

Programme Specific outcomes

B.A.(History, Economics, Political Science)

PSO 1 :

To Understand the basic concepts of historical movements , development of cultural civilization . Students are studying past history enables the student to comprehend the present age in a broader perspective. Understand the literary terms and movements across various cultures and periods of literary History .

PSO 2 :

To analyze the economic importance of various sectors like Agriculture , Industry and Service sector of different administration levels. To understand the basic concepts of Income inequalities , poverty , Unemployment , Importance of National and International trade , present relevant policies . To understand the population Equal Sustainable utilization of Environment and Economical Recourses.

PSO 3 :

To Understand develop and demonstrate academic proficiency in the subfields of political theory , Contemporary Global Issues , Indian Government and politics ,International Relations , Human rights and public administration. The students will develop critical thinking and have orientation towards research skills in political science .

PSO 4:

To promote values such as sustainable development, Optimum utilization of resources, patriotism, respecting the ideals of freedom struggle and responsible citizenship, political participation and socialization. To provide life skills required for gainful employment by using domain knowledge such as Economic Service, Historians/ History writing and bureaucrats at various levels.

PROGRAMME SPECIFIC OUT COMES

B.Sc. (BBC) (Biotechnology, Botany, Chemistry)

PSO 1: understand the basic concepts of Biotechnology, Botany and Chemistry

PSO 2 :To utilize all the techniques of applied life science Biotechnology in the fields of Pharmaceutical, Animal tissue culture, Plant tissue culture, Immunological ,Genetic engineering and Bioinformatical laboratories .Knowledge about the productions of Biofertilizers and Waste Management techniques useful for Environmental management. Understanding about Recombinant DNA technology useful for production of transgenic plants and Animals. Trained students to various biotechnological tools empowered to do Biological Research.

PSO 3: To understand the application of biological sciences in Horticulture, Genetic engineering and Biotechnology. To analyze the taxonomic range of various life forms as per their external characters and internal chemical constitutions. To understand the principles of origin of life and its evolutionary trends, Microbial diversity, chemical theory related to origin of life. To gain knowledge upon Environmental factors effects on plant growth regulations phytogeographical distributions of plants and conservation methods of Biodiversity.

PSO 4 : To develop interest among students in various branches of chemistry .Students able to analyze spectroscopy, Chromatography in various industries like pharmaceutical, chemical, agriculture textiles, Petroleum cosmetics, polymers and chemical technology and advance techniques in Nano chemistry

PROGRAMME SPECIFIC OUT COME

B.COM (Computer Applications)

PSO1: It provides job opportunities in the software industries

PSO2: It also provides job opportunities in the field of stock markets , banking field , e-commerce based jobs, probationary officers and loans collection officers in various banks

PSO3: They also eligible for teaching posts in schools and colleges and also eligible to write Net or Set Exam

PSO4: It gives reputed job opportunity to a student of B.com (CA) in the Computer field

PROGRAMME SPECIFIC OUT COME

B.COM (GENERAL)

PSO1: It provides progressive learning of different tax issues and computerized Accounting Patterns

PSO2: Students able to explain the advanced values and role of Commerce in the society

PSO3: Students gain knowledge on different career skills to catch an Employment in a business field.

PSO4: It Provides Knowledge to learn number of value based and job oriented Course relating to Commerce and finance background modified with day to day need based demand .

PSO 5 : It Provides Knowledge about Commerce and Finance

D.R.W. COLLEGE (AUTONOMOUS) :: GUDUR

DEPARTMENT OF COMPUTER SCIENCE

BSC(H) PROGRAM SPECIFIC OUTCOMES (PSO'S)

- PSO 1:** The computer science graduates study the analysis, design, developments of software and hardware used to solve real world problems in a variety of scientific, business and social aspects.
- PSO 2:** The student can be able to apply various mathematical methodologies to solve modern real world problems by using appropriate and suitable algorithms.
- PSO 3:** To make the student for creating high quality computing skills and computing drives innovation in the science and other areas.
- PSO 4:** The student can be able to use computer knowledge in various domains to discover the new ideas in research and make the evolutionary changes in computing.

PROGRAMME SPECIFIC OUTCOMES

B.sc B.Z.C. (Botany, Zoology, Chemistry)

PSO 1: Understand the basic concepts of Botany, zoology and chemistry.

PSO 2: Understand the application of biological sciences in Horticulture, genetic Engineering and Biotechnology. To Analysis the Taxonomic Range of Various Life Forms As Per Their External Characters And Internal Chemical Constitutions .To Understand the Principles of Origin of Life and Its Evolutionary Trends, Microbial Diversity, Chemical Theory Related to Origin of Life. To Gain Knowledge on Environmental Factors Effects on Plant Growth Regulation and phytogeographical Distributions of plants and conservations methods of biodiversity.

PSO3: Perform procedures as per laboratory Standards in the area of cell biology, genetics, Physiology, ecology, Embryology and Aquaculture. Understand anatomy of Invertebrates & vertebrates. Understand the Various animal species based on phylum. Acquire basic Knowledge and skills in certain applied branches to enable them for Self employment.Students gain Knowledge and skills in the fundamentals of animal science; understand the complex interactions among various Living organisms.

PSO4:To develop interest among students in various branches of Chemistry students able to analyze Spectroscopy, chromatography, in various industries like Pharmaceutical , chemical ,Agriculture textiles Petroleum cosmetics, polymers and chemical technology and advanced Techniques in nano Chemistry.

PROGRAMME SPECIFIC OUTCOMES

B.SC. C.P.Z (Chemistry,physics,zoology)

PSO 1 : Understand the basic concept of chemistry, physics and zoology.

PSO 2 : To develop interest among students in various branches of chemistry. students able to analyze Spectroscopy, chromatography in various industries like pharmaceutical, chemical, agriculture textiles, Petroleum ,cosmetics ,polymers and chemical technology and advanced techniques in Nano chemistry.

PSO 3 : Able to understand various physics –based application in daily life and get motivated to pursue higher studies research, attempt competitive examinations leading to career opportunities in Industries. Students will gain knowledge of principles and applications of physics in various fields.

PSO 4 : Perform procedures as per laboratory standards in the area of cell biology ,genetics, physiology ,ecology, embryology and Aquaculture .understand anatomy of invertebrates & vertebrates understand the various animal species based on phylum. Acquire basic knowledge and skills in certain applied branches to enable them for self employment Students gain knowledge and skills in the fundamentals of animals sciences , understands the complex interactions among various living organisms

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PROGRAMME SPECIFIC OUT COMES

B.Sc. (Food technology and Management)

PSO 1: To analyze nutrients of Food, Food quality. To study Food processing, Food preservation and Food packaging

PSO 2: To understand about chemical structure of Food, Types of Food additives and microbiological contamination of Food. To understand about Fermentation, Fermented food and Sensory evaluation.

PSO 3: To practice the techniques of Baking Science and Food preservation for Self employment

PSO 4: To study the utilization of different wastes from Food processing Industries.

PSO 5: Students able to get knowledge on packaging machinery, principles of marketing, Basics of supply chain management and also develops production and operation skills .

PSO 6 : To determine the appropriateness of different methods of solving mathematical problems and can solve practical problems in a range of areas of mathematics.

PSO 7: To analyze the economic importance of various sectors like Agriculture, Industry and service sector of different administration levels .To understand the basics concepts of income inequalities, Poverty, Unemployment, Importance of National and International Trade, present relevant policies. To understand the population Equal sustainable utilization of Environment and Economical Recourses.

Programme Specific out comes

B.Sc. M.C.S. (Mathematics, Computer Science ,Statistics)

- PSO1:** Student develops problem solving skills and methods and develops logical tools and modules used to solve various real life problems and after pursuing B.Sc, with maths students must able to show mathematical contentions, conclusions with clarity and accuracy.
- PSO2:** Apply and analyze data using concepts of probability, statistical models, sampling theory, experimental designs, statistical quality control, reliability, optimization techniques, Indian official statistics and vital statistics with modern applied statistical tools and techniques both in learning and research.
- PSO3:** Ability to design and develop software applications to address real time problems using programming languages, Databases, operating systems, and computer network concepts.

Programme Specific out comes

B.Sc.M.P.C (Mathematics,Physics,Chemistry)

PSO1: Student develops problem solving skills and methods and develops logical tools and modules used to solve various real life problems and after pursuing B.Sc with maths students most able to show mathematical contentions, conclusions with clarity and accuracy.

PSO2: Able to understand various physics –based application in daily life and get motivated to pursue higher studies research, attempt competitive examinations leading to career opportunities in industries. Students will gain knowledge of principles and applications of physics in various fields.

PSO3: To develop interest among students in various branches of chemistry. To impart essential theoretical knowledge on nature of matter at atomic molecular levels, their bonding co-ordination structure and physical chemical properties which are essential in the process of drug designing and to learn about natural product isolation.

Program Specific outcomes

B.Sc. M.P.E. (Mathematics, Physics ,Electronics)

GENERAL DEGREE: M.P.E

PSO1: Student develops problem solving skills , methods , develops logical tools and modules used to solve various real life problems and after pursuing B.Sc, with maths students must able to show mathematical contentions, conclusions with clarity and accuracy.

PSO2: Able to understand various physics based applications in daily life and get motivated to pursue higher studies research, attempt competitive examination leading to carrier opportunities in industries, students will gain knowledge of principles and applications of physics in various fields.

PSO3: Analyze the skills to develop the technology by using various electronic components to explore the communication system, micro processor and micro controller and understand the design tools of internet.

PROGRAMME SPECIFIC OUT COMES

B.Sc MATHS (HONOURS)

PSO1: After pursuing B.Sc Maths (Honors) students must be able to show mathematical contentions, conclusions with clarity and accuracy. Able to analyze and interpret outputs and generate new ideas based on the outputs.

PSO2: To determine the appropriateness of different methods of solving mathematical problems and solve practical problems in a range of areas of mathematics. Able to apply the knowledge of mathematical science to solve real life problems.

PSO3: Able to recognize and learn the importance of life-long learning. This course builds up a comprehension of analytical skills and purposeful abilities and competences in mathematics.

PSO4: Students will be able to study theoretical concepts of Mathematics, Computer science and statistical in a quantitative way. Developing the ability to pursue advanced studies related to Applied Mathematics, Pure Mathematics and Computer Applications is a major outcome of the B.Sc. Mathematics Honours Course.

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DEPARTMENT OF COMPUTER SCIENCE

M.C.A. PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Ability to design a system, component or process to meet desire with in realistic constraints such as economic, environmental, societal and environmental considerations.

PSO2: Obtaining the knowledge of mathematics, scientific, fundamentals to the solution of complex problems for reaching sustained conclusions.

PSO3: Applying appropriate techniques, resources and the modern IT tools such as modeling and prediction to complex activities with an understanding of limitations.

PSO4: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PSO5: Ability to Function effectively as an individual and as a member in diverse team and in multidisciplinary setting.

PSO6: Understanding the scientific and computerized principles and applying these in the development and managing the projects in multidisciplinary fields.

PROGRAMME SPECIFIC OUT COMES

M.Sc. Mathematics

PSO1: Students will have knowledge and understanding of core areas of pure mathematics.

PSO2: Students will be able to learn theoretical concepts of mathematical, physical and statistical in a quantitative way.

PSO3: To Understand the applications of mathematical analysis, geometry, algebra, discrete mathematics, Mechanics and operations research.

PSO4: To motivate and communicate complex ideas accurately using a range of formats.

PSO5: To identify and benefit from opportunities for personal and carrier development.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

M.Sc.CHEMISTRY

PSO :1 Enable students to understand the nature of matter at atomic and molecular levels.

PSO :2 To Understand their bonding, Co-ordination, structures and the physical, chemical properties which is essential in drug designing processes.

PSO:3 Isolation and occurrences of natural products, spectroscopy, chromatography Analysis in various industries like pharmaceutical, chemical, Agricultural, textiles, petroleum, cosmetics, polymers and chemical technology.

PROGRAMME SPECIFIC OUTCOMES (PSOS)

M.Sc (Physics)

PSO1: The programme inculcate interest among students about various applications of physics in daily life.

PSO 2 :The program also aims at equipping future teachers and research scholars in physics.

PSO3: Understanding the basic concepts of physics particularly concepts in Classical mechanics, Quantum mechanics, Statistical mechanics, Atomic and molecular physics, analog and digital electronics.

PSO 4 :Learn to carryout experiments in basic as well as certain advanced areas of physics such as condensed matter physics, Nanotechnology, Nuclear and particle physics.

DEPARTMENT OF MANAGEMENT STUDIES

PROGRAM SPECIFIC OUTCOMES

PSO 1 : Able to communicate effectively and function efficiently in different specializations of management and develops entrepreneurial skills to provide innovative solutions for the needs of mankind.

PSO 2 : Young Managers gets the ability to flourish employability skills with a sense of responsibility where they are employed.