

Programme Specific Outcomes

B.Com Program

PSO 1. Commercial Knowledge:

Demonstrate interest in and at least a basic understanding of the business world and the industry the students desires to work within. The program also helps to be aware commercially, to incorporate key commercial skills and demonstrate value for understanding the business performance in the market.

PSO 2. Problem analysis and modern tools usage:

Demonstrate a logical sequence for problem solving and improving the quality of decisions by using modern tools like PERT, CPM in the management of projects.

PSO 3. Commerce and society:

Understand the values that help to increase the standard of living and quality of life by expanding and modernization of aids to trade and techniques for decision making.

Hence the B.Com graduates can pursue post graduation studies in the stream of commerce and eligible for certificate courses of any discipline and also can prove themselves by appearing for any competitive exams.

PROGRAMME SPECIFIC OUTCOMES

B.Sc –Mathematics, Physics, Chemistry (MPC)

PSO 1: To understand the interdisciplinary nature of mathematics and to integrate knowledge of Physics, Chemistry and other disciplines to a wide variety of Mathematical problems and also create interest towards the area of research.

PSO 2: Be able to demonstrate basic knowledge in the core areas of Physics (Classical Mechanics, Waves & Acoustics, Optics & Lasers, Thermodynamics, Electricity Magnetism & Electronics, and Modern Physics). Be versatile in laboratory techniques in using modern as well as conventional apparatus.

PSO 3: Be able to demonstrate basic knowledge in the core areas of Chemistry (Analytical, Inorganic, Organic, Physical, Pharmaceutical and Green Chemistry). Be versatile in classical laboratory techniques, use of instrumental methods for analysis as well as synthesis and follow standardized procedures and regulations in handling and disposal of chemicals.

PROGRAMME SPECIFIC OUTCOMES

B.Sc –Mathematics, Physics, Computer Science (MPCs)

PSO 1: Effectively utilizing the knowledge of computing principles and Mathematics theory to develop sustainable solutions to current and future computing problems and also knowledge of general Physics like sound, wave mechanics, friction, forces and laws of motion and use of mathematics and also create interest towards the area of research.

PSO 2: Be able to demonstrate basic knowledge in the core areas of Physics (Classical Mechanics, Waves & Acoustics, Optics & Lasers, Thermodynamics, Electricity Magnetism & Electronics, and Modern Physics). Be versatile in laboratory techniques in using modern as well as conventional apparatus.

PSO 3: The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, and multimedia and big data analytics for efficient design of computer-based systems of varying complexity. They develop the ability to employ modern platforms in creating innovative career paths to be an entrepreneur and a zest for higher studies.

PROGRAMME SPECIFIC OUTCOMES

B.Sc –Mathematics, Statistics, Computer Science (MSCs)

PSO 1: Create, select and supply appropriate techniques, resources and modern technology in multidisciplinary environment and also able to setup mathematical models of real world problems and obtain solutions in structured and analytical approaches with independent judgment and also create interest towards the area of research.

PSO 2: Acquire knowledge about the theory of statistics with Computer Science as one of the subject in graduation level, the students have research empower in any discipline like engineering, management, bio- sciences, finance etc,. It leads to the students as a data scientist.

PSO 3: The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, and multimedia and big data analytics for efficient design of computer-based systems of varying complexity. They develop the ability to employ modern platforms in creating innovative career paths to be an entrepreneur and a zest for higher studies.

PROGRAMME SPECIFIC OUTCOMES

B.Sc –Mathematics, Electronics, Computer Science (MECs)

PSO1 : An ability to apply mathematical foundations, algorithmic principles and computer science theory in the modeling and design of computer based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices and create interest towards the area of research.

PSO2 : Students equip themselves with embedded knowledge of hardware and software. The course will enrich the students with a comprehensive understanding of basic circuits to advanced emerging technologies of the Electronics industry that makes him a successful technocrat.

PSO3 : The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, and multimedia and big data analytics for efficient design of computer-based systems of varying complexity. They develop the ability to employ modern platforms in creating innovative career paths to be an entrepreneur and a zest for higher studies.

PROGRAMME SPECIFIC OUTCOMES

B.Sc –Microbiology, Biotechnology, Biochemistry (MB.BT.BC)

PSO 1: To understand the multidisciplinary nature of Biotechnology and apply knowledge, to solve identify, analyse, design, perform experiments and interpret data for investigating complex problems in biotechnology justifying societal, health, safety and legal issues related to biotechnological and pharmaceutical practices.

PSO 2: Understand the basic concepts of microbiology by emphasizing the morphology and physiology of microorganisms, role of microorganisms in ecosystem function and health related issues in addition to skill in aseptic procedures, isolation and identification.

PSO 3: Describe, discriminate and identify biomolecules found in nature by performing qualitative and quantitative analysis. Understand the integration of metabolic processes and human physiology implicit the knowledge in their daily life.

PSO 4: Developing academically sound future researchers and intellectuals in the applied aspects of Microbiology, Biotechnology and Biochemistry, who are qualified, employable and contributes the knowledge for Nation building.

PROGRAMME SPECIFIC OUTCOMES

CIVIL ENGINEERING DEPARTMENT

1. **PSO-1:** Graduates of Civil Engineering Department should be able to identify, resolve and provide solutions for Engineering Problems.
2. **PSO-2:** Graduates should be able to communicate effectively, use modern tools for cost effective solutions and have environmental consciousness.
3. **PSO-3:** Develop Engineers with ability to work in multi-disciplinary environment and have interest in lifelong learning.

PROGRAMME SPECIFIC OUTCOMES

COMPUTER SCIENCE ENGINEERING

- 1) PSO 1: System Inception and Elaboration: Conceptualize the software and/or hardware systems, system components and processes/procedures through requirement analysis, Modelling/Design of the system using various architectural/design patterns, Standard Notations, procedures and algorithms.

- 2) PSO 2: System Construction: Implement the systems, Procedures and Processes using the state of the art technologies, standards, tools and Programming Paradigms.

- 3) PSO 3: System Testing and Deployment: Verify and Validate the Systems, Procedures and Processes using various testing and verification techniques and tools.

- 4) PSO 4: Quality and Maintenance: Manage the quality through various product development strategies under revision, transition and operation through maintainability, flexibility, testability, portability, reusability, interoperability, correctness, reliability, efficiency, integrity and usability to adapt the system to the changing structure and behavior of the systems/environments.

PROGRAM SPECIFIC OUTCOMES

ELECTRONICS AND COMMUNICATION ENGINEERING

The Electronics and Communication Engineering graduate shall demonstrate the following attributes

1. The ability to apply fundamental knowledge of core subjects in design and development of electronic circuits and communication systems.
2. Competence in using electronic modern IT tools (Simulation software's) for design and analysis of complex electronic system for research activities.
3. Adaptability to change in work environment, good inter personal skills and professional ethics.

PROGRAM SPECIFIC OUTCOMES

MECHANICAL ENGINEERING DEPARTMENT

PSO-1: The student will be ready with the requisite basic understanding of the theoretical concepts for effective implementation in manufacturing industries, process industries etc.

PSO-2: The student will be capable of handling complex decision making environment when he/she is in the managerial cadre.

PSO-3: The student will be equipped with entrepreneurial skills for channelizing his/her efforts towards initiating startups.