



THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (A)
(Nationally Re-Accredited with B⁺⁺ Grade by NAAC at 4th Cycle)
(Affiliated to Bharathidasan University, Tiruchirappalli - 24)
No.36/2, RACE COURSE ROAD, KHAJAMALAI, TIRUCHIRAPPALLI - 620 023
TAMILNADU, INDIA.

Tel.No. : 0431 - 2420079 Website: www.thanthaiperiyargasc.ac.in E-mail : periyarevrcollege@yahoo.com

CRITERION II – TEACHING-LEARNING AND EVALUATION

2.6 Student Performance and Learning Outcomes

2.6.1 UNDER GRADUATE (UG) PROGRAMME OUTCOMES (POs) AND PROGRAMME

SPECIFIC OUTCOMES(PSOs)

DEPARTMENT OF BOTANY

UG PROGRAMME: B.Sc. BOTANY PROGRAMME CODE: UBO

PROGRAMME OUTCOMES (POs)

NAME OF THE PROGRAM	PO LEVEL	OUTCOMES
B.Sc. BOTANY	PO1	Apply the knowledge of science and technology fundamentals to find solution for complex problems.
	PO2	Recognize the benefits and limitations of science and its application in technological developments
	PO3	Transcribe scientific ideas, arguments and practical experiences and demonstrate laboratory skills in handling new scientific techniques and equipment.
	PO4	With the acquired skills and enhanced knowledge students will be employable/ become entrepreneurs or will pursue higher Education
	PO5	To enable the students to take up various qualifying examinations and to face the challenges in career opportunities



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PROGRAMME SPECIFIC OUTCOMES (PSOs)

NAME OF THE PROGRAM	PSO LEVEL	OUTCOMES
B.Sc. BOTNY	PSO1	Students will be able to understand the scope and importance of Botany in every field especially, in dealing with societal and environmental issues, agriculture and healthcare.
	PSO2	identify the major groups of plants and be able to classify them.
	PSO3	correlate the adaptation, reproduction pattern and mode of life cycle in different forms of plants.
	PSO4	understand the impact of the plant diversity in societal and environmental contexts, and demonstrate the need for sustainable development.
	PSO5	apply the mushroom cultivation, gardening, landscaping, herbal technology and bio fertilizer techniques for entrepreneurship and commercialization.



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DEPARTMENT OF CHEMISTRY

PROGRAMME: B.Sc. CHEMISTRY

PROGRAMME CODE: UCH

PROGRAMME OUTCOMES(POs)

NAME OF THE PROGRAM	PO LEVEL	OUTCOMES
B.Sc. CHEMISTRY	PO1	Students will acquire basic Practical skills and Technical knowledge along with domain knowledge of different subjects in the science and humanities stream.
	PO2	Students will develop scientific aptitude Integrate skills of analysis,critiquing,application and creativity.
	PO3	Students will gain competence to pursue higher learning, research and careers or will be able to opt for entrepreneurship.
	PO4	Students will interact meaningfully with others displaying leadership and coordination in executing projects.
	PO5	Students will demonstrate responsibility as citizens committed to national development through community outreach, wellness of self and a sustainable environment.



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PROGRAMME SPECIFIC OUTCOMES(PSOs)

NAME OF THE PROGRAM	PSO LEVEL	OUTCOMES
B.Sc. CHEMISTRY	PSO1	Students can disseminate the basics of chemistry and advanced topics and analytical skills in organic, inorganic and physical chemistry.
	PSO2	Gain competence to pursue higher education and career opportunities in chemistry and allied fields.
	PSO3	Exhibit leadership qualities to work individually and with in a team in organizing curricular, co-curricular and extracurricular activities.
	PSO4	Apply the concepts of chemistry to solve problems in the community,entrepreneurial and research pursuits.
	PSO5	Exhibit competence in educational, industrial and research pursuits that contribute-towards the holistic development of self and community.



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DEPARTMENT OF COMMERCE

UG PROGRAMME: B.COM.

PROGRAMME CODE: UCO

PROGRAMME OUTCOMES (POs)

NAME OF THE PROGRAM	PO LEVEL	OUTCOMES
B.COM.	PO1	Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate Programme of study
	PO2	Capability to apply analytic thought to a body of knowledge; analyze and evaluate evidence, arguments, claims, beliefs based on empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following a scientific approach to knowledge development.
	PO3	Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples, and address opposing viewpoints.
	PO4	A sense of inquiry and capability for asking relevant/appropriate questions, problem arising, synthesizing and articulating; Ability to recognize cause-and-effect relationships, define problems, formulate hypotheses, test hypotheses, analyze, interpret and draw conclusions from data, establish hypotheses, predict cause-and-effect relationships; ability to plan, execute and report the results of an experiment or investigation.
	PO5	Ability to analyse interprets and draws conclusions from quantitative/qualitative data; and critically evaluates ideas, evidence and experiences from an open-minded and reasoned perspective.



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PROGRAMME SPECIFIC OUTCOMES(PSOs)

NAME OF THE PROGRAM	PSO LEVEL	OUTCOMES
B.COM.	PSO1	To prepare the students who will demonstrate respectful engagement with others' ideas, behaviours, beliefs and apply diverse frames of reference to decisions and actions.
	PSO2	To create effective entrepreneurs by enhancing their critical thinking, problem-solving, decision-making, and leadership skill that will facilitate startups and high-potential organizations.
	PSO3	Design and implement HR systems and practices grounded in researches that comply with employment laws, leading the organization toward growth and development.
	PSO4	To produce employable, ethical and innovative professionals to sustain in the dynamic business world.
	PSO5	To contribute to the development of society by collaborating with stakeholders for mutual benefit.



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DEPARTMENT OF COMPUTER APPLICATIONS

UG PROGRAMME: BCA

PROGRAMME CODE: UCA

PROGRAMME OUTCOMES (POs)

NAME OF THE PROGRAM	PO LEVEL	OUTCOMES
BCA	PO1	Knowledge and understanding of scientific concepts, theories, and principles in the relevant field of study.
	PO2	Competence in laboratory skills, including experimental design, data collection, analysis, and interpretation.
	PO3	Critical thinking and analytical skills, including the ability to evaluate scientific evidence, draw conclusions, and make informed decisions.
	PO4	Collaborative and teamwork skills, including the ability to work effectively in groups and contribute to shared goals.
	PO5	Adaptability and lifelong learning skills, including the ability to learn independently, update knowledge and skills, and pursue further education or professional development.



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PROGRAMME SPECIFIC OUTCOMES (PSOs)

NAME OF THE PROGRAM	PSO LEVEL	OUTCOMES
BCA	PSO1	Proficiency in programming languages such as Java, C, Python, and web programming languages such as HTML, PHP, and JavaScript.
	PSO2	Knowledge of computer hardware and operating systems, and the ability to troubleshoot and maintain computer systems.
	PSO3	Familiarity with computer networks and the ability to design, configure, and maintain network infrastructure.
	PSO4	Competence in using database manage systems and software development methodologies to design and implement software solutions.
	PSO5	Ability to apply knowledge and skills gained in the program to pursue further education or professional development in computer science or related fields.



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DEPARTMENT OF COMPUTER SCIENCE

UG PROGRAMME: B.Sc.COMPUTER SCIENCE PROGRAMME CODE:UCS

PROGRAMME OUTCOMES(POs)

NAME OF THE PROGRAM	PO LEVEL	OUTCOMES
B.Sc. COMPUTER SCIENCE	PO1	Expand the ability to identify, analyse and solution to a problem in a logical manner
	PO2	To give technical support for the various systems as Hardware / Software as support designer
	PO3	To train students for employment requiring computer science and technology-based problem solving skills
	PO4	To produce limited entrepreneurs who can innovate and develop software product
	PO5	Develop ability to pursue advanced studies



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PROGRAMME SPECIFIC OUTCOMES(PSOs)

NAME OF THE PROGRAM	PSO LEVEL	OUTCOMES
B.Sc. COMPUTER SCIENCE	PSO1	Knowledge of computing, mathematics, and basic computer sciences having to be relevant and suitable to the computer science domain
	PSO2	Ability to design, implement, and evaluate computer-based system, or program to meet desired design needs
	PSO3	Ability to use current techniques, skills, and tools necessary for computing practices
	PSO4	Ability to pursue the local and global impact of computing technology
	PSO5	Ability to use and apply current Information technical concepts and practices



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DEPARTMENT OF ECONOMICS

UG PROGRAMME: B.A. ECONOMICS

PROGRAMME CODE: UEC

PROGRAMME OUTCOMES (POs)

NAME OF THE PROGRAM	PO LEVEL	OUTCOMES
B.A. ECONOMICS	PO1	Knowledge of Economics: Ability to understand Economic Theories and functioning of Economic Models. To develop an adequate Competency in the Economic Theory and Methods.
	PO2	Analytical Reasoning and Critical Thinking: Critically analyze and assess the way in which economists examine the real world to Understand the current events and evaluate specific proposals.
	PO3	Logical Reasoning and Quantitative Ability: Ability to understand how to collect and analyzed at a and use empirical evidence to Evaluate the validity of hypothesis, using Quantitative Methodology and conduct data analysis to interpret results.
	PO4	Communication and Research Skills: Communication and Research related skills. Developing a sense of capability for Relevant/appropriate inquiry and asking questions, synthesising and articulating and reporting results and to efficiently communicate thoughts and ideas in a clear and concise manner.
	PO5	Gender, Environmental and Sustainability: Comprehend the Environmental issues and Sustainable Development and strive to Achieving economic and social equity for women and be Gender Sensitive.



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PROGRAMME SPECIFIC OUTCOMES (PSOs)

NAME OF THE PROGRAM	PSO LEVEL	OUTCOMES
B.A.ECONOMICS	PSO1	To enable students to apply basic microeconomic, macroeconomic and monetary concepts and theories in real life and decision making.
	PSO2	To sensitize students to various economic issues related to Development, Growth, International Economics Sustainable Development and Environment.
	PSO3	To familiarize students to the concepts and theories related to Economics, Econometrics, Statistics, Mathematics, Finance, Investment and Marketing.
	PSO4	Evaluate various social and economic problems in the society and develop answer to the problems as global citizens.
	PSO5	Enhance skills of analytical and critical thinking to analyze Effectiveness of economic policies.



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DEPARTMENT OF ENGLISH

UG PROGRAMME: B.A. ENGLISH

PROGRAMME CODE: UEL

PROGRAMME OUTCOMES (PO)

NAME OF THE PROGRAM	PO LEVEL	OUTCOMES
B.A. ENGLISH	PO1	Students learn to appreciate, interpret and evaluate literature.
	PO2	Students are enabled to write analytically in varied genres.
	PO3	Students become familiar with the latest trends in language and linguistics.
	PO4	Students become exposed to advanced grammatical patterns.
	PO5	Students are empowered to adapt literary texts to particular audiences and purposes.



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PROGRAMME SPECIFIC OUTCOMES (PSO)

NAME OF THE PROGRAM	PSO LEVEL	OUTCOMES
B.A. ENGLISH	PSO1	Equip students with the necessary micro and macro-English language skills for effective communication.
	PSO2	Develop the acumen to read, appreciate and explore the nuances of meaning in a text.
	PSO3	Exposes students to different genres from a broad range of periods.
	PSO4	Instils in students a multicultural outlook.
	PSO5	Inspires self-directed learning based on ethical principles, leading to a holistic vision.



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DEPARTMENT OF GEOGRAPHY

UG PROGRAMME: B.Sc. GEOGRAPHY

PROGRAMME CODE: UGE

PROGRAMME OUTCOMES (POs)

NAME OF THE PROGRAM	PO LEVEL	OUTCOMES
B.Sc. GEOGRAPHY	PO1	Recognize the connecting principles of human and physical geography.
	PO2	Understand the discipline's many conceptual and methodological methods.
	PO3	Identify, characterize, and explain spatial patterns and structures, as well as the interactions between people and places and nature and civilization.
	PO4	Participate in independent and lifelong learning in the context of socio-technological development.
	PO5	Recognize various value systems, including one's own, as well as the moral elements of actions, and accept responsibility for them.



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PROGRAMME SPECIFIC OUTCOMES (PSOs)

NAME OF THE PROGRAM	PSO LEVEL	OUTCOMES
B.Sc. GEOGRAPHY	PSO1	Understand the world's major biophysical and social patterns, as well as the key causes that give rise to those patterns.
	PSO2	Apply geographical information in everyday life.
	PSO3	Demonstrating an awareness for the plurality of opinions, worldviews, and cultures.
	PSO4	Demonstrating societal understanding and accountability.
	PSO5	Demonstrate good communication of concepts and problems to both scientific and general audiences.



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DEPARTMENT OF HISTORY

UG PROGRAMME: B.A. HISTORY

PROGRAMME CODE: UHI

PROGRAMME OUTCOMES (POs)

NAME OF THE PROGRAM	PO LEVEL	OUTCOMES
B.A. HISTORY	PO1	Disciplinary Knowledge Develop comprehensive knowledge and understanding of the discipline of history at the undergraduate level.
	PO2	Communication Skills Communicate with Clarity and fluency their knowledge of the subject; express their ideas and views in the Writing and orally.
	PO3	Critical Thinking, Analytical Reasoning and Problem Solving Critically analyse, examine and evaluate the various issues with a clear and analytical mind based on facts and evidences; apply one's learning to real life situations ,analyse and synthesize data from a variety of sources; draw; valid conclusions
	PO4	Information/ Digital Literacy and Research- related skills Demonstrate ability to use ICT tools. Raise relevant questions, recognise cause and effect relationships, define problems, formulate hypotheses, ability to plan, execute and report the results.
	PO5	Multicultural Competence Understand various cultures, appreciate their values; acquire a global perspective to equip them to work in a multicultural environment.



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PROGRAMME SPECIFIC OUTCOMES(PSOs)

NAME OF THE PROGRAM	PSO LEVEL	OUTCOMES
B.A.HISTORY	PSO 1	Domain Knowledge Explain the Meaning of History, identify the sources, discuss the historical events and processes.
	PSO 2	Communication, Entrepreneurial and Employable skills Communicate effectively both oral and written, and use ICT tools. Acquisition of entrepreneurial and employability skills
	PSO 3	Critical Thinking, Analytical Reasoning and Problem Solving Approach various issues with a critical and analytical mind for viable solutions.
	PSO 4	Contribution to Higher learning Acquire the knowledge and skills to pursue higher studies in the domain and other allied disciplines
	PSO 5	Contribution to Society Contribute to the development of society due to understanding of the historical roots and context of the various social, environmental, human rights, women's and others issues faced by humanity.



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DEPARTMENT OF MATHEMATICS

UG PROGRAMME: B.Sc. MATHEMATICS

PROGRAMME CODE: UMA

PROGRAMME OUTCOMES (POs)

NAME OF THE PROGRAM	PO LEVEL	OUTCOMES
B.Sc. MATHEMATICS	PO1	Ability to acquire in-depth knowledge of several branches of mathematics which in turn leads to study of related areas like computer science and physical science. Thus, this Program helps learners in building a solid foundation for higher studies in mathematics.
	PO2	Able to present mathematics clearly and precisely, make vague ideas precise by formulating them in the language of mathematics, describe mathematical ideas from multiple perspectives and explain fundamental concepts of mathematics to non-mathematicians
	PO3	Able to present mathematics clearly and precisely, make vague ideas precise by formulating them in the language of mathematics, describe mathematical ideas from multiple perspectives and explain fundamental concepts of mathematics to non-mathematicians
	PO4	Utilize mathematics to solve theoretical and applied problems by critical understanding, analysis and synthesis. Ability to analyse, interpret and draw conclusions from quantitative and qualitative data; and critically evaluate ideas, evidence, and experiences from an open minded and reasoned perspective.
	PO5	Ability to share ideas and insights while seeking and benefitting from knowledge and to communicate mathematics effectively by written, computational and graphic means. This helps them to learn behave responsibly in a rapidly changing interdependent society.



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B.Sc. MATHEMATICS	PSO1	A student should be able to recall basic facts about mathematics and should be able to display knowledge of conventions like notations, terminology.
	PSO2	A student should get adequate exposure to global and local concerns that explore them many aspects of mathematical sciences.
	PSO3	Student is equipped with mathematical modelling ability, problem solving skills, creative talent and power of communication necessary for various kinds of employment.
	PSO4	Student should be able to apply their skills and knowledge and education to translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.
	PSO5	Enabling students to develop an attractive attitude towards mathematics as an interesting and valuable subject of study



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DEPARTMENT OF PHYSICS

UG PROGRAMME: B.Sc.PHYSICS

COURSE CODE: UPH

PROGRAMME OUTCOMES(POs)

NAME OF THE PROGRAMME	PO LEVEL	OUTCOMES
B.Sc.PHYSICS	PO1	Disciplinary knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate programme of study
	PO2	Ability to express thoughts and ideas effectively in writing and orally communicate with others using appropriate media; confidently share one's views and express herself/himself; demonstrate the ability to listen carefully; read and write analytically and present complex information in a clear and concise manner to different groups.
	PO3	Capability to apply the analytic thought to a body of knowledge; analyse and evaluate the proofs, arguments, claims, beliefs on the basis of empirical evidences; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following scientific approach.
	PO4	Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples, and addressing opposing viewpoints.
	PO5	Ability to work effectively and respectfully with diverse teams; facilitate cooperative or coordinated effort on the part of a group, and act together as a group or a team in the interests of a common cause and work efficiently as a member of a team



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PROGRAMME SPECIFIC OUTCOMES (PSOs)

NAME OF THE PROGRAMME	PSO LEVEL	OUTCOMES
B.Sc.PHYSICS	PSO1:	To prepare the students who will demonstrate respectful engagement with others ideas, behaviours, and beliefs and apply diverse frames of reference to decisions and actions.
	PSO 2	To create effective entrepreneurs by enhancing their critical thinking, problem solving, decision making and leadership skill that will facilitate start-ups and high potential organizations.
	PSO3	Design and implement HR systems and practices grounded in researches that comply with employment laws, leading the organization towards growth and development.
	PSO4	To produce employable, ethical and innovative professionals to sustain in the dynamic business world.
	PSO5	To contribute to the development of the society by collaborating with stakeholders for mutual benefit.



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DEPARTMENT OF STATISTICS

UG PROGRAMME: B.Sc. STATISTICS

PROGRAMME CODE: UST

PROGRAMME OUTCOMES (POs)

NAME OF THE PROGRAM	PO LEVEL	OUTCOMES
B.Sc. STATISTICS	PO1	Students are to be passionately engaged in initial learning with an aim to think differently as agents of new knowledge, understanding and applying new ideas in order to acquire employability/self employment.
	PO2	Adopt conceptual ideas, principles and methods in diversified fields of study
	PO3	Utilize analytical skills for basic mathematical computation
	PO4	Utilize software skills for statistical computation
	PO5	Students are to be imparted with a broad conceptual background in Statistics



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PROGRAMME SPECIFIC OUTCOMES (PSOs)

NAME OF THE PROGRAM	PSO LEVEL	OUTCOMES
B.Sc. STATISTICS	PSO1	Comprehend the theoretical aspects of statistics
	PSO2	Recognize the application of statistics in diversified fields
	PSO3	Develop computer programs and codes for statistical computation
	PSO4	Understand the conditions and limitations of statistical methods in application
	PSO5	Critically analyze statistical data and make interpretations



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DEPARTMENT OF TAMIL

UG PROGRAMME: B.A TAMIL

PROGRAMME CODE: UTL

PROGRAMME OUTCOMES (POs)

NAME OF THE PROGRAM	PO LEVEL	OUTCOMES
B.A TAMIL	PO1	தமிழுத்தத் அடெதெடுதளு ம்முபுளவார
	PO2	ெழநதமழ இலுகயயுதள நடெடைா அந் புளவார
	PO3	அலுகயதத் யத்ெ பரிந் புளவார.
	PO4	ரைபராரநதெதடெபுதளும்ெதெடெொ மமதலெப்வார
	PO5	இலுகயததத வாழஅயயல ுதடெபடு அிப்வார



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DEPARTMENT OF VISUAL COMMUNICATION

UG PROGRAMME: B.Sc.VISUAL COMMUNICATION PROGRAMME CODE:UVC:

PROGRAMME OUTCOMES(POs)

NAME OF THE PROGRAMME	PO LEVEL	OUTCOMES
B.Sc.VISUAL COMMUNICATION	PO1	Knowledge about Communication, culture, society and media effects: Ability to understand the process of communication and to understand the relationship between media, culture and society. To be able to identify the effects of media.
	PO2	Logical, Analytical Reasoning and Critical Thinking: Critically analyze and assess the way in which media industry works, the process involved from conceptualisation to visualisation. Using creative skills to conceptualise ideas.
	PO3	Media Writing Skills and Social Responsibilities: To be able to clearly communicate various media content and discuss issues related to development and society. Comprehend the Environmental issues and Sustainable Development and use media effectively to bring economic and social equity for women and gender sensitiveness.
	PO4	Digital Literacy and Lifelong Learning: Capability to use ICT tools and digital media technologies in a variety of learning situation and use appropriate software for creating content. Ability to use these technologies, use them ethically and update for lifelong learning.



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	PO5	Employability and Leadership Skills: Become empowered individuals to be employed in various positions in the media industry, academia and research and have the potential to become Media Entrepreneurs and take leadership roles in their chosen occupations and communities.
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PROGRAMME SPECIFIC OUTCOMES(PSOs)

NAME OF THE PROGRAMME	PSO LEVEL	OUTCOMES
B.Sc.VISUAL COMMUNICATION	PSO1	To enable students to be effective communicators and use critical thinking, imagination, and communication for various creative visualisation.
	PSO2	To sensitize students to various social issues and be able to portray these issues effectively in the content.
	PSO3	To familiarize students to the theories and models of communication and visual analysis and be able to apply the theories while understanding media.
	PSO4	Evaluate the working of various media industry and the technological developments in the field.
	PSO5	Enhance technical skills needed to create and design media content



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DEPARTMENT OF ZOOLOGY

UG PROGRAMME: B.Sc. ZOOLOGY

PROGRAMME CODE: UZO

PROGRAMME OUTCOMES (POs)

NAME OF THE PROGRAM	PO LEVEL	OUTCOMES
B.Sc. ZOOLOGY	PO1	Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate Programme of study
	PO2	Ability to express thoughts and ideas effectively in writing and orally; Communicate with others using appropriate media; confidently share ones Views and express herself/himself; demonstrate the ability to listen carefully, read and write analytically, and present complex information in a clear and concise manner to different groups.
	PO3	Capability to apply analytic thought to a body of knowledge; analyze and evaluate evidence, arguments, claims, beliefs on the basis of empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following scientific approach to knowledge development.
	PO4	Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples, and addressing opposing viewpoints.
	PO5	Ability to analyse interprets and draws conclusions from quantitative/qualitative data; and critically evaluates ideas, evidence and experiences from an open-minded and reasoned perspective.



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PROGRAMME SPECIFIC OUTCOMES (PSOs)

NAME OF THE PROGRAM	PSO LEVEL	OUTCOMES
B.Sc.ZOOLOGY	PSO1	To prepare the students who will demonstrate respectful engagement with other's ideas behaviors, beliefs and apply diverse frames of reference to decisions and actions.
	PSO2	To create effective entrepreneurs by enhancing their critical thinking, problem solving, decision making and leadership skill that will facilitate startups and high potential organizations.
	PSO3	Design and implement HR systems and practices grounded in research that comply with employment laws, leading the organization towards growth and development.
	PSO4	To produce employable, ethical and innovative professionals to sustain in the dynamic business world.
	PSO5	To contribute to the development of the society by collaborating with stakeholders for mutual benefit.