

**Government Degree College**

**TIRUVURU**

**Programme Outcomes (POs)**

**&**

**Programme Specific Outcomes (PSOs)**

| Program Outcomes and Program Specific Outcomes |  |  |   |
|--|--|--|---|
| Programme Code                                 | Programme  | Programme Outcome (POs)  | Programme Specific Outcomes (PSOs)  |
| 36   | <b>B.A. (HEP)</b><br>History, Economics, Political Science | <p><b>PO1: Knowledge Empowerment</b><br/>Exhibit a comprehensive knowledge to recognize, appreciate the developments in the contemporary</p> <p><b>PO2: Skill Enhancement</b><br/>Equipped with skills of creative and critical thinking, evaluate the validity of arguments and draw conclusions. Communicate concepts and information clearly in various formats (oral, visual, written, etc.)</p> <p><b>PO3: Values Enrichment</b><br/>Reflect on one's cultural identity, values and accept heterogeneous cultures.</p> <p><b>PO4: Social Responsibility</b> Extension and promotion of social responsibility, citizenship, community engagement, public health, and safety.</p> | <p><b>History:</b> Students will understand the evolution of man, the development of cultural civilization, the evolution of the polity, and the chronological aspects of History. Studying the past enables the student to comprehend the present age from a broader perspective.</p> <p><b>Economics:</b> Grasp the theories of Economics at micro and macro levels, Indian Economy with its current trends and application of mathematics and statistics in economics, understand Rural Economy, Rural Marketing, and Rural Industrialization. This course enables them to take up entrepreneurship at the micro-level.</p> <p><b>Political Science:</b> Develops and demonstrates academic proficiency in the subfields of Political Theory, Indian Government and Politics, Comparative Government, International Relations, World Constitutions, Human Rights and Public Administration. The student will develop analytical, critical thinking and get orientation towards research skills in Political Science.</p> |

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|----------------|-------------------|--|---|
| 67             | B. Com<br>General | <p><b>PO1: Knowledge Empowerment</b><br/>Knowledgeable in the core disciplines of Commerce, Economics and Business through a number of specializations and practical exposure enable them to face the challenges in the field of Commerce.</p> | <p>Knowledge of major theories and models in key areas motivate them to pursue higher studies/research / face competitive examinations leading to career opportunities.</p>   |
|                |                   | <p><b>PO2: Skill Enhancement</b><br/>Computer and managerial skills give value addition and make them employable.</p>  | <p>Apply critical and analytical skills and methods to identify, analyze and solve complex problems and generate research-based solutions. Use ICT and e-resources to retrieve relevant information in core subjects.</p> |
|                |                   | <p><b>PO3: Values Enrichment</b><br/>Enable them to develop value-based solutions to commerce-related problems</p>   | <p>Progressive learning of various tax issues and tax forms related to individuals enables them to demonstrate knowledge in setting up a computerized set of accounting books.</p>  |
|                |                   | <p><b>PO4: Social Responsibility and Extension</b><br/>Ability to discuss and debate on national and international economic, commercial, and business issues and take effective decisions for the benefit of the society</p>                   | <p>Understand effective domain development of values and the role of accounting in business and society.</p>  |
|                |                   |  | <p>Relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business</p>  |

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|----------------|---------------------|--|--|
| 66             | B. Com<br>Computers | <p><b>PO1: Knowledge Empowerment</b><br/>Knowledgeable in the core disciplines of Commerce, Economics and Business through several specializations and practical exposure enable them to face the challenges in the field of Commerce.</p> <p><b>PO2: Skill Enhancement</b><br/>Computer and managerial skills give value addition and make them employable.</p> <p><b>PO3: Values Enrichment</b><br/>Enable them to develop value-based solutions to commerce-related problems</p> <p><b>PO4: Social Responsibility and Extension</b><br/>Ability to discuss and debate on national and international economic, commercial, and business issues and take effective decisions for the benefit of the society</p> | <p>Knowledge of major theories and models in key areas which motivate them to pursue higher studies/research / face competitive exams like CA, CS, ICWA and other courses.</p> <p>Demonstrate effective and critical decision-making skills</p> <p>Practical skills promise them a bright career as computer professionals, audit assistants, businessmen, entrepreneurs, managers and consultants in financial supporting services sectors.</p> |

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|----------------|--|---|---|
| 52             | <b>B.Sc. (ATZC)</b><br>Aquaculture Technology, Zoology, Chemistry) | <p><b>PO1: Knowledge Empowerment</b><br/>           Empowered with knowledge of basic concepts, principles, cultured species, pond management, disease management and water quality management</p> <p><b>PO2: Skill Enhancement</b><br/>           To emerge as skilful, critical and creative graduates through hands-on experience in the laboratories.</p> <p><b>PO3: Values Enrichment</b><br/>           To develop value-based services through outreach activities.</p> <p><b>PO4: Social Responsibility and Extension</b><br/>           Transform them to become nurturers of Environment and Society.</p> | <p><b>Aquaculture :</b> Aquaculture is culture of all aquatic organisms in controlled conditions. Aquaculture includes culture of fishes, prawns, marine algae, crustacians, edible oysters and pearl oysters. Aquaculture is again divided in to marine aquaculture, freshwater aquaculture and brackish water aquaculture based the nature of water. India is world s second largest producer of aquatic products . In the culture different types aquatic organism used for culture, pond preparation, diseases, feed manufacturing and ornamental fishes etc are taught</p> <p><b>Zoology:</b> Zoology deals with the origin of life, life in diversified forms, its mysterious ways of functioning the body of organisms, its formation from simplicity to complexity, the precise functioning of cells and genes, the economic importance of various organisms, genetic manipulation for human welfare, the relationship between biotic and abiotic factors, intra and interspecific animal relationships and their interdependency and identification of pathogenic organisms and rectification of different diseases. It creates an aesthetic mindset and calls for conservation.</p> <p><b>Chemistry:</b> Enables students to understand the nature of matter at atomic and molecular levels, their bonding, co-ordination, structures and the physical, chemical properties which is essential in designing processes and analysis in various industries like Pharmaceutical, Chemical, Agricultural, Textile, Petroleum, Cosmetics, Polymer and Chemical Technology etc.</p> |

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|----------------|--|---|---|
| 50             | <b>B.Sc. (MPCs)</b><br>Mathematics,<br>Physics,<br>Computer<br>Science | <p><b>PO1: Knowledge Empowerment</b><br/>           Empowered with knowledge of basic concepts, principles, scientific theories, and their relevance in day-to-day life.</p> <p><b>PO2: Skill Enhancement</b><br/>           To emerge as skilful, critical and creative graduates through hands-on experience in the laboratories.</p> <p><b>PO3: Values Enrichment</b><br/>           To develop value-based services through outreach activities.</p> <p><b>PO4: Social Responsibility and Extension</b><br/>           Transform them to become nurturers of Environment and Society.</p> | <p><b>Mathematics:</b> Ability to apply the knowledge of mathematical concepts, methods and theorems for the derivation and analysis of basic concepts in other disciplines.</p> <p><b>Physics:</b> Able to understand various Physics-based applications in daily life and get motivated to pursue higher studies, research, attempt competitive examinations leading to career opportunities in industries.</p> <p><b>Computer Science:</b> Builds a strong technical base foundation information Technology to face the challenges of the future. Upon completion of the course, students would be able to develop projects effectively and independently and be able to provide simple software solutions to real-life practical problems using related technologies.</p> |

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| 49             | <b>B.Sc. (B.Z.C)</b><br>Botany,<br>Zoology,<br>Chemistry | <p><b>PO1: Knowledge Empowerment</b><br/>           Empowered with knowledge of basic concepts, principles, the scientific theories related to various scientific phenomena and their relevance in day-to-day life with an interdisciplinary approach.</p> <p><b>PO2: Skill Enhancement</b><br/>           Equipped with Skills of observations and logical inferences from scientific experiments.</p> <p><b>PO3: Values Enrichment</b><br/>           Enriched with Values to respect the diversity of life and practice limited use of Natural resources.</p> <p><b>PO4: Social Responsibility and Extension</b><br/>           To be transformed to become Nurturers of Environment and Society.</p> | <p><b>Botany:</b> Enables students to understand Plant Morphology, Physiology, Anatomy, Embryology, Genetics of plants, Plant identification, Plant Ecology and Human welfare, Medicinal values of plants, Pharmacognosy and phytochemistry and development of Organic farming for Sustainable Agriculture.</p> <p><b>Zoology:</b> Zoology deals with the origin of life, life in diversified forms, its mysterious ways of functioning the body of organisms, its formation from simplicity to complexity, the precise functioning of cells and genes, the economic importance of various organisms, genetic manipulation for human welfare, the relationship between biotic and abiotic factors, intra and interspecific animal relationships and their interdependency and identification of pathogenic organisms and rectification of different diseases. It creates an aesthetic mindset and calls for conservation.</p> <p><b>Chemistry:</b> Enables students to understand the nature of matter at atomic and molecular levels, their bonding, co-ordination, structures and the physical, chemical properties which is essential in designing processes and analysis in various industries like Pharmaceutical, Chemical, Agricultural, Textile, Petroleum, Cosmetics, Polymer and Chemical Technology etc.</p> |