



SR & BGNR GOVT. ARTS & SCIENCE COLLEGE
AUTONOMOUS
KHAMMAM - 507002
OUR MOTTO: "ENTER TO LEARN, LEAVE TO SERVE"



PG PROGRAMME OUTCOMES

MSC COMPUTER SCIENCE

Programme Outcomes

- PO1 To apply the knowledge of computer application to find solutions for real-life application.
- PO2 To analyze, design, develop and maintain the software application with latest technologies
- PO3 To utilize skills and knowledge for computing practice with commitment on social, ethical, cyber and legal values.
- PO4 To inculcate employability and entrepreneur skills among students who can develop customized solutions for small to large Enterprises.
- PO5 To provides technology-oriented students with the knowledge and ability to develop creative solutions.
- PO6 To develop skills to learn new technologies
- PO7 To apply computer science theory and software development concepts to construct computing-based solutions.
- PO8 To design and develop computer programs/computer-based systems in the areas related to algorithms, networking, web design, cloud computing, Artificial Intelligence, Mobile applications.

MSC BOTANY

Program Outcomes (PO)	
PO1	To understand the origin and evolution of life on the earth
PO2	It aims to train the student in all the areas of plant sciences
PO3	To acquaint the student to become competent enough in various analytical and technical skills related to plant sciences
PO4	To enable the student to identify various life forms of plants and execute experiments related basic studies an evolution, ecology, developmental biology, Physiology, Biochemistry, Morphology, Anatomy, Reproduction, Genetics, Molecular Biology, Recombinant DNA technology, Microbiology, Plant interaction with micro and insects, and Plant Tissue Culture.
PO4	To develop the habit of identification nomenclature and classification of Magnoliophyta members
PO5	To know the tools and equipment in plant science and to develop scientific knowledge and research attitude with novel ideas
PO6	The students may apply acquired knowledge of botany in semester exams will be applied to appear UGC-CSIR joint fellowship exams, NET, SET and GATE.

PO7	The practical knowledge through field study and laboratory work will be more useful in innovative ideas to carryout quality research.
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MSC CHEMISTRY

Program Outcomes

After successful completion of M.Sc. Chemistry program with Organic Chemistry specialization a student should be able to

- Learn the organic chemistry along with necessary concepts of Inorganic and Physical chemistry.
- Learn the synthesis and properties of organic compounds.
- Propose the synthetic routes for organic molecules with appropriate reagents.
- Solve the reaction mechanisms and assign the final product.
- Determine molecular structure by using Spectral studies.
- Synthesis of Natural products and drugs by using proper reagents.
- Study of Asymmetric synthesis.
- Understand the concepts of Medicinal chemistry.

MSC ECONOMICS

Program Outcomes: (PO)

- PO1** To create, apply and disseminate knowledge of Economics in theoretical domains under different specializations
- PO2** To develop the ability to identify, formulate, analyse and understand the economic theories in theoretical and application domains of economics at both curricular and research level through critical thinking.
- PO3** To enable the students to apply ICT based applications of economics through scientific software like SPSS to use in academics.
- PO4** To encourage research culture, provide research ambience and develop related technical proficiency.
- PO5** To develop attitude to pursue further research & finding placement avenues through it.
- PO6** To inculcate academic and social ethical values among the students.

MSC PHYSICS

Program Outcomes (PO)

- PO1** To create, apply, and disseminate knowledge of physics in theoretical and experimental domains under different specializations.
- PO2** To develop the ability to identify, formulate, analyze and solve problems in theoretical and experimental domains of physics at both curricular and research level through critical thinking.
- PO3** To enable students to apply ICT based skills and making them scientific software literate to use in academics.
- PO4** To encourage research culture, provide research ambience and develop related technical proficiency.
- PO5** To develop attitude to pursue further research and finding placement avenues through it.
- PO6** To inculcate academic and social ethical values among the students

MSC ZOOLOGY

Programme Outcomes

- Understand the biological diversity and grades of complexity of various animal forms through their systematic classification and comparative structural studies.
- Understand the applications of Biological techniques to various fields of biology.
- Understand the concepts and principles of biochemistry, immunology, physiology, ethology, endocrinology, developmental biology, cell biology, genetics, molecular biology and microbiology.
- Distinguish between the Structure, Function, Behaviour and evolution of different animals.
- Apply the wide range of subject based skills to various fields that provide a base for future career in disciplines such as Fisheries and Aquaculture, Environmental Management,

Biotechnology, Publishing, Teaching and Research.

- Develop technical skills in animal biotechnology, bioinformatics and biostatistics.
- Perform, Assess and implement practical techniques and procedure to solve biological problems and analyse and quantify data collected during any project.
- Perform laboratory procedures as per standard protocols in the areas of animal diversity, systematics, cell biology, genetics, biochemistry, molecular biology, microbiology, physiology, ethology, immunology, developmental biology, environmental biology, evolution and endocrinology.