, conceptualize, articulate, and solve complex problems through experimentation and observation using theoretical framework of social science disciplines.

PO3 CRITICAL THINKING
Critically analyze everyday problems faced by the society, evaluate specific policy proposals, compare arguments with different conclusions to a specific societal issue, and assess the role played by assumptions in such arguments.

PO4 SCIENTIFIC ENQUIRY
Develop the capability of defining problems, formulate hypothesis, collect relevant data, develop empirical evidence and interpret the results of such analyses.

PO5 USAGE OF ANALYTICAL TOOLS
Develop the ability to apply appropriate quantitative/qualitative techniques used in social science disciplines along with ICT, softwares etc.

PO6 SPECIALIZATION AND EMPLOYBILITY
Develop deeper understanding, creativity, originality, analytical and critical skills in chosen specialized areas of social science disciplines leading to employability.

PO7 INTERDISCIPLINARY KNOWLEDGE & ADAPTATION
Enhance the ability to integrate as well as synthesize the acquired knowledge within the social sciences and beyond.

Program Specific Outcomes (PSOs)

The students after acquiring Master Degree in Social Work will be able to:- PSO1	Have in depth knowledge and skills of social work profession and other allied discipline which contribute to social work education.
PSO2	Display analytical and critical thinking in relation to social policies, social issues and programmes related to societal development
PSO3	Develop competencies for research and innovation, problem solving, decision making, autonomous functioning and acquisition of information technology skills
PSO4	Inculcate professional attributes interpersonal and collaboration skills and job skills of social work profession including demonstration of integrity, honesty, responsibility and accountability towards social work profession and client system
PSO5	Develop understanding of diversity and inclusiveness, respect for social justice and human rights environmental consciousness and commitment for community and societal engagement

M.A. (Sociology)

Program Outcomes (POs)

PO 1 **KNOWLEDGE :-** Demonstrate knowledge of historical emergence, questions asked, and distinctive contributions of the social science disciplines to the analysis of human behavior and social issues.

PO 2 **PROBLEM SOLVING:-**Visualize, conceptualize, articulate, and solve complex problems through experimentation and observation using theoretical framework of social science disciplines.

PO 3 **CRITICAL THINKING:-**Critically analyze everyday problems faced by the society, evaluate specific policy proposals, compare arguments with different conclusions to a specific societal issue, and assess the role played by assumptions in such arguments.

PO 4 **SCIENTIFIC ENQUIRY: -** Develop the capability of defining problems, formulate hypothesis, collect relevant data, develop empirical evidence and interpret the results of such analyses.

PO 5 **USAGE OF ANALYTICAL TOOLS:-**Develop the ability to apply appropriate quantitative/qualitative techniques used in social science disciplines along with ICT, softwares etc.

PO 6 **SPECIALIZATION AND EMPLOYBILITY: -** Develop deeper understanding, creativity, originality, analytical and critical skills in chosen specialized areas of social science disciplines leading to employability.

PO 7 **INTERDISCIPLINARY KNOWLEDGE & ADAPTATION:** Enhance the ability to integrate as well as synthesize the acquired knowledge within the social sciences and beyond.

PO 8 **SELF DIRECTED LEARNING: -** Develop the ability to work independently as well as effectively in the changing environment.

PO 9 **ETHICS:** Articulate and apply ethics, values and ideals that demonstrate awareness of current societal challenges.

PO 10 **LEADERSHIP: -** Build skills to work as part of a team and lead others, setting directions and formulating inspiring vision.

PO 11 **COMMUNICATION:** Communicate conclusions, interpretations and implications clearly, concisely and effectively, both orally and in writing for different types of audiences.

PO 12 **PROJECT MANAGEMENT: -** Use investigative skills necessary for conducting disciplinary- projects/ research documents/ term papers etc.

Program Specific Outcomes (PSOs)

PSO1 The students would be able to have broad understanding & need of discipline in different phases of development of society.

PSO2 The program would provide the critical reasoning, understanding and analysis of key issues and concepts in the discipline.

PSO3 The students would be able to understand the various theoretical alternatives for the sociological interpretation in understanding the sociological issues.

PSO4 The students would be able to have analytical and empirical understanding of social phenomena which leads to formulate the social planning and policies.

M.A. (Women's Studies)

Program Specific Outcomes (PSOs)

PSO 1: Understand basic concepts and key issues of Women's Studies with its theoretical roots.

PSO 2: Develop critical thinking for emerging gender concerns, current feminist debates, institutional and legal support for gender equality.

PSO 3: Develop an understanding of the need of gender equality and solve complex gender relations in view of theoretical and historical perspective.

PSO 4: Translate theoretical knowledge of concepts and issues of Women's Studies into practice.

PG Diploma in Women's Studies

Programme Specific Outcomes (PSOs)

PSO 1: Understand basic concepts and key issues of Women's Studies with its theoretical roots.

PSO 2: Develop critical thinking for emerging gender concerns, current feminist debates, institutional and legal support for gender equality.

PSO 3: Develop an understanding of the need of gender equality and solve complex gender relations in view of theoretical and historical perspective.

PSO 4:Translate theoretical knowledge of concepts and issues of Women's Studies into practice.

B.Ed. (Special Education)

Programme Specific Outcomes (PSOs)

1. Learners will be able to comprehend the acquire knowledge during the Program of study.
2. Learners will be able to reflect on the issues relating to the discipline – 'Education'.
3. Learners will be able to exhibit the professional skills and competencies acquired during the Program of study.
4. Learners will be able to show scientific & research capabilities in their academic, professional and general life pursuits.
5. Learners will be able to apply the knowledge and skills acquired in academic planning, organizing, evaluation, decision making, resource management according to pre- determined objectives/outcomes.
6. Learners will be able to work as member or leader in various teams and multi-disciplinary & diverse settings.
7. Learners will be able to discuss and solve the problems relating to the discipline and life.
8. Learners will be able to state and follow the ethical issues relating to the discipline and society.
9. Learners will be able to apply different tools and techniques of communication and related skills.

Program Specific Outcomes(PSOs)

PSO1 Demonstrate conceptual understanding of human growth & development and contemporary Indian education.

PSO2 Demonstrate acquisition of knowledge and skills about nature and educational needs of children with disabilities in general and V.I. and H.I. in specific.

PSO3 Demonstrate knowledge and skills about pedagogy of different school subjects with respect to teaching students with V.I., which includes lesson planning, implementing teaching strategies using ICT in special and inclusive settings.

PSO4 Demonstrate the conceptual understanding of core curriculum, expanded core curriculum and universal design for learning and skills required for adopting and modifying the curriculum for students with visual and hearing impairment.

PSO5 Demonstrate core competencies such as communication skills required to articulate thoughts & ideas clearly, effectively and using oral & written communication skills to present information & explanation in well-structured and logical manner.

PSO6 Demonstrate professional competencies to select and use relevant teaching strategies to develop communication skills, critical & creative thinking and problem solving abilities.

PSO7 Demonstrate acquisition of knowledge and skills of action research for solving educational, behavioural & other problems of students with disabilities.

PSO8 Demonstrate professional competencies required for developing and using formative & summative assessment strategies to assess students' learning and adaptations required in evaluation procedure for students with visual impairment.

M.Ed (Special Education)

Program Outcomes (POs)

- Learners will be able to comprehend the acquire knowledge during the Programme of study.
- Learners will be able to reflect on the issues relating to the discipline – 'Education'.
- Learners will be able to exhibit the professional skills and competencies acquired during the Programme of study.
- Learners will be able to show scientific & research capabilities in their academic, professional and general life pursuits.
- Learners will be able to apply the knowledge and skills acquired in academic planning, organizing, evaluation, decision making, resource management according to pre- determined objectives/outcomes.
- Learners will be able to work as member or leader in various teams and multi-disciplinary & diverse settings.
- Learners will be able to discuss and solve the problems relating to the discipline and life.
- Learners will be able to state and follow the ethical issues relating to the discipline and society.
- Learners will be able to apply different tools and techniques of communication and related skills.

Program Specific Outcomes (PSOs)

1. demonstrate conceptual understanding of both general and special education, and Psychology of Development and Learning.
2. demonstrate knowledge and skills about identification, assessment and educational need of children with specific tools and techniques in the area of education of visual impairment.

3. demonstrate the conceptual understanding of core curriculum, expanded core curriculum and Universal Design for Learning and Skill required for adapting and monitoring the curriculum for students with visual impairment
4. demonstrate the acquisition of knowledge and skills of research, application of Advanced Technology, use of ICT, Unified English Braille literacy and use of advanced Braille in the field of education of visually impaired
5. demonstrate the acquisition of knowledge and understanding of the concept of inclusive education with historical perspective and building learning environment for diverse learning needs in the area of inclusive education
6. demonstrate the conceptual understanding of teacher education and family role in the development of children with special needs
7. demonstrate the professional knowledge and skills of evaluation to manage the education of children with disabilities
8. demonstrate the conceptual understanding of educational technology and counseling for children with special needs especially of visual impaired.
9. demonstrate the knowledge and skills to prepare community participatory program and conducting seminar on ICT, guidance, observation and teaching of B.Ed. trainees in the field of special education, designing and conducting research and writing dissertation.

M.Ed.(Master of Education)

Program Outcomes (POs)

PO1	Learners will be able to comprehend the acquired knowledge during the Programme of study.
PO2	Learners will be able to reflect on the issues relating to the discipline – 'Education'.
PO3	Learners will be able to exhibit the professional skills and competencies acquired during the Programme of study.
PO4	Learners will be able to show scientific & research capabilities in their academic, professional and general life pursuits.
PO5	Learners will be able to apply the knowledge and skills acquired in academic planning, organizing, evaluation, decision making and resource management according to pre-determined objectives/ outcomes.
PO6	Learners will be able to work as member or leader in various teams and multi-disciplinary & diverse settings.
PO7	Learners will be able to discuss and solve the problems relating to the discipline and life.
PO8	Learners will be able to state and follow the ethical issues relating to the discipline and society.
PO9	Learners will be able to apply different tools and techniques of communication and related skills.

Program Specific Outcomes (PSOs)

PSO1	Students will be able to describe the context of learner (psychological & social) and learning.
PSO2	Students will be able to reflect on the philosophical, sociological, historical, political, economical, administrative, curricular and other issues relating to system of Education.
PSO3	Students will be able to explain the various concepts and methods of research & statistics in Education.
PSO4	Students will be able to give a detailed account of historical and present perspective of 'Teacher Education'.
PSO5	Students will be able to plan and conduct minor research works/ projects in the field of Education.
PSO6	Students will be able to state his attitudes & aptitude and accordingly will be able to write expository, communicate effectively & deliver his/ her best in the real teaching learning environment.

B.Sc. (Medical/Non-Medical)

B.Sc. (Biotechnology)

Programme Outcomes (POs)

1. To develop skills in graduate students to be able to acquire theoretical and practical knowledge in fundamentals of biology in respective disciplines of plants, animals, microbes and environment.
2. To inculcate ability to critically evaluate problems and apply lateral thinking and analytical skills for professional development.
3. To create awareness on ethical issues, good laboratory practices and biosafety.
4. To develop ability in youth for understanding basic scientific learning and effective communication skills.
5. To prepare youth for career in teaching, industry, government organizations and self reliant entrepreneurship.
6. To make students aware of natural resources and environment and its sustainable utilization.
7. To provide learning experience in students that instills deep interest in biological science for the benefit of society.

Programme specific Outcomes (PSOs)

PSO1 : demonstrate the knowledge and understanding of biological sciences i.e. structure and function of biological molecules, biological mechanisms, such as the processes and control of bioenergetics and metabolism, as chemical reactions with engineering technologies to manipulate living organisms and biological systems to produce products that advance healthcare, medicine, agriculture, food, pharmaceuticals and environment control

PSO2 : critically think and correlate the biological knowledge of distribution, morphology and physiology of organisms (animals, plants and microorganisms) to techniques in aseptic procedures, isolation, identification, characterization and modifications to improve quality of life in person as well as community.

PSO3: demonstrate an understanding of the principles of bio- techniques, and exhibit basic professional skills pertaining to biotechnology, carry out laboratory-orientated numerical calculations and analyse biological data (e.g. in enzyme kinetics, molecular structure analysis, microbiological techniques, immunological inferences)

PSO4 : scientific writing and authentic reporting, effective presentation skills and ability to work in a group with cooperation

B.Sc. (Biotechnology)

Programme Outcomes (POs)

- To develop skills in graduate students to be able to acquire theoretical and practical knowledge in fundamentals of biology in respective disciplines of plants, animals, microbes and environment.
- To inculcate ability to critically evaluate problems and apply lateral thinking and analytical skills for professional development.
- To create awareness on ethical issues, good laboratory practices and biosafety.
- To develop ability in youth for understanding basic scientific learning and effective communication skills.
- To prepare youth for career in teaching, industry, government organizations and self reliant entrepreneurship.
- To make students aware of natural resources and environment and its sustainable utilization.
- To provide learning experience in students that instills deep interest in biological science for the benefit of society.

Programme specific Outcomes (PSOs)

PSO1 : demonstrate the knowledge and understanding of biological sciences i.e. structure and function of biological molecules, biological mechanisms, such as the processes and control of bioenergetics and metabolism, as chemical reactions with engineering technologies to manipulate living organisms and biological systems to produce products that advance healthcare, medicine, agriculture, food, pharmaceuticals and environment control

PSO2 : critically think and correlate the biological knowledge of distribution, morphology and physiology of organisms (animals, plants and microorganisms) to techniques in aseptic procedures, isolation, identification, characterization and modifications to improve quality of life in person as well as community.

PSO3: demonstrate an understanding of the principles of bio- techniques, and exhibit basic professional skills pertaining to biotechnology, carry out laboratory-orientated numerical calculations and analyse biological data (e.g. in enzyme kinetics, molecular structure analysis, microbiological techniques, immunological inferences)

PSO4 : scientific writing and authentic reporting, effective presentation skills and ability to work in a group with cooperation

B.Sc. (Botany)

Programme Outcomes (POs)

1. To develop skills in graduate students to be able to acquire theoretical and practical knowledge in fundamentals of biology in respective disciplines of plants, animals, microbes and environment.
2. To inculcate ability to critically evaluate problems and apply lateral thinking and analytical skills for professional development.
3. To create awareness on ethical issues, good laboratory practices and biosafety.
4. To develop ability in youth for understanding basic scientific learning and effective communication skills.
5. To prepare youth for career in teaching, industry, government organizations and self reliant entrepreneurship.
6. To make students aware of natural resources and environment and its sustainable utilization.
7. To provide learning experience in students that instills deep interest in biological science for the benefit of society.

Programme Specific Outcomes (PSOs)

1. The students will be able to identify the various plants and compare the diagnostic characteristics of lower and higher groups of plants. This comparative approach will help the students to explain the evolution and degree of genetic diversity in plants.
2. The students will be able to explain the various biological processes in plants and how they are sustained and regulated at the cellular and molecular levels. Students will also be able to understand the ecology, development, and behavior of different forms of life.
3. The students will be able to describe and demonstrate the different experimental techniques and methods in various fields of plant sciences.
4. The students will also strengthen their ethical and moral values and shall be able to deal with psychological weaknesses. Students will also learn team workmanship in order to serve the institutions, industry, and society efficiently.
5. The students will possess minimum standards of communication skills expected from a Botany graduate in the country. They will also become acritical thinker and acquire problem-solving capabilities.
6. This programme will help the students in finding career opportunities in higher education in the field of plant sciences and other entrepreneurship programmes.

B.Sc. (Chemistry)

Program Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO3	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO4	Individual and Team Work	Capable to learn and work effectively as an individual , and as a member or leader in diverse teams, multidisciplinary settings
PO5	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO6	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO7	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
PO8	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life
PO9	Environment and Sustainability	Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development
PO10	Ethics	Apply ethical principles and professional responsibilities in scientific practices
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects

PROGRAMME SPECIFIC OUTCOMES(PSOs)

PSO1 Acquire good knowledge about the fundamentals and applications of chemical and scientific theories.
PSO2 All branches of Science and Technology are related to Chemistry.
PSO3 Easily assess the properties of all elements discovered.
PSO4 Will become familiar with the different branches of chemistry like analytical, physical, organic, inorganic, environmental and polymer.
PSO5 Will help in understanding the causes of environmental pollution and can open up new methods to control environmental pollution.
PSO6 Will develop analytical skills and problem-solving skills requiring application of chemical principles.
PSO7 Have the ability to synthesize, separate and characterize compounds using laboratory and instrumentation techniques.

B.Sc. Computer Science

Programme Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO3	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO4	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings'
PO5	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO6	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO7	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
PO8	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life
PO9	Environment and Sustainability	Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.
PO10	Ethics	Apply ethical principles and professional responsibilities in scientific practices
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects

Programme Specific Outcomes (PSOs)

PSO1	Students will be able to acquire the basic understanding of the principles and working of the hardware and software aspects of computer systems.
PSO2	Explore technical knowledge in diverse areas of Computer Science and experience an environment conducive in cultivating skills for successful career, entrepreneurship and higher studies.
PSO3	Papers such as C++, JAVA, Python, Web designing give an effective and efficient real time solution in various domains.

B.Sc. (Electronic Equipment Maintenance)

Programme Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study.
PO2	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large.
PO3	Problem Solving	Capability of applying knowledge to solve scientific and other problems.
PO4	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO5	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions.
PO6	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices.
PO7	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices.
PO8	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life.
PO9	Environment and Sustainability	Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.
PO10	Ethics	Apply ethical principles and professional responsibilities in scientific practices.
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects.

Programme Specific Outcomes (PSOs)

PSO1	Students will be able to acquire the techniques & skills for the basic understanding of the principles and working of various Electronic Equipment and their repair & maintenance.
PSO2	Ability to explore technical knowledge in diverse areas of Electronics and experience an environmentin cultivating the skills for a successful career in repair & maintenance of any Equipment, entrepreneurship as also the higher studies.
PSO3	Ability to design & perform electronic experiments as well as to analyze & suggest effective solutions.

B.Sc. (Geography)

Program Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO3	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO4	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO5	Investigation of Problems	Ability of critical thinking, analytical reasoning and research-based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO6	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO7	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
PO8	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life
PO9	Environment and Sustainability	Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.
PO10	Ethics	Apply ethical principles and professional responsibilities in scientific practices
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects

Program Specific Outcomes (PSO's)

- **PSO1:** Basic understanding of fundamental concepts of geography as an earth science.
- **PSO2:** Clearly formulate and solve real life challenges with respect to human environment interactions.
- **PSO3:** Applications of fundamental principles of geography for the betterment of human society.
- **PSO4:** Acquisition of skills to effectively communicate the knowledge of geography to the society for safe guarding the physical environment.

B.Sc. (Geology)

Program Outcomes (POs)

PO	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO	Investigation of Problems	Ability of critical thinking, analytical reasoning and research-based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
PO	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life
PO	Environment and Sustainability	Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.
PO	Ethics	Apply ethical principles and professional responsibilities in scientific practices
PO	Project	Ability to demonstrate knowledge and understanding of the scientific

	Management	principles and apply these to manage projects

Program Specific Outcomes (PSO's)

- **PSO1:** Basic understanding of fundamental concepts of geology and applying it on the various natural processes occurring on and inside the earth as a whole system.
- **PSO2:** Clearly formulate and solve real life challenges with respect to human environment interactions.
- **PSO3:** Applications of fundamental principles of geology in finding out various minerals and other natural resources for the betterment of human society.
- **PSO4:** Acquisition of skills to effectively communicate the knowledge of geology to the society for safeguarding the physical environment.

B.Sc. (Home Science)

Programme Outcomes (POs)

1. To develop skills in graduate students to be able to acquire theoretical and practical knowledge in fundamentals of biology in respective disciplines of plants, animals, microbes and environment.
2. To inculcate the ability to critically evaluate problems and apply lateral thinking and analytical skills for professional development.
3. To create awareness on ethical issues, good laboratory practices and biosafety.
4. To develop ability in youth for understanding basic scientific learning and effective communication skills.
5. To prepare youth for careers in teaching, industry, government organizations and self-reliant entrepreneurship.
6. To make students aware of natural resources and environment and its sustainable utilization.
7. To provide learning experience in students that instills deep interest in biological science for the benefit of society.

Programme Specific Outcomes (PSOs)

1. **PSO1:** To impart knowledge and facilitate the development of skills and techniques in different areas of Home science (namely Foods, nutrition & dietetics, Human development, Textile and fashion technology and community resource management) required for personal, professional and community advancement.

2. **PSO2:** To inculcate in students values and attitudes that enhance personal and family growth and to sensitize them to various social issues for the development of human society.
3. **PSO3:** To promote in students a scientific temper and competencies in research to enable contribution to the national and international knowledge base in Home science and allied fields.
4. **PSO4:** Consequently, to empower our women students such that they are able to effect positive changes at multiple levels.

B.Sc. (Mathematics)

Program Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO3	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO4	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO5	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO6	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO7	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
PO8	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life
PO9	Environment and Sustainability	Ability to design and developmodern systems which are environmentally sensitive and to understand the importance of sustainable development.
PO10	Ethics	Apply ethical principles and professional responsibilities in scientific practices
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects

Program Specific Outcomes (PSO)

PSO1	Have basic understanding and knowledge in different core areas of Mathematics such as algebra, analysis, calculus, differential equations, mechanics, numerical analysis and in some of the other elective areas. Demonstrate understanding of the concepts /theories/methods from such areas of Mathematics.
PSO2	Have **a broad background** in Mathematics and develop the essential mathematical reasoning, knowledge, skills and aptitude to pursue further studies and research in Mathematics.
PSO3	Communicate mathematics effectively and precisely by written, computational and graphical means.
PSO4	Apply knowledge, understanding, methods, techniques and skills of Mathematics to analyse, evaluate and solve problems of Mathematics and/or the mathematical problems having applications in engineering/science/technology/life sciences/social sciences so as to enhance career prospects in different fields.

B.Sc. (Physics)

Program Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO3	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO4	Individual and Team Work	Capable to learn and work effectively as an individual , and as a member or leader in diverse teams, multidisciplinary settings
PO5	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO6	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO7	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
PO8	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life

PO9	Environment and Sustainability	Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development
PO10	Ethics	Apply ethical principles and professional responsibilities in scientific practices
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects

Programme specific outcome(PSOs)

PSO1: Acquire an in-depth understanding and knowledge of the basic concepts of physics and be able to appreciate how diverse phenomena observed in nature follow from a small set of fundamental laws through logical reasoning.

PSO2: Be capable of understanding the core physical laws to understand the basic concepts, latest progress and applications of certain sub fields such as nuclear physics, spectroscopy of atoms & molecules, solid state physics, computational physics & electronics.

PSO3: Gain hands-on skills for carrying out basic experiments as well as experiments related to different fields of Physics and attain abilities of critical thinking, problem mapping & solving using fundamental principles of Physics, systematic analysis & interpretation of results.

PSO4: Have a new perspective to look at everything from 'Scientific' point of view that enabling them to pursue higher studies at postgraduate & research level

PSO5: Have awareness of the impact of Physics in social, economical and environmental issues.

*B.Sc. (*Statistics)

Program Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO3	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO4	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO5	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to

		provide conclusions
PO6	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO7	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
PO8	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life
PO9	Environment and Sustainability	Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.
PO10	Ethics	Apply ethical principles and professional responsibilities in scientific practices
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects

Programme Specific Outcomes (PSOs)

1. The programme is designed to equip students with all the major concepts of Statistics along with the tools required to implement them.
2. Having practical Component with every course invokes their exploratory side and fine tunes the interpretation abilities.
3. The structure of the programme motivates the students to pursue Careers in public & private sectors.

B.sc. Zoology

Programme Outcomes (POs)

- To develop skills ingraduate students to be able to acquire theoretical and practical knowledge in fundamentals of biology in respective disciplines of plants, animals, microbes and environment.
- To inculcate ability to critically evaluate problems and apply lateral thinking and analytical skills for professional development.
- To create awareness on ethical issues, good laboratory practices and biosafety.
- To develop ability in youth for understanding basic scientific learning and effective communication skills.
- To prepare youth for career in teaching, industry, government organizations and self reliant entrepreneurship.

- To make students aware of natural resources and environment and its sustainable utilization.
- To provide learning experience in students that instills deep interest in biological science for the benefit of society.

Programme Specific Outcomes (PSOs)

1. Students will gain knowledge to develop acquaintance of animal species around them and variations in their life cycles/biology and their interaction with the environment.
2. Young students will be also be apprised about likeness between the physiological processes at the cellular and organismic levels.
3. Youth will be capable of using knowledge of subject and analytical methods in identifying and solving various complex situations of living forms and environment taking into consideration ethics and responsibilities.
4. Teaching of this subject will also develop ability in youth to have understanding of basic Zoology with effective communication ability.
5. This PG programme will develop youth who is aware of natural resources and their sustainable utilization.
6. This programme will develop personnel who can be capable of doing Masters in the subject and can develop career as teacher, in industry or as entrepreneur in the realms of the subject.

B.A. (Bachelor of Arts)

B.A. Public Administration

PROGRAMME OUTCOMES (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;

PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social context.

PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;

PO 4: Apply and independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;

PO 5: Articulate the relationship between diverse form of knowledge and the social, historical and cultural context that produced them**;**

PO 6: Communicate effectively and show ability to read, write, listen to and speak in chosen languages with fluency;

PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;

PO 8: Work with independence, self-reflection and creativity to meet goals and challenge in the workplace and personal life.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1: The students would be able to understand the basic concepts, need & growth of the discipline

PSO2: The program would provide the critical reasoning and analysis of key issues alongwith different concepts of administration.

PSO3: The students would be able to apply the theoretical interpretations to administrative system as well as they will acquire skill to identify social issues through scientific enquiry.

PSO4: The students would be able to have analytical and empirical understanding of administrative phenomena which leads to formulate the administrative planning and policies.

B.A. Political Science

Programme Outcomes(POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;

PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.

PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;

PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;

PO 5: Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;

PO 6: Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency;

PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;

PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Programme Specific Outcomes(PSOs)

PSO1: Honing of critical faculties of students for the examination of political phenomena.

PSO2: The students shall be able to develop an understanding of political events, institutions and processes with the ability to suggest remedies for the challenges therein.

PSO3: The students shall be able to develop an enhanced sensitivity to social and political issues so as to become active members of the citizenry.

PSO4: The students shall be able to demonstrate the conceptual and theoretical understanding of politics for the analysis of political behaviour.

B.A. General Psychology

PROGRAMME OUTCOMES (POs)

PO 1 Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;

PO 2 Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.

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PO 3 Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;

PO 4 Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;

PO 5 Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;

PO 6 Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency;

PO 7 Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;

PO 8 Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1 Students will be able to acquire and explore understanding of different theoretical concepts for study of human behavior

PSO2 Students will be able to acquire understanding of main psychological processes, domains of human development and theoretical understanding of various mental disorders.

PSO3 Students will be able to handle psychological tools and demonstrate ethical application of skills in Psychological testing, Counselling and other helping areas.

PSO4 Students will be able to have empirical understanding of different psychological phenomena for promotion of health and well -being.

B.A. General Economics

PROGRAMME OUTCOMES (POs)

1- To develop skills in graduate students so that they are able to acquire theoretical and practical knowledge about economics, economy, economic behavior, economic policies and economic institutions and economic problems**.**

2- To inculcate ability in students for critical thinking, lateral thinking about economic phenomena, problems and policies so as to create professional potential in them

3- To create awareness on ethical issues, good business practices, and ecology**-**economics interface

4- To development ability in youth for understanding basic economic rationality and effective communication skills

5- To prepare youth for career in teaching, industry, governmentorganisations and self**-**entrepreneurship

6- To make students aware of natural resources, sustainable use and environment

7- To provide learning experience in students that instills deep interest in economic science for the benefit of society**.**

PROGRAMME SPECIFIC OUTCOMES(PSOs)

PSO1**:**Demonstrate the knowledge and understanding of economic science i**.**e vital processes of Economy, consumer and producer behavior at micro level and macro**-**level

PSO2**:** critically think and correlate the economics knowledge with decision**-**making with regard to economic planning and economic policies, understanding of conflicts and tradeoffs and welfare implications of economic measures to improve the quality of life in person as well as of community**.**

PSO3**:** demonstrate an understanding of the principles, methods of economic analysis in static and dynamic terms, analysis of economic data

PSO4**:** concise and meaningful writing and reporting, effective presentation skills, and ability to work productively in a group with co**-**operation

B.A. (Sociology)

PROGRAMME OUTCOMES (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;
PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.
PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;
PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;
PO 5: Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;
PO 6: Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency;
PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;
PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

POS 1: The student would be able to understand the basic concepts, growth and significance of the discipline. PSO 2: The program would provide the critical reasoning and analysis of key issues alongwith different concepts of sociology.
POS 3: The student would be able to apply the theoretical interpretations to society as well as they will acquire skill to identify social issues through scientific enquiry.
PSO 4: The students would be able to understand society, human behaviour and various social problems in the light of sociological perspectives.

B.A. (English)

Programme outcomes (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;

PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.

PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;

PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;

PO 5: Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;

PO 6: Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency;

PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;

PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Programme Specific Outcomes (PSOs)

Upon completion students will be able to:

PSO1: Create social awareness with regard to society and culture.

PSO2: Communicate in English language with proper knowledge of the language.

PSO3: Evaluate teaching learning process through various teaching aids.

PSO4: Respond to the fecundity of imagination and verisimilitude of life which constitute the cognitive and rational response to society.

B. A. (General) Bachelors of Tourism Management (BTM) & B. Vocational (Tourism and Travel Management, TTM)

Programme Outcomes (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;

PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.

PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;

PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;

PO 5: Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;

PO 6: Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency;

PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;

PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Programme Specific Outcomes (PSOs)

PSO1: Create social awareness with regard to society and culture.

PSO2: Communicate in English language with proper knowledge of the language.

PSO3: Evaluate teaching learning process through various teaching aids.

PSO4: Respond to the fecundity of imagination and verisimilitude of life which constitute the cognitive and rational response to society.

B.A. (Hindi)

Programme Outcomes (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;
PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.
PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;
PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;
PO 5: Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;
PO 6: Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency;
PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;
PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Programme Specific Outcomes (PSOs)

PSO-1. व्यि ाररक ि व्याि सानयक जीि ि में भाषा का पिशेषकर ट्र ि ंदी भाषा का स ी प्रयोग कर सकेगा। ट्र ि ंदी भाषा के पिकास के माध्यम से भाषा के सैद्ाि ंनतक लुओं तथा उसके ररितजि की ट्रदशाओं का बोध ोगा।
PSO-2. समकालीि साट्र त्य के पिपिध गद्य ि द्य रू ो ं के माध्यम से अ ि े युग का बोध ोगा। साट्र त्य की पिभभन्ि पिधाओं में रचिात्मक लेखि ि सिंप्रेषण की क्षमता पिकभसत ोगी।
PSO-3. साट्र त्य सिंसार ि ि ास्तपिक सिंसार के यथाथज के प्रनत आलोचिात्मक समझ पिकभसत ोगी। साट्र त्य के सौंदयज, कला तथा ि ै चाररक मूल्यों के प्रनत पि े क का निमाजण ोगा।
PSO-4. व्यक्क्तत्ि पिकास ि जीि िया ि के भलए भाषायी कौशल, किंप्यूटर, अुि ाद, त्रकाररता, जिसिंचार, रिंगमिंच, चलचचत्र आट्रद के बारे में सैद्ाि ंनतक ि व्याि ाररक ज्ञाि ोगा।

B.A. Geography

Program Outcomes (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO3	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO4	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO5	Investigation of Problems	Ability of critical thinking, analytical reasoning and research-based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO6	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO7	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
PO8	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life
PO9	Environment and Sustainability	Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.
PO10	Ethics	Apply ethical principles and professional responsibilities in scientific practices
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects

Program Specific Outcomes (PSO's)

- **PSO1:** Basic understanding of fundamental concepts of geography as an earth science.
- **PSO2:** Clearly formulate and solve real life challenges with respect to human environment interactions.
- **PSO3:** Applications of fundamental principles of geography for the betterment of human society.
- **PSO4:** Acquisition of skills to effectively communicate the knowledge of geography to the society for safe guarding the physical environment.

***B.A. Music*(General)**

Programme Outcomes (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;

PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.

PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;

PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;

PO 5: Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;

PO 6: Communicate effectively and and show ability to read, write, listen to and speak in a chosen language/s with fluency;

PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;

PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Program Specific Outcomes (PSO's)

1. Imparts knowledge about the basic principles of music .

2. Imparts skill based education and grooming for Stage performance .

3. Ensures employability after graduation.

4. Encourages Team work spirit and Introduces social significance of the music

B.A. Music (Hons.)

Programme Outcomes (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;

PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.

PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;

PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;

PO 5: Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;

PO 6: Communicate effectively and and show ability to read, write, listen to and speak in a chosen language/s with fluency;

PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;

PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Program Specific Outcomes (PSO's)

1. Constructs Strong foundation of Music.
2. Ensures specialised training and employability after graduation.
3. Imparts knowledge about recording studio and others technical areas of music.
4. Prepares for higher studies and research.

B.A. (General) Philosophy

Programme Outcomes (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;

PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts;

PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;

PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;

PO 5: Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;

PO 6: Communicate effectively and and show ability to read, write, listen to and speak in a chosen language/s with fluency;

PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;

PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life

Program Specific Outcome(PSOs)

1. Enhancement of ancient Indian wisdom.
2. Development of the ability of logical& reasoning and development of Analytical and Critical Ability of the students
3. Inculcation of ethical, cultural and social values for a better society.
4. Upliftment of the physical, mental and spiritual aspects of the students through Yoga.

B.A. Sanskrit (Elective)

Programme Outcomes (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;

PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.

PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;

PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;

PO 5: Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;

PO 6: Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency;

PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;

PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Program Specific Outcome(PSOs)

1. uhfr] /eZ ,oa n'kZu ds vè;;u }kjk O;ogkfjd ,oa O;kolkf;d dkS'ky
2. laLÑr x|&i| ,oa ukVd ds vè;;u }kjk Hkkjrh; laLÑfr ,oa dyk dk Kku
3. laLÑr Hkk"kk ,oa lkfgR; dk ifjp;
4. laLÑr O;kdj.k ,oa vuqokn ds }kjk Hkk"kk dkS'ky dk fodkl

B.A. (General) Sanskrit

Programme Outcomes (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;

PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.

PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;

PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;

PO 5: Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;

PO 6: Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency;

PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;

PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Program Specific Outcome(PSOs)

1- uhfr] /eZ ,oa n'kZu ds vè;;u }kjk O;ogkfjd ,oa O;kolkf;d dkSly A

2- laLÑr x|&i| ,oa ukVd ds vè;;u }kjk Hkkjrh; laLÑfr ,oa dyk dk Kku A

3- laLÑr Hkk"kk ,oa lkfgR; dk ifjp; A

4- laLÑr O;kdj.k ,oa vuqokn ds }kjk Hkk"kk dkS'ky dk fod

B.A (Health & Physical Education)

PROGRAM OUTCOMES(POS)

1. Learners will be able to comprehend the acquire knowledge during the Program of study.
2. Learners will be able to reflect on the issues relating to the discipline-'Education'.
3. Learners will be able to exhibit the professional skills and competencies acquired during the Program of study.
4. Learners will be able to show scientific & research capabilities in their academic, professional and general life pursuits.
5. Learners will be able to apply the knowledge and skills acquired in academic planning, organizing, evaluation, decision making, resource management according to pre-determined objectives/outcomes.
6. Learners will be able to work as member or leader in various teams and multi-disciplinary & diverse settings.
7. Learners will be able to discuss and solve the problems relating to the discipline and life.
8. Learners will be able to state and follow the ethical issues relating to the discipline and society.
9. Learners will be able to apply different tools and techniques of communication and related skills.

PROGRAM SPECIFIC OUTCOMES(PSOs)

1. Acquire knowledge about historical foundation of Physical education, understand Olympic Movement and skills about managerial aspects of physical education and sports.
2. Apply and demonstrate the knowledge of yoga, psycho-social techniques, health and environment education for health promotion of masses.
3. Acquire knowledge about human physiological aspects, identify different sports injuries and use appropriate physiotherapeutic modalities to treat injuries along with nutritional aspects related to weight management.
4. Use digital communication as an effective tool and utilize appropriate technology and multi-media to organize, analyze, interpret and present information.
5. Employ –best practices of sports training, innovative pedagogy, maintain physical fitness using principles of training frequency, intensity and duration according to prescribed curriculum.

B.A. (Tourism and Travel Management (T.T.M.)

Program Outcomes (POs)

PO1. Soft skills and Working Skills: To comprehend, communicate and execute effectively and efficiently in all of their dealings.

PO2. Leadership: To develop abilities to both lead and respect the views, positions and beliefs of others and to plan and manage effectively

PO3. Innovativeness and Entrepreneurship: To explore issues and problems that needs solutions with entrepreneurial orientation

PO4. Ethics and Values: To recognize, appreciate and follow ethical standards in all walks of life

PO5. Adaptability and Sociability: Ready to understand and adapt the changing environment.

P06. Research and Analytical abilities: To Explore, analyses and provide solutions on emerging issues concerning various fields including public policy.

PO7. Practical exposure and Employability: Exposure to actual working environment leading to employability

PO8. Environmental Consciousness: In every action, dealing, service and manifestation

Programme Specific Objectives (PSOs)

- To prepare students with professional and academic inputs to adapt the changing requirements of tourism industry.
- To demonstrate knowledge and skills required to work in different departments of tourism industry.
- Apply the concepts and skills necessary for different job functions and ethics.
- To demonstrate knowledge about the cultural respect of host culture viz. values, traditions and practices as important aspect for the foundation of tourism at any destination.
- Use knowledge of best practices to further sustainability (economic, social and environmental) in Tourism sector.

B.A. (Mass Communication)

PROGRAMME OUTCOMES(POs)

PO1 Acquire knowledge related to the discipline under study.

PO2 Communicate and reflect effectively and efficiently on the issues related to the discipline.

PO3 Exhibit the professional skills and competencies acquired during the Programme of study.

PO4 Apply the knowledge and skills acquired in planning, organizing, evaluation and decision making.

PO5 Explore, analyze and provide solutions to the problems related to the discipline and life.

PO6 Develop exposure to actual working environment leading to employability and entrepreneurship.

PO7 Exhibit scientific & research capabilities in academic, professional and general life pursuits.

PO8 Recognize, appreciate and follow ethical issues relating to the discipline and society.

Programme Specific Outcomes (PSOs)

PSO1 Acquire fundamental knowledge of Mass communication & Journalism and related study areas.

PSO2 Learn communication and professional skills related to various fields of mass communication.

PSO3 Become competent enough to undertake professional job as per demands and requirements of Media & Entertainment Industry.

PSO4 Become ethically committed media professional adhering to the human values and the values of the Indian culture.

PSO5 Acquire the primary research skills, understand the importance of innovation, entrepreneurship and global vision.

B.A. Honours (English)

Program Outcomes (POs)

PO1	Depth and Breadth of Knowledge	A systematic understanding of knowledge within the discipline and in related discipline/s, and a critical awareness of current problems and/or

		new insights informed by the forefront of their academic discipline.
PO2	Research and scholarship	a) A working comprehension of how established techniques of research and inquiry are used to create and interpret knowledge in the discipline. b) A treatment of complex issues and judgments based on established principles and techniques.
PO3	Level of application of knowledge	Competence in applying an existing body of knowledge in the critical analysis of a new question or of a specific problem.
PO4	Awareness of limits of knowledge	Cognizance of the complexity of knowledge and of the potential contributions of other interpretations, methods, and disciplines.
PO5	Professional capacity/autonomy	Acquiring and showing qualities and transferable skills necessary for employment: exercise of initiative, personal responsibility, intellectual independence, ethical behaviour and
PO6	Level of Communication Skills	Ability to communicate effectively in presenting ideas orally and in writing (oral communication; written communication).

Programme Specific Outcomes (PSOs)

PSO1	Read, interpret, and write about a diverse range of texts in English, for example literature, film, digital media, and popular culture
PSO2	Demonstrate knowledge of the major texts and traditions of literature written in English in their social, cultural and historical context
PSO3	Analyse instances of the variety of literary forms closely in terms of style, figurative language and convention
PSO4	Identify the major theoretical schools of the past and present and apply those approaches to a variety of texts

B.A. Honours (Economics)

PROGRAMME OUTCOMES (POs)

1- To develop skills in graduate students so that they are able to acquire theoretical and practical knowledge about economics, economy, economic behavior, economic policies and economic institutions and economic problems.

2- To inculcate ability in students for critical thinking, lateral thinking about economic phenomena, problems and policies so as to create professional potential in them

3- To create awareness on ethical issues, good business practices, and ecology-economics interface

4- To development ability in youth for understanding basic economic rationality and effective communication skills

5- To prepare youth for career in teaching, industry, government organizations and self-entrepreneurship

6- To make students aware of natural resources, sustainable use and environment

7- To provide learning experience in students that instills deep interest in economic science for the benefit of society.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1: demonstrate the knowledge and understanding of economic science i.e vital processes of economy, consumer and producer behavior at micro level and macro-level

PSO2: critically think and correlate the economics knowledge with decision-making with regard to economic planning and economic policies, understanding of conflicts and tradeoffs and welfare implications of economic measures to improve the quality of life in person as well as of community.

PSO3: demonstrate an understanding of the principles, methods of economic analysis in static and dynamic terms, analysis of economic data

PSO4: concise and meaningful writing and reporting, effective presentation skills, and ability to work productively in a group with co-operation

B.A. Philosophy **(Honors)**

Programme Outcomes (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;

PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts;

PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;

PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;

PO 5: Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;

PO 6: Communicate effectively and and show ability to read, write, listen to and speak in a chosen language/s with fluency;

PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;

PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life

Program Specific Outcomes (PSOs)

1. Philosophy enhance knowledge of ancient Indian ethical ,yogic and spiritual traditions as well as ancient western wisdom.
2. The study of Philosophy help in increasing logical, critical and analytical reasoning and enhances decision making ability.
3. The study of Philosophy of Religion helps in understanding the essence of Religions; thereby leads do a more compassionate attitude toward other religions.

4 The study of Yoga teaches the methods for mental, physical and spiritual well-being.

B.A. Sanskrit **(Honors)**

Programme Outcomes (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;

PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.

PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;

PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;

PO 5: Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;

PO 6: Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency;

PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;

PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Program Specific Outcomes (PSOs)

1. uhfr] /eZ ,oa n'kZu ds vè;;u }kjk O;ogkfjd ,oa O;kolkf;d dkS'ky
2. laLÑr x|&i| ,oa ukVd ds vè;;u }kjk Hkkjrh; laLÑfr ,oa dyk dk Kku
3. laLÑr Hkk"kk ,oa lkfgR; dk ifjp;
4. laLÑr O;kdj.k ,oa vuqokn ds }kjk Hkk"kk dkS'ky dk fodkl

B.A. Honours (Economics), B.A. Honours (Philosophy),

B.A. Honours (Sanskrit), B.A. Honours (Music)

Programme outcomes (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;

PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.

PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;

PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;

PO 5: Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;

PO 6: Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency;

PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;

PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Programme Specific Outcomes (PSOs)

PSO1: Create social awareness with regard to society and culture.

PSO2: Communicate in English language with proper knowledge of the language.

PSO3: Evaluate teaching learning process through various teaching aids.

PSO4: Respond to the fecundity of imagination and verisimilitude of life which constitute the cognitive and rational response to society.

M.Sc. Bio-Technology (Five Year Integrated Course)

Program Outcomes (POs)

a) To develop skills in graduate students to be able to acquire theoretical and practical knowledge in fundamentals of biology in respective disciplines of plants, animals, microbes and environment.
b) To inculcate ability to critically evaluate problems and apply lateral thinking and analytical skills for professional development.
c) To create awareness on ethical issues, good laboratory practices and biosafety.
d) To develop ability in youth for understanding basic scientific learning and effective communication skills.
e) To prepare youth for career in teaching, industry, government organizations and self reliant entrepreneurship.
f) To make students aware of natural resources and environment and its sustainable utilization.
g) To provide learning experience in students that instills deep interest in biological science for the benefit of society.

Program Specific Outcomes (PSOs)

PSO1 : demonstrate the knowledge and understanding of biological sciences i.e. structure and function of biological molecules, biological mechanisms, such as the processes and control of bioenergetics and metabolism, as chemical reactions with engineering technologies to manipulate living organisms and biological systems to produce products that advance healthcare, medicine, agriculture, food, pharmaceuticals and environment control

PSO2 :critically think and correlate the biological knowledge of distribution, morphology and physiology of organisms (animals, plants and microorganisms) to techniques in aseptic procedures, isolation, identification, characterization and modifications to improve quality of life in person as well as community.

PSO3 : demonstrate an understanding of the principles of bio- techniques, and exhibit basic professional skills pertaining to biotechnology, carry out laboratory-orientated numerical calculations and analyse biological data (e.g. in enzyme kinetics, molecular structure analysis, microbiological techniques, immunological inferences)

PSO4 :scientific writing and authentic reporting, effective presentation skills and ability to work in a group with cooperation

M.Sc. Honours Economics (Five Year Integrated Course)

Program Outcomes (POs)

- To develop skills in graduate students so that they are able to acquire theoretical and practical knowledge about economics, economy, economic behavior, economic policies and economic institutions and economic problems.
- To inculcate ability in students for critical thinking, lateral thinking about economic phenomena, problems and policies so as to create professional potential in them
- To create awareness on ethical issues, good business practices, and ecology-economics interface
- To development ability in youth for understanding basic economic rationality and effective communication skills
- To prepare youth for career in teaching, industry, government organizations and self-entrepreneurship
- To make students aware of natural resources, sustainable use and environment
- To provide learning experience in students that instills deep interest in economic science for the benefit of society.

Program Specific Outcomes (PSOs)

- PSO1: demonstrate the knowledge and understanding of economic science i.e. vital processes of economy, consumer and producer behavior at micro level and macro-level
- PSO2: critically think and correlate the economics knowledge with decision-making with regard to economic planning and economic policies, understanding of conflicts, tradeoffs, and welfare implications of economic measures to improve the quality of life in person as well as of community.
- PSO3: demonstrate an understanding of the principles, methods of economic analysis in static and dynamic terms, analysis of economic data
- PSO4: concise and meaningful writing and reporting, effective presentation skills, and ability to work productively in a group with co-operation

B.Ed. (Bachelor of Education)

PROGRAM OUTCOMES(POs)

1) Learners will be able to comprehend the acquire knowledge during the Program of study.
2) Learners will be able to reflect on the issues relating to the discipline-'Education'.
3) Learners will be able to exhibit the professional skills and competencies acquired during the Program of study.
4) Learners will be able to show scientific & research capabilities in their academic, professional and general life pursuits.
5) Learners will be able to apply the knowledge and skills acquired in academic planning, organizing, evaluation, decision making, resource management according to pre-determined objectives/outcomes.
6) Learners will be able to work as member or leader in various teams and multi-disciplinary & diverse settings.
7) Learners will be able to discuss and solve the problems relating to the discipline and life.
8) Learners will be able to state and follow the ethical issues relating to the discipline and society.
9) Learners will be able to apply different tools and techniques of communication and related skills.

PROGRAM SPECIFIC OUTCOMES (PSOs)

1) Acquire knowledge about historical foundation of Physical education, understand Olympic Movement and skills about managerial aspects of physical education and sports.
2) Apply and demonstrate the knowledge of yoga, psycho-social techniques, health and environment education for health promotion of masses.
3) Acquire knowledge about human physiological aspects, identify different sports injuries and use appropriate physiotherapeutic modalities to treat injuries along with nutritional aspects related to weight management.
4) Use digital communication as an effective tool and utilize appropriate technology and multi-media to organize, analyze, interpret and present information.
5) Employ –best practices of sports training, innovative pedagogy, maintain physical fitness using principles of training frequency, intensity and duration according to prescribed curriculum.

MBA (Five Year Integrated Course)

PROGRAM OUTCOMES(POs)

PO1: Soft skills and working skills: To comprehend, communicate and execute effectively and efficiently in all of their dealings

PO2: Leadership: To develop abilities to both lead and respect the views positions and beliefs of others and to plan and manage effectively.

PO3: Innovativeness and Entrepreneurship: To explore issues and problem that needs solutions with entrepreneurial orientation

PO4: Ethics and Values: To recognize, appreciate and follow ethical standards in all walks of life

PO5: Adaptability and Sociability: Ready to understand and adapt the changing environment

PO6: Research and Analytical abilities: To explore, analyses and provide solutions on emerging issues concerning various fields including public policy.

PO7: Practical exposure and Employability: Exposure to actual working environment leading to employability

PO8: Environmental Consciousness: In every action, dealing, service, and manifestation

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: manifest executive knowledge to handle varied business situations & tasks effectively to solve business problems

PSO2: identify & play effectively executive and supervisory roles in organizations

PSO3: understand & apply ethical principles & make value based decisions as socially responsible citizens

PSO4: communicate & work in teams towards organizational goals

Course Outcomes (COs):

Course outcomes are the statements that describe what the students are expected to know and be able to do after the successful completion of the course. Course outcomes are mentioned in the syllabus of the course concerned.

Scale of mapping between COs and POs/PSOs

Scale 1

1. If the contents of course have low correlation (i.e., in agreement with the particular PO/PSO to a small extent) with the particular Program outcome
2. If the contents of course have medium correlation (i.e., in agreement with the particular PO/PSO to a reasonable extent) with the particular Program outcome
3. If the contents of course have strong correlation (i.e., in agreement with the particular PO/PSO to a large extent) with the particular Program outcome

M.A. Sanskrit

PROGRAM OUTCOMES(POs)

PO 1. Scientific & Logical knowledge of ancient Indian wisdom.

PO 2. Enhancing knowledge of Indian art & cultural traditions.

PO 3. Knowledge of Vedic, medieval & modern Philosophies.

PO 4. Inculcation of nationalism and other moral values.

PO 5. Enhancing mental relaxation and peace by adopting prayer, chanting, yoga and meditation.

PO 6. Preservation of Indian arts & heritage by using modern technology.

PO 7. To impart knowledge of different sanskaras & philosophies.

PO 8. Imparting knowledge of folk traditions in different disciplines of the faculty.

PO 9. Developing aesthetics, creativity & skills like singing, painting, dancing.

Po 10. Improving the emotional intelligence through Geeta.

PROGRAM SPECIFIC OUTCOMES (PSOs)

1- osn] czkg~e.kxzaFk] mifuÔn~] osnkaxksa rFkk Hkkjrh; nÓZu ds v/;;u }kjk oSfnd /keZ] laLd`fr ,oa n"kZu dk Kku
2- laLd`r lkfgR; ,oa dkO;"kkL= ds v/;;u }kjk Hkkjrh; es/kk ,oa dkO;dyk dk Kku
3- laLd`r O;kdj.k ds v/;;u }kjk Hkk'kk] Hkk'kk foKku ,oa Hkk'kk dkS"ky dk fodkl
4- lkfgfR;d vfHk#fp] O;kogkfjd Kku] "kkL=ksDr laLdkj ,oa uSfrd ewY;ksa ds vUrfuZos"k }kjk O;fDrRo fodkl
5- ;ksx ,oa vk/;kfRedrk dh izo`fRr }kjk LoLFk thou i)fr ,oa lnkpkj izf"k{k.k

Certificate Course in Bhagvadgita

PROGRAM OUTCOMES(POs)

1. Scientific and Logical knowledge of ancient Indian wisdom.

2. Enhancing knowledge of Indian art and cultural traditions.

3. Knowledge of Vedic, medieval and modern Philosophies.

4. Inculcation of nationalism and other moral values.

5. Enhancing mental relaxation and peace by adopting prayer, chanting, yoga and meditation.

6. Preservation of Indian arts and heritage by using modern technology.

7. To Impart knowledge of different sanskaras and philosophies.

8. Imparting knowledge of folk traditions in different disciplines of the faculty.

9. Developing aesthetics, creativity and skills like singing, painting, dancing.

10. Improving the emotional intelligence through the Gita

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. **Understanding the concepts, the techniques and different method of meditation and Yoga.**
2. **Conceptual understanding of the karma (Action), Dharma (Duty), Bhakti(Devotion) and their relevance in modern times.**
3. **Knowledge and understanding the different concepts of the Gita solves many psychic problems in the world.**
4. **Understanding the nature of self (Purusa) and the world (Prakriti) leads to liberation.**

Diploma in Reasoning

PROGRAM OUTCOMES(POs)

1. Scientific and Logical knowledge of ancient Indian wisdom.

2. Enhancing knowledge of Indian art and cultural traditions.

3. Knowledge of Vedic, medieval and modern Philosophies.

4. Inculcation of nationalism and other moral values.

5. Enhancing mental relaxation and peace by adopting prayer, chanting, yoga and meditation.

6. Preservation of Indian arts and heritage by using modern technology.

7. To Impart knowledge of different sanskaras and philosophies.

8. Imparting knowledge of folk traditions in different disciplines of the faculty.

9. Developing aesthetics, creativity and skills like singing, painting, dancing.

10. Improving the emotional intelligence through the Gita

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. **Enhancement of the skills of applied reasoning which is useful for different**
2. **competitive examinations.**
3. **Helpful in increasing logical reasoning ability.**
4. **Increase in the decision making power.**
5. **Development of critical and analytic ability of the students**

Certificate Course in Yoga

PROGRAM OUTCOMES(POs)

1. Learners will be able to comprehend the acquire knowledge during the Programme of study.
2. Learners will be able to reflect on the issues relating to the discipline-'Education'.
3. Learners will be able to exhibit the professional skills and competencies acquired during the Programme of study.
4. Learners will be able to show scientific & research capabilities in their academic, professional and general life pursuits.
5. Learners will be able to apply the knowledge and skills acquired in academic planning, organizing, evaluation, decision making, resource management according to pre-determined objectives/outcomes.
6. Learners will be able to work as member or leader in various teams and multi-disciplinary & diverse settings.
7. Learners will be able to discuss and solve the problems relating to the discipline and life.
8. Learners will be able to state and follow the ethical issues relating to the discipline and society.
9. Learners will be able to apply different tools and techniques of communication and related skills.

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. develop conceptual understanding of Traditional Yoga.
2. enhance knowledge of Yoga Sutra.
3. enhance and apply the knowledge of Asthang Yoga for the well being of people.
4. develop and apply knowledge of Gyan Yoga, Karma Yoga, and Bhakti Yoga.
5. select and demonstrate different yogic activities like Asanas, Pranayamas and Shudhi Kriyas for promotion of health.

Certificate Course in Sports Dietician

PROGRAM OUTCOMES(POs)

- Learners will be able to comprehend the acquire knowledge during the Programme of study.
- Learners will be able to reflect on the issues relating to the discipline-'Education'.
- Learners will be able to exhibit the professional skills and competencies acquired during the Programme of study.
- Learners will be able to show scientific & research capabilities in their academic, professional and general life pursuits.
- Learners will be able to apply the knowledge and skills acquired in academic planning, organizing, evaluation, decision making and resource management according to pre-determined objectives/outcomes.
- Learners will be able to work as member or leader in various teams and multi-disciplinary & diverse settings.
- Learners will be able to discuss and solve the problems relating to the discipline and life.
- Learners will be able to state and follow the ethical issues relating to the discipline and society.
- Learners will be able to apply different tools and techniques of communication and related skills.

PROGRAM SPECIFIC OUTCOMES (PSOs)

- apply knowledge of different nutrients in eradicating of excess and deficiency disorders of various nutrients.
- apply knowledge of carbohydrates, fats and protein in different sports activities.
- prepare diet chart for requirements of carbohydrates, fats and protein in short duration, medium duration and long duration activities.
- apply knowledge of vitamins, minerals and fluids in different sports activities.
- prepare and apply nutritional supplementation such as antioxidants, creatine, omega-3, fatty acids for different sports activities and also prepare meal planning for different periods of periodization.

Certificate Course in Gym & Aerobic Instructor

PROGRAM OUTCOMES(POs)

1. Learners will be able to comprehend the acquire knowledge during the Programme of study.
2. Learners will be able to reflect on the issues relating to the discipline-'Education'.
3. Learners will be able to exhibit the professional skills and competencies acquired during the Programme of study.
4. Learners will be able to show scientific & research capabilities in their academic, professional and general life pursuits.
5. Learners will be able to apply the knowledge and skills acquired in academic planning, organizing, evaluation, decision making, resource management according to pre-determined objectives/outcomes.
6. Learners will be able to work as member or leader in various teams and multi-disciplinary & diverse settings.
7. Learners will be able to discuss and solve the problems relating to the discipline and life.
8. Learners will be able to state and follow the ethical issues relating to the discipline and society.
9. Learners will be able to apply different tools and techniques of communication and related skills.

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. apply and demonstrate different techniques of body composition for assessment general fitness level of male & female of all ages.
2. prepare & apply exercise programme for different muscles.
3. prepare plan for short & long duration training for muscles gain & fat loss.
4. enable exercise in different training zones like warming up zone, fat burning zones and endurance zone.
5. enhance & apply the knowledge of different Gym equipments, their handling & placement, clothing & footwear for training.

Diploma in Yoga and Applied Philosophy

PROGRAM OUTCOMES(POs)

1. Scientific and Logical knowledge of ancient Indian wisdom.

2. Enhancing knowledge of Indian art and cultural traditions.

3. Knowledge of Vedic, medieval and modern Philosophies.

4. Inculcation of nationalism and other moral values.

5. Enhancing mental relaxation and peace by adopting prayer, chanting, yoga and meditation.

6. Preservation of Indian arts and heritage by using modern technology.

7. To Impart knowledge of different sanskaras and philosophies.

8. Imparting knowledge of folk traditions in different disciplines of the faculty.

9. Developing aesthetics, creativity and skills like singing, painting, dancing.

10. Improving the emotional intelligence through the Gita

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. Lead to inclusive understanding of the world.

2. Holistic development of the students and lead to holistic wellbeing.

3. Study of applied philosophy enhance the understanding of the world and it problems and insight in to the solutions.

4. Enhance capabilities and help in development of a better society.

BCA

PROGRAMME OUTCOMES (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study.
PO2	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large.
PO3	Problem Solving	Capability of applying knowledge to solve scientific and other problems.
PO4	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO5	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions.
PO6	Modern Tool Usage	Ability to use and learn techniques, skills and modern tools for scientific practise.
PO7	Science and Society	Ability to apply reasoning to access the different issues related to society and the consequent responsibilities relevant to the professional scientific practices.
PO8	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life.
PO9	Environment and Sustainability	Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.
PO10	Ethics	Apply ethical principles and professional responsibilities in scientific practices.
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects.

PROGRAM SPECIFIC OUTCOMES (PSOs)

The objective of the curriculum designed for BCA course is to nurture the technical aptitude of students for professional competency in the IT industry.	
PSO1	Develop proficiency for solving real world problems with the application of programming and supplementary computing skills.
PSO2	Promote exposure to hardware as well as software knowledge with the inclusion of course content targeted to administer technical expertise for employment in the IT industry.
PSO3	Explicit course content is targeted to inculcate programming skills using both conventional and contemporary programming languages as well as to develop potential for realizing web oriented and other commercial/non-commercial applications.
PSO4	Judicious structuring of the course curriculum has been aimed in order to strengthen competitive ability as per the trending industry requirements.
PSO5	Encourage skillful expertise for employment in Commercial/ Government sectors or pursuance of higher studies aimed towards innovational research leading to the progressive growth of the society and the nation.

PROGRAMME OUTCOMES (POs)

PO1 Soft Skills and Working Skills: To comprehend, communicate and execute effectively and efficiently in all of their dealings

PO2 Leadership: To develop abilities to both lead and respect the views, positions and beliefs of others and to plan and manage effectively.

PO3 Innovativeness and Entrepreneurship: To explore issues and problems that needs solutions with entrepreneurial orientation.

PO4 Ethics and Values: To recognize, appreciate and follow ethical standards in all walks of life.

PO5 Adaptability and Sociability: Ready to understand and adapt the changing environment.

PO6 Research and Analytical abilities: To explore, analyses and provide solutions on emerging issues concerning various fields including public policy.

PO7 Practical exposure and Employability: Exposure to actual working environment leading to employability.

PO8 Environmental Consciousness: In every action, dealing, service and manifestation.

PROGRAM SPECIFIC OUTCOMES (PSOs)

Program Specific Outcomes (PSOs): BUSINESS STUDIES

PSO1 Understand the conceptual and theoretical framework of management and quantitative techniques.

PSO2 Apply the management principles and quantitative techniques in business.

PSO3 Use the management knowledge for entrepreneurship development.

PSO4 Gain skill into practical business applications including digital marketing and logistics.

Program Specific Outcomes (PSOs): ACCOUNTING & FINANCE

PSO1 Understand the conceptual framework of accounting & finance.

PSO2 Apply the knowledge of accounting & finance into diverse applications.

PSO3 Develop an overview of Indian financial system and corporate governance.

PSO4 Gain proficiency in practical aspects of accounting & finance.

Program Specific Outcomes (PSOs): BUSINESS REGULATIONS

PSO1 Gain an insight of business environment and regulatory framework.

PSO2 Understand the impact of various laws on consumer protection and ciber crime.

PSO3 Develop proficiency in the provisions of taxation and filing of returns.

PSO4 To learn the intricacies of office and secretarial practices for business.

M.Sc. Engineering Physic (five Year Integrated Course)

PROGRAMME OUTCOMES (POs)

PO1	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
PO2	Research Aptitude	Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis
PO3	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
PO4	Problem Solving	Capability of applying knowledge to solve scientific and other problems
PO5	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
PO6	Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
PO7	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
PO8	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
PO9	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life

PO10	Ethics	Capability to identify and apply ethical issues related to one's work, avoid unethical behaviour such as fabrication of data, committing plagiarism and unbiased truthful actions in all aspects of work
PO11	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1 Acquire an in-depth understanding and knowledge of the core areas of Physics encompassing mathematical physics, classical mechanics, quantum mechanics, electrodynamics, and statistical mechanics for explicating physical phenomena covering wide length and time scales.

PSO2 Be capable of applying the core physical laws to unravel multitude of physical properties, processes, and effects involving radiation, nuclei, atoms, molecules, and bulk forms of matter.

PSO3 Develop hands-on skills for carrying out elementary as well as advanced experiments in different sub-fields of Physics viz. condensed matter physics, nuclear physics, particle physics, materials science, computational physics & electronics, along with enhancing their understanding of physical concepts and theories.

PSO4 Attain abilities of critical thinking, problem mapping & solving using fundamental principles of Physics, systematic analysis & interpretation of results, and unambiguous oral & writing/presentation skills.

PSO5 Have robust foundation in basic and practical aspects of Physics enabling them to venture into research in front-line areas of physical sciences, and career as Physics teachers and scientists.

M.A. in Yoga

PROGRAMME OUTCOMES (POs)

1. Learners will be able to comprehend the acquire knowledge during the Programme of study.
2. Learners will be able to reflect on the issues relating to the discipline-'Education'.
3. Learners will be able to exhibit the professional skills and competencies acquired during the Programme of study.
4. Learners will be able to show scientific & research capabilities in their academic, professional and general life pursuits.
5. Learners will be able to apply the knowledge and skills acquired in academic planning, organizing, evaluation, decision making, resource management according to pre-determined objectives/outcomes.
6. Learners will be able to work as member or leader in various teams and multi-disciplinary & diverse settings.
7. Learners will be able to discuss and solve the problems relating to the discipline and life.
8. Learners will be able to state and follow the ethical issues relating to the discipline and society.
9. Learners will be able to apply different tools and techniques of communication and related skills.

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. apply and demonstrate various yogic activities, naturopathy techniques and yogic therapies for recovery from diseases and promotions of health.
2. design, analyse, modify nutritional programme in consideration with physiological aspects, health aspects along with Kinesiological aspects that will positively effect yogic performance.
3. apply the basic concept of research process, test and measurement techniques and statistical application for computing results for generalization.
4. demonstrate and apply various psychological techniques and strategies to enhance performance in yoga and other fields of human life while applying best pedagogical techniques.
5. demonstrate and apply different yogic practices such as Aasans, Pranayam and Meditation and Sudhikiryas for the prevention of disease and other health benefits for masses.

PG Diploma in Yoga

PROGRAMME OUTCOMES (POs)

1. Learners will be able to comprehend the acquire knowledge during the Programme of study.
2. Learners will be able to reflect on the issues relating to the discipline-'Education'.
3. Learners will be able to exhibit the professional skills and competencies acquired during the Programme of study.
4. Learners will be able to show scientific & research capabilities in their academic, professional and general life pursuits.
5. Learners will be able to apply the knowledge and skills acquired in academic planning, organizing, evaluation, decision making, resource management according to pre-determined objectives/outcomes.
6. Learners will be able to work as member or leader in various teams and multi-disciplinary & diverse settings.
7. Learners will be able to discuss and solve the problems relating to the discipline and life.
8. Learners will be able to state and follow the ethical issues relating to the discipline and society.
9. Learners will be able to apply different tools and techniques of communication and related skills

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. develop conceptual understanding of Yog-Parichaya, Traditional Yoga and Hatha Yoga as a literacy information related to yoga.
2. demonstrate and apply the knowledge of various systems of the body in performing different yogic activities.
3. apply different techniques of naturopathy, yogic activities and sound health practices for promotion of health.
4. demonstrate various yogic activities with effective pedagogical techniques.
5. select, demonstrate and apply appropriate yogic activities such as Asans, Pranayam, Meditation and Shudhikriyas meant for prevention of diseases, health promotion require for healthful living.

University Institute of Engineering and Technology, KUK Guidelines for Program Outcomes, Program Specific Outcomes, Course Outcomes

PROGRAM OUTCOMES

By the end of the program, students will acquire the following Program Outcomes:

1. Graduates will be able to exhibit knowledge in Science, Mathematics, Engineering and Technology by expressing imaginative thoughts in a successful way with a consciousness of social and moral obligations.

2. Graduates will be able to describe, perceive & apply the knowledge in Engineering and Technology to understand the given Engineering problems

3. Graduates will be able to apply the knowledge in Engineering and Technology to formulate and develop solution to the Engineering problems.

4. Graduates will be able to analyze and interpret data by using Engineering skills to differentiate among the proposed solutions and will be able to provide significant conclusions.

5. Graduates will be able to evaluate the solution of dynamic problems by conducting research and experimenting with modern tools of modelling and simulation.

6. Graduates will be able to design a hardware and software system, component or process to meet desired needs with given specifications.

7. Graduates will be able to demonstrate leadership qualities with best professional, economic and ethical responsibilities to understand and assess global and national issues.

8. Graduates will be able to communicate adequately in both verbal and written contexts among society and the peers with knowledge of sustainable development of the society and the safe environment.

PROGRAMME EDUCATIONAL OBJECTIVES OF B.TECH. /M.TECH. IN

MECHANICAL ENGINEERING

PEO 1: Graduates will have successful professional careers in industry, government, academia, start ups, defence and administrative services.

PEO 2: Graduates will be competent to apply sound knowledge and skills for analysing and solving problems encountered in the applications of mechanical system design and manufacturing.

PEO 3: Graduates will pursue lifelong learning and continue to advance their careers through activities such as research and development, entrepreneurial involvements, and seeking higher education.

PEO 4: Graduates will be able to understand national and global issues and become active members ready to serve the society locally and internationally.

PROGRAMME SPECIFIC OBJECTIVES OF B.TECH. MECHANICAL ENGINEERING

PSO 1: Graduates will be able to analyse the mechanisms of different machines and machine tools used in the field of Mechanical Engineering.

PSO 2: Graduates will be able to understand different aspects of industrial systems, be responsive to mitigate the problems encountered and be capable of designing new systems for improving the productivity.

PROGRAMME SPECIFIC OBJECTIVES OF M.TECH. MECHANICAL ENGINEERING (THERMAL ENGINEERING)

Students of Thermal Engineering M.Tech Programme will be able to:

PSO 1: Successfully apply fundamental principles and recent advancements in Thermal Engineering to analyze and provide solutions to the real life problems in the field of engineering.

PSO 2: Develop capability to frame research problems; conduct experimental and/or analytical work and analyse results using modern mathematical tools and scientific methods.

PSO 3: Write and present a complete research report on a technical topic related but not limited to the areas of Thermal Engineering.

PROGRAMME SPECIFIC OBJECTIVES OF M.TECH. MECHANICAL

ENGINEERING (INDUSTRIAL AND PRODUCTION ENGINEERING)

Students of Industrial & Production Engineering M.Tech. Programme will be able to:

PSO 1: Apply fundamental principles, advanced tools and techniques for designing and providing solutions to real life/industrial problems.

PSO 2: Capacity to frame research problems; conduct experimental and/or analytical work and analysing results using modern mathematical tools and scientific methods.

PSO 3: Write and present a complete research report on a technical topic related but not limited to the areas of Industrial and Production Engineering.

PROGRAMME SPECIFIC OBJECTIVES OF B.TECH. BIOTECHNOLOGY DEPARTMENT

- To make a contribution in development of Biotechnology product/processes by integrating the concepts of Life Sciences and different aspects of Engineering and Technology.

- To acquire practical Biotechnology skills in the field of Microbial and Molecular Biotechnology research and entrepreneurship.

PROGRAMME SPECIFIC OBJECTIVES OF M.TECH. BIOTECHNOLOGY DEPARTMENT

- To apply professional knowledge for the betterment of environmental issues
- and attainment of sustainable development by pursuing research in Microbial
- Biotechnology and Drug Discovery
- To work as Entrepreneur and Techno- Manager with strong ethics and
- effective communication skills

PROGRAMME SPECIFIC OBJECTIVES OF B.TECH. COMPUTER SCIENCE & ENGINEERING DEPARTMENT

- To be a successful Organizer, Technocrat, Educator, and Scientist.

- To utilize their technical expertise to solve the problems in a scientific and systematic way.
- To do teamwork for delivering their professional responsibility in an ethical manner to society.
- To inculcate the qualities of leadership, innovation, learning ability, advancement and entrepreneurship in graduates.

PROGRAMME SPECIFIC OBJECTIVES OF M.TECH. COMPUTER ENGINEERING

- To prepare post-graduate engineers who will be ready to contribute research &
- development effectively to the advancement of Computer Engineering applications.
- To practice with expertise in academics, entrepreneurship, design, and development in computer technology, or research in the area of Computer Engineering to pursue higher studies.
- To impart post-graduates with both fundamental and advanced knowledge ofcomputer engineering that prepares them for excellence, leadership roles along diverse career paths, and integrates ethical behavior.
- To produce the workforce of a technical evangelist who can effectively build rigorous software engineering projects and problems in a cost-effective manner
- To exhibit analytical decision-making and critical thinking aptitudes for quicklychanging computing problems and lifelong learning to adopt innovations.

PROGRAMME EDUCATIONJAL OBJECTIVES OF ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

- The Electronics & Communication Engineering syllabus at Kurukshetra University, Kurukshetra is designed to prepare the students for productive careers in the state, nation, and the world.
- Graduates will have utilized a foundation in engineering and science to improve skills through a successful career in electronics engineering or other fields.
- Graduates will have become skilled technocrats and innovators, leading or participating in efforts to address technical challenges.
- Graduates will have engaged in teaching-learning process and professional development through hands on technical experience, continuing education or graduate and professional studies in engineering.

PROGRAMME SPECIFIC OBJECTIVES OF M.TECH. ELECTRICAL ENGINEERING DEPTT.

Students of M.Tech. Electrical Engineering Programme will be able to:

- PSO 1: Apply fundamental principles, advanced tools and techniques for designing and providing solutions to real life/industrial problems.
- PSO 2: Capacity to frame research problems; conduct experimental and/or analytical work and analyzing results using modern mathematical/machine learning tools and scientific methods.
- PSO 3: Write and present a complete research report on a technical topic related but not in the areas of Electrical Engineering e.g. & automation, power sector/nonconventional power generation & management,e vehicles etc.

Department of English

PROGRAMME OUTCOMES (POs)

PO1	Depth and Breadth of Knowledge	A systematic understanding of knowledge within the discipline and in related discipline/s, and a critical awareness of current problems and/or new insights informed by the forefront oftheir academic discipline.
PO2	Research and Scholarship	a) A working comprehension of how established teachniques of research and inquiry are used to create and interpret knowledge in the discipline. b) A treatment of complex issues and judgments based on established principles and techniques.
PO3	Level of application of knowledge	Competece in applying an existing body of knowledge in the critical analysis of a new question or of a specific problem.
PO4	Awareness of limits of knowledge	Cognizance of the complexity of knowledge and of the potential contributions of other interpretations, methods, and disciplines.
PO5	Professional capacity/autonomy	Acquiring and showing qualities and transferable skills necessary for employment: exercise of initiative, personal responsibility, intellectual indepence, ethical behaviour.
PO6	Level of Communication Skills	Ability to communicate effectively in presenting ideas orally and in writing (oral communication; wiritten communicaiton.)

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PO1	Read, interpret, and write about a diverse range of texts in English, for example literature, film, digital media, and popular culture
PO2	Demonstrate knowledge of the mojor texts and traditions of literature written in English in their social, cultural and historical context
PO3	Analyse intances of the variety of literary forms closely in terms of style, figurative language and convention
PO4	Identify the major thoretical schools of the post and present and apply those approaches to a variety of texts

M.A. (Journalism & Mass Communication/M.Sc. Mass Communication)

PROGRAMME OUTCOMES(POs)

1. To impart the basic knowledge of Mass communication & Journalism and related areas of studies.
2. To develop the learner as a competent and efficient media professional.
3. To empower learners by communication, professional and life skills.
4. To prepare media professional in ICT enable services and in digital media skills.
5. To imbibe the culture of research, innovation, entrepreneurship and incubation.
6. To inculcate professional ethics, values of Indian and global culture.
7. To prepare socially responsible media academicians, researchers, professionals with global vision.

Programme Specific Outcomes (PSOs)

1. Shall acquire fundamental knowledge of Mass communication & Journalism and related study area.
2. Shall acquire the knowledge related to media and its impact.
3. Shall be competent enough to undertake professional job as per demands and requirements of M & E Industry.
4. Shall empower themselves by communication, professional and life skills.
5. Shall be able to enhance the ability of leadership.
6. Shall become socially responsible citizen with global vision
7. Shall be equipped with ICTs competencies including digital literacy.
8. Shall become ethically committed media professionals and entrepreneurs adhering to the human values, the Indian culture and the Global culture.
9. Shall have an understanding of acquiring knowledge throughout life.
10. Shall acquire the primary research skills, understand the importance of innovation, entrepreneurship and incubation abilities.

B.A. (Mass Communication)

PROGRAMME OUTCOMES(POs)

1. To impart the basic knowledge of Mass communication & Journalism and related areas of studies.
2. To develop the learner into competent and efficient Media & Entertainment Industryready professionals.
3. To empower learners by communication, professional and life skills.
4. To impart Information Communication Technologies (ICTs) skills, including digital and media literacy and competencies.
5. To imbibe the culture of research, innovation, entrepreneurship and incubation.
6. To inculcate professional ethics, values of Indian and global culture.
7. To prepare socially responsible media academicians, researchers, professionals with global vision.

Programme Specific Outcomes (PSOs)

1. Learners will acquire introductory knowledge of various fields of Mass communication.
2. Shall acquire the knowledge about impact of the media on society.
3. Learners will become efficient and competent to undertake professional job in media industry.
4. Shall empower themselves by communication, professional and life skills.
5. Course will develop leadership's skill among budding media professionals.
6. Learner will acquire critical mind set to be a global citizen.
7. Learners will be equipped with ICTs competencies including digital literacy.
8. Learners will become future media entrepreneur and owners with great human mind and knowledge.
9. Learners will become lifelong learners.
10. Shall acquire the communication research skills.

B.Sc. (Graphics & Animation)

PROGRAMME OUTCOMES(POs)

PO1 Acquire knowledge related to the discipline under study.

PO2 Communicate and reflect effectively and efficiently on the issues related to the discipline.

PO3 Exhibit the professional skills and competencies acquired during the Programme of study.

PO4 Apply the knowledge and skills acquired in planning, organizing, evaluation and decision making.

PO5 Explore, analyze and provide solutions to the problems related to the discipline and life.

PO6 Develop exposure to actual working environment leading to employability and entrepreneurship.

PO7 Exhibit scientific & research capabilities in academic, professional and general life pursuits.

PO8 Recognize, appreciate and follow ethical issues relating to the discipline and society.

Programme Specific Outcomes (PSOs)

PSO1 Acquire knowledge about graphics and animation as visual communication tool.

PSO2 Develop competencies and skills needed for becoming an effective graphic designer and animation artist.

PSO3 Develop competency for employability and entrepreneurship by practicing various designing and animation applications.

PSO4 Understand the significance of good design to build the brand identity.

PSO5 Demonstrate critical & aesthetical skills through design, animation and visual effects projects.

B.Sc. (Multi Media)

PROGRAMME OUTCOMES(POs)

PO1 Acquire knowledge related to the discipline under study.

PO2 Communicate and reflect effectively and efficiently on the issues related to the discipline.

PO3 Exhibit the professional skills and competencies acquired during the Programme of study.

PO4 Apply the knowledge and skills acquired in planning, organizing, evaluation and decision making.

PO5 Explore, analyze and provide solutions to the problems related to the discipline and life.

PO6 Develop exposure to actual working environment leading to employability and entrepreneurship.

PO7 Exhibit scientific & research capabilities in academic, professional and general life pursuits.

PO8 Recognize, appreciate and follow ethical issues relating to the discipline and society.

Programme Specific Outcomes (PSOs)

PSO1 Acquire fundamental knowledge of the field of multimedia as a mass communication tool.

PSO2 Analyze usage/applications of the multimedia components in various real life situations.

PSO3 Develop competency for employability and entrepreneurship by practicing techniques and tools for creating interactive multimedia applications.

PSO4 Demonstrate both theoretical and practical aspects in designing multimedia applications.

PSO5 Create interface between teacher and learner using new media tools in the virtual learning /e-learning systems.

B.Sc. (B.Sc. Printing and Packaging Technology)

PROGRAMME OUTCOMES(POs)

PO1 Acquire knowledge related to the discipline under study.

PO2 Communicate and reflect effectively and efficiently on the issues related to the discipline.

PO3 Exhibit the professional skills and competencies acquired during the Programme of study.

PO4 Apply the knowledge and skills acquired in planning, organizing, evaluation and decision making.

PO5 Explore, analyze and provide solutions to the problems related to the discipline and life.

PO6 Develop exposure to actual working environment leading to employability and entrepreneurship.

PO7 Exhibit scientific & research capabilities in academic, professional and general life pursuits.

PO8 Recognize, appreciate and follow ethical issues relating to the discipline and society

Programme Specific Outcomes (PSOs)

PSO1 Acquire fundamental knowledge of Printing and packaging Technology as an academic discipline.

PSO 2 Display the knowledge of appropriate theory, practices and tools for the specification, design and implementation

PSO3 Develop competency for employability and Entrepreneurship by practicing techniques and tools for innovative Printing & Packaging applications.

PSO 4 Demonstrate Printing & Packaging skills by undertaking projects.

PSO 5 Link knowledge of Printing and packaging with other chosen auxiliary disciplines of study.

Pharmacy

Method of measuring level of attainment of PO, PSO and CO

a) In the academic year 2020-21, there is 100 % pass percentage of the students at graduation level.

b) Students have also got absorbed into higher studies in M. Pharm and MBAs at different premier institute after scoring good GPAT/MAT score in their final year.

c) Post graduate students have been absorbed in the pharmaceutical industries in the capacity of quality control analyst, production chemist and pharmacovigilance executives.

d) The undergraduate students have also been absorbed in various the pharmaceutical industries in production units.

B.P.ED

PROGRAMME OUTCOMES(POs)

1. Learners will be able to comprehend the acquire knowledge during the Program of study.
2. Learners will be able to reflect on the issues relating to the discipline-'Education'.
3. Learners will be able to exhibit the professional skills and competencies acquired during the Program of study.
4. Learners will be able to show scientific & research capabilities in their academic, professional and general life pursuits.
5. Learners will be able to apply the knowledge and skills acquired in academic planning, organizing, evaluation, decision making, resource management according to pre-determined objectives/outcomes.
6. Learners will be able to work as member or leader in various teams and multi-disciplinary & diverse settings.
7. Learners will be able to discuss and solve the problems relating to the discipline and life.
8. Learners will be able to state and follow the ethical issues relating to the discipline and society.
9. Learners will be able to apply different tools and techniques of communication and related skills.

Programme Specific Outcomes (PSOs)

1. Acquire knowledge about historical foundation of Physical education, understand Olympic Movement and skills about managerial aspects of physical education and sports.
2. Apply and demonstrate the knowledge of yoga, psycho-social techniques, health and environment education for health promotion of masses.
3. Acquire knowledge about human physiological aspects, identify different sports injuries and use appropriate physiotherapeutic modalities to treat injuries along with nutritional aspects related to weight management.
4. Use digital communication as an effective tool and utilize appropriate technology and multi-media to organize, analyze, interpret and present information.
5. Employ –best practices of sports training, innovative pedagogy, maintain physical fitness using principles of training frequency, intensity and duration according to prescribed curriculum.

M.P.ED

PROGRAMME OUTCOMES(POs)

1. Learners will be able to comprehend the acquire knowledge during the Program of study.
2. Learners will be able to reflect on the issues relating to the discipline- 'Education'.
3. Learners will be able to exhibit the professional skills and competencies acquired during the Program of study.
4. Learners will be able to show scientific & research capabilities in their academic, professional and general life pursuits.
5. Learners will be able to apply the knowledge and skills acquired in academic planning, organizing, evaluation, decision making, resource management according to pre-determined objectives/outcomes.
6. Learners will be able to work as member or leader in various teams and multi-disciplinary & diverse settings.
7. Learners will be able to discuss and solve the problems relating to the discipline and life.
8. Learners will be able to state and follow the ethical issues relating to the discipline and society.
9. Learners will be able to apply different tools and techniques of communication and related skills.

Programme Specific Outcomes (PSOs)

1. Apply the basic concept of research, various test & measurement techniques and statistical application in research process for computing results.
2. Apply and demonstrate fundamentals of kinesiology including physiology of exercise, teaching movement related skills, health promotion and enhancement of sport performance through systematic and scientific sports training, appropriate psychological and yogic technique application.
3. Apply and demonstrate different physiotherapeutical modalities in consideration with bio-mechanical principles, health and fitness & nutritional status required for recovery from injuries and enhancing sports performance.
4. Use digital communication as an effective tool and utilize appropriate technology and multimedia to organize, analyze, interpret and present information while applying effective management principles in pedagogical process.
5. Demonstrate the techniques of different sports, interpretation of rules and regulations and officiating and coaching competency at various levels.