

Department of Management
Program BBA 2023-24

PDS

Program Objectives

1. To provide knowledge regarding the basic concepts, principles and functions of management.
2. To provide practical industrial exposure to the students to hone their managerial competencies and business acumen while attaining a holistic understanding of a business/industry.
3. To equip the students with knowledge related to qualitative and quantitative techniques for critical thinking and problem solving.
4. To prepare the students to deliver effective oral business presentations using a variety of appropriate technologies and achieve excellence in written communications.
5. To manage a business and develop leadership, team building & entrepreneurial aptitude among the students.

Program Outcomes

1. Apply Managerial Knowledge

Apply principles of management, business concepts, and best practices to solve organizational challenges effectively.

2. Analyze Business Problems

Analyze complex business situations using logical reasoning and decision-making frameworks to develop appropriate solutions.

3. Communicate Effectively

Create and deliver professional business reports, presentations, and messages using oral, written, and digital communication tools.





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4. Evaluate Global Business Dynamics

Evaluate the impact of global economic, social, and cultural factors on business operations to develop strategies for international markets.

5. Demonstrate Leadership

Demonstrate the ability to lead, collaborate, and manage teams effectively in diverse and dynamic organizational settings.

6. Exhibit Ethical Behavior

Assess ethical implications in business decisions and design sustainable practices to address societal and environmental concerns.

7. Utilize Technology

Utilize modern digital tools and technologies to optimize business processes and enhance decision-making efficiency.

8. Develop Entrepreneurial Solutions

Design innovative business models and solutions by identifying opportunities and challenges in entrepreneurial contexts.

9. Conduct Research

Formulate research questions, collect relevant data, and interpret findings to provide actionable business insights.

10. Engage in Lifelong Learning

Reflect on evolving industry trends, and upgrade personal and professional competencies to adapt to the changing business environment.

These outcomes explicitly incorporate measurable actions, making them more structured and aligned with Bloom's Taxonomy levels such as **apply, analyze, evaluate, demonstrate, utilize, and create.**



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B.Sc. HONORS MICROBIOLOGY

Program Educational Objectives (PEOs):

PEO-1: Acquire a strong foundational understanding of core microbiological concepts.

PEO-2: Develop an in-depth knowledge of microbiology and its interconnectedness with allied disciplines.

PEO-3: Understand the application of fundamental microbiological concepts to diverse fields such as medicine, industry, environment, genetics, agriculture, food science, and diagnostics.

PEO-4: Build the ability to critically evaluate and apply microbiological knowledge to address complex industrial and societal challenges.

PEO-5: Cultivate the skills and mindset necessary to pursue a professional career in research or industry and to devise innovative solutions for societal and environmental issues.

Program Outcomes (POs)

A student who earns a B.Sc. in Microbiology is expected to acquire and develop the following competencies during the program:

PO-1: Understand the role of microbes as model systems to study basic biology, genetics, metabolism, and ecology.

PO-2: Identify the role of microbes in disease and apply microbial and immunological methodologies for disease treatment and prevention.

PO-3: Recognize the ubiquitous nature of microbes, their presence across diverse habitats, and their occupation of various ecological niches.

PO-4: Cite examples of the vital roles of microbes in biotechnology, fermentation, medicine, and other industries essential to human well-being.

PO-5: Understand the indispensable role of microbes in the environment, including their involvement in elemental cycles, biodegradation, and other ecological processes.





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PO-6: Demonstrate key practical skills in handling and working with microbes safely and effectively.

PO-7: Apply microbiological knowledge and good practices both in laboratory settings and real-world applications.

PO-8: Attain comprehensive knowledge of microbiology and develop skills to analyze and address problems involving microbes.

PO-9: Assess the elements of a problem, develop logical solutions, and test these solutions based on the best available information.

PO-10: Effectively communicate microbiological concepts and issues with peers, team members, and stakeholders, while undertaking remedial actions or further studies when necessary.



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Department of Journalism and Mass communication

Programme Objectives:

- Students will be able to identify and recall key theories, concepts, and historical developments in journalism and mass communication.
- Students will demonstrate an understanding of the ethical, social, and legal responsibilities in journalism and mass communication.
- Students will apply journalistic principles and communication strategies in real-world scenarios, such as writing news articles, editing, and conducting interviews.
- Students will analyze the impact of media on public opinion, culture, and society by critically evaluating different forms of media content.
- Students will create and produce original content across various media platforms (print, digital, broadcast) using appropriate tools and techniques.
- Students with the skills to assess the quality, credibility, and ethical implications of media content, and to provide constructive feedback on journalistic work and media campaigns.

Programme Outcomes :

- PO1- Students will be able to recall and identify fundamental concepts, theories, and principles of journalism, mass communication, media ethics, and communication models.
- PO2- Students will apply journalistic techniques and communication theories to analyze real-world media situations and produce content across various platforms.
- PO3- Students will critically analyze media content, including news articles, broadcasts, and advertisements, identifying biases, agendas, and the effectiveness of communication.
- PO4- Students will design and produce original media content, such as investigative reports, multimedia projects, and advertising campaigns, combining skills learned in writing, visual storytelling, and digital tools.
- PO5- Students will evaluate the effectiveness and ethical implications of communication practices, identifying the societal impact of media on issues such as public opinion, politics, and cultural norms.
- PO6- Students will synthesize information from multiple sources and create original content across various formats, such as multimedia reports, digital storytelling, and public relations campaigns.



BCA-101 Mathematics-I

OBJECTIVE OF COURSE

The objectives of combinatorial mathematics is

- To demonstrate an understanding of the theory underlying exact approaches
- To combinatorial optimization problems, prove & interpret standard results in graph theory & develop.
- To implement & critically evaluate the correctness and performance of standard graph algorithms and recurrence relations of different orders.

COURSE OUTCOME (Cos)

Upon successful completion of the course, a student will be able to:

CO1: Reason mathematically about basic discrete structures such as numbers, sets, used in computer science.

CO2: Evaluate Group, Ring and Fields and 2D Geometry. CO3: Familiarity with Determinant and Matrices.

CO4: Formulate Limit, Continuity and Differentiability.

CO5: Demonstrate a working knowledge Definite and Indefinite Integrals.

Program Outcomes (POs):

PO1: Apply knowledge of mathematics and computing to solve complex problems.

PO2: Use mathematical tools and algorithms for computation and problem-solving.

PO3: Design and evaluate systems using mathematical and computational principles.

PO4: Analyze and solve problems systematically using mathematical techniques.

PO5: Foster lifelong learning and application of mathematical reasoning.



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OBJECTIVE OF COURSE

The objective of this course are:

- Learn how to solve common types of computing problems.
- Learn data types and control structures of C.
- Learn to map problem to programming features of C.
- Learn to write good portable C programs.

COURSE OUTCOME

Upon successful completion of the course, a student will be able to:

- CO1: Appreciate and understand the working of a digital computer.
 CO2: Analyze a given problem and develop an algorithm to solve the problem.
 CO3: Improve upon a solution to a problem.
 CO4: Use the 'C' language constructs in the right way. CO5: Design, develop and test programs written in 'C'.

Program Outcomes (POs):

- PO1: Apply fundamental programming knowledge to analyze and solve problems using the C language.
 PO2: Identify and define problems systematically and develop efficient solutions using programming constructs.
 PO3: Create structured, efficient, and modular programs for solving computational tasks.
 PO4: Design algorithms and analyze the efficiency of solutions using computational thinking.
 PO5: Use built-in functions and programming tools (e.g., compilers, IDEs) to implement and test programs effectively.
 PO6: Work independently and collaborate in teams to solve programming problems and build projects.
 PO7: Develop the ability to continuously acquire programming knowledge and adapt to emerging technologies.

