



GOVERNMENT GENERAL DEGREE COLLEGE, NARAYANGARH

PROGRAMME OUTCOME (PO)
&
COURSE OUTCOME (CO)

Academic Session 2023-2024

(Based on Curriculum & Credit Framework for Undergraduate Programmes (CCFUP), 2023 & NEP, 2020)

MULTIDISCIPLINARY COURSES (MDC)

SEMESTER – I

MDC-01T: BASICS OF INFORMATION TECHNOLOGY (IT)

PROGRAMME OUTCOME (PO)

The course on Basics of Information Technology (IT) aims to equip students with foundational knowledge and skills in computer science and IT. By the end of this course, students will:

1. Understand the fundamental concepts, terminology, and the historical evolution of computers, enabling a solid grounding in IT basics.
2. Gain a comprehensive understanding of the structure, functioning, and components of a computer system, including hardware and software.
3. Develop proficiency in different number systems, particularly the binary system, which is crucial for understanding computer operations.
4. Learn about the essential hardware components of a computer, such as the CPU, memory, storage devices, input and output devices, and comprehend their purposes and functionalities.
5. Distinguish between various types of software and grasp the objectives and functions of operating systems.
6. Acquire knowledge about data communication and computer networks, and understand their relation to the current internet communication systems.
7. Understand the concepts of data storage hierarchy, data organization, and file organization methods.
8. Gain insights into the emerging trends and technologies in the field of computing, preparing them for future advancements in IT.

MDC-01T: BASICS OF INFORMATION

PROGRAMME SPECIFIC OUTCOME (PSO)

The course "Basics of Information Technology (IT)" is designed to equip students with foundational knowledge and skills in the field of Information Technology. By the end of the program, students will be able to:

PSO1: Demonstrate a clear understanding of the essential concepts, terminology, and history related to computers and IT, including the evolution and different generations of computer technology.

PSO2: Explain the basic structure and functioning of a computer system, including the role and operation of essential hardware components such as the CPU, memory, storage devices, input devices, and output devices.

PSO3: Exhibit proficiency in various number systems, with a strong emphasis on the binary system, enabling accurate data representation and manipulation.

PSO4: Distinguish between different types of software, understand the objectives and functionalities of operating systems, and describe their role in managing computer resources and applications.

PSO5: Understand the principles of data communication, computer networks, and the structure of the current internet communication system, including basic networking concepts and protocols.

PSO6: Explain the data storage hierarchy, methods of data organization, and file organization techniques, ensuring efficient data management and retrieval.

MDC-01T: BASICS OF INFORMATION TECHNOLOGY (IT)

COURSE OUTCOME (CO)

COURSE TITLE: MDC-01: BASICS OF INFORMATION TECHNOLOGY (IT)

The objective of the course **Basics of Information Technology (IT)** is to provide students with a comprehensive understanding of the basic principles, components, and operations of computers. The course aims to equip students with the necessary knowledge and skills to effectively use and work with computers in their personal and professional lives.

MDC-01: BASICS OF INFORMATION TECHNOLOGY (IT)

By the end of the course, students will be able to:

1. Understand the fundamental concepts and terminology related to computers.
2. Trace the history and evolution of computers with different generations of computer technology.
3. Understand the basic structure and functioning of a computer system.
4. Get complete knowledge about different number systems, especially the binary system.
5. Get an idea of the essential hardware components of a computer such as the CPU, memory, storage devices, input devices, and output devices, as well as the purpose and functionality of each component.
6. Distinguish between different types of software and understand the Operating System and its objectives.
7. Understand the concept of data communication and computer networks and relate them to the current internet communication system.
8. Understand the data storage hierarchy, data organization and File organization methods.
9. Learn about the emerging trends and technologies in the field of computing.

MDC-01T: INDIAN CONSTITUTION

PROGRAMME OUTCOME (PO)

The course on the Indian Constitution aims to provide students with a comprehensive understanding of the foundational principles, structures, and functions of the Indian political system. By studying this course, students will:

1. Gain insights into the historical background and the process of the creation of the Indian Constitution, appreciating the philosophical underpinnings and the vision of the founding fathers.
2. Develop a thorough understanding of the Constitution's preamble, fundamental rights, directive principles, and duties, as well as the mechanisms for constitutional remedies available to citizens.
3. Acquire knowledge about the structure, roles, and functions of the Union and State governments, including the executive, legislative, and judicial branches.
4. Understand the judicial review process and the functioning of the Supreme Court and High Courts, along with subordinate courts, enhancing their awareness of the legal framework and its implications on governance and individual rights.
5. Build a foundation for informed and responsible citizenship, fostering a deeper appreciation for democratic values, rights, and duties as enshrined in the Constitution.

MDC-01T: INDIAN CONSTITUTION

PROGRAMME SPECIFIC OUTCOME (PSO)

- PSO1:** Develop a deep understanding of the historical background and the creation process of the Indian Constitution.
- PSO2:** Appreciate the philosophical foundations and the vision of the founding fathers that shaped the Constitution.
- PSO3:** Thoroughly understand the Preamble, Fundamental Rights, Directive Principles of State Policy, and Fundamental Duties.
- PSO4:** Recognize and interpret the constitutional remedies available to citizens for the enforcement of their rights.
- PSO5:** Gain detailed knowledge of the structure, roles, and functions of the Union and State governments.
- PSO6:** Understand the workings of the executive, legislative, and judicial branches at both the Union and State levels.
- PSO7:** Enhance awareness of the legal framework governing the country and its Implications on governance and individual rights.
- PSO8:** Foster a deeper appreciation for democratic values, rights, and duties as enshrined in the Constitution, promoting active and engaged participation in the democratic process.

MDC-01T: INDIAN CONSTITUTION

COURSE OUTCOME (CO)

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

CO1: Explain the historical background and philosophical foundations of the Indian Constitution, including the role and significance of the Constituent Assembly.

CO2: Interpret the Preamble, fundamental rights, directive principles of state policy, and fundamental duties, and discuss their significance in the Indian context.

CO3: Analyze the provisions related to citizenship and the constitutional remedies available to citizens for the enforcement of their rights.

CO4: Describe the structure and functions of the Union Government, including the roles of the President, Vice President, Prime Minister, Cabinet, and Parliament (Lok Sabha and Rajya Sabha).

CO5: Discuss the role of the Supreme Court in the Indian judicial system, including the concept and practice of judicial review.

CO6: Explain the structure and functions of State Governments, including the roles of the Governor, Chief Minister, Cabinet, State Legislature, and the judicial system within states.

CO7: Compare and contrast the structures and functions of Union and State governments and their legislative bodies.

CO8: Apply constitutional knowledge to understand current events, legal cases, and governmental actions within the framework of the Indian Constitution.

MDC-01T: SPORT & FITNESS

PROGRAMME OUTCOME (PO)

The course on Introduction to Sports aims to provide students with a comprehensive understanding of the fundamental concepts, physical fitness, and the rules and techniques of various sports. By the end of this course, students will:

1. Understand the basic concepts of play, games, and sports, and appreciate their objectives and importance.
2. Gain knowledge about the components of health and performance-related physical fitness and understand the importance of maintaining physical fitness in modern society.
3. Learn and apply fundamental movements of sports in relation to joints, including proper techniques for warming up and limbering down.
4. Acquire detailed knowledge of the rules, regulations, basic techniques, and tactics of various games such as football, handball, volleyball, basketball, badminton, table tennis, cricket, kabaddi, and kho-kho.
5. Foster an appreciation for lifelong physical fitness and sportsmanship, encouraging students to engage in regular physical activities and sports.

MDC-01T: SPORT & FITNESS

PROGRAMME SPECIFIC OUTCOME (PSO)

Upon completing this course, students will be able to:

PSO1: Demonstrate a clear understanding of the concepts, objectives, and importance of play, games, and sports.

PSO2: Explain the meaning, definition, and components of health and performance-related physical fitness and their relevance in today's society.

PSO3: Apply knowledge of fundamental movements, warming up, and limbering down exercises to enhance performance and prevent injuries.

PSO4: Accurately follow the rules and regulations of various games and apply basic techniques and tactics during gameplay.

PSO5: Assess their own health and performance-related physical fitness and identify areas for improvement.

MDC-01T: SPORT & FITNESS

COURSE OUTCOME (CO)

Upon successful completion of the Introduction to Sports course, students will be able to:

CO1: Explain the concepts of play, games, and sports, and discuss their objectives and importance.

CO2: Identify and perform fundamental movements of sports in relation to joints.

CO3: Demonstrate general and specific warm-up exercises, as well as limbering down techniques.

CO4: Define fitness and physical fitness, and explain their meanings and definitions.

CO5: Describe the components of health and performance-related physical fitness and their significance.

CO6: Discuss the importance of physical fitness in contemporary society.

CO7: Conduct assessments of health and performance-related physical fitness.

CO8: Explain the rules and regulations of various games including football, handball, volleyball, basketball, badminton, table tennis, cricket, kabaddi, and kho-kho.

CO9: Demonstrate basic techniques and tactics of the listed games during practical sessions.

CO10: Cultivate a habit of regular physical activity and an understanding of the value of sportsmanship and lifelong fitness.

SEMESTER – II

MDC-02T: COMMUNITY NUTRITION AND PUBLIC HEALTH

PROGRAMME OUTCOME (PO)

1. Develop a comprehensive understanding of community health concepts, including the definitions and significance of community, family, village, and block health systems.
2. Gain insights into the relationship between nutrition and health, including the principles of nutrition, nutritional needs, and the impact of nutrition on health.
3. Acquire knowledge on food composition, balanced diets, and the principles of diet formulation for various life stages and health conditions.
4. Develop skills in epidemiological methods and principles to understand and address public health issues and diseases.
5. Understand public health issues, including disease prevention and management, and the role of nutrition in public health.

MDC-02T: COMMUNITY NUTRITION AND PUBLIC HEALTH

PROGRAMME SPECIFIC OUTCOME (PSO)

PSO1: Define and describe the concepts of community, family, village, and block health, and understand the dimensions and determinants of health.

PSO2: Understand the role of nutrition in maintaining health, including the functions of food, nutrients, and energy requirements.

PSO3: Learn about malnutrition, overnutrition, and the principles of nutrition for various populations, including athletes and those with specific health conditions.

PSO4: Formulate and manage balanced diets for different life stages and health conditions.

PSO5: Understand and address issues related to malnutrition, including micronutrient deficiencies and the impact of food processing on nutritional value.

PSO6: Apply epidemiological principles and methods to study disease transmission, morbidity, and mortality.

PSO7: Analyze epidemiological indicators and study designs to understand public health issues and diseases.

PSO8: Gain knowledge of public health issues and the etiology, epidemiology, and prevention of common diseases such as malaria, dengue, hepatitis, AIDS, and nutritional anemia.

PSO9: Understand the management of specific conditions like thalassemia, obesity, and iodine deficiency.

MDC-02T: COMMUNITY NUTRITION AND PUBLIC HEALTH

COURSE OUTCOME (CO)

CO1: Define and explain the concepts of community, family, village, and block in the context of community health.

CO2: Describe the relationship between health and nutrition, including the definitions, functions, and importance of nutrients.

CO3: Analyze and formulate balanced diets for different individuals, including growing children, adults, pregnant and lactating women, and athletes.

CO4: Understand the composition and nutritional value of common Indian food items and the role of dietary fibers in nutrition.

CO5: Identify and manage issues related to malnutrition, undernutrition, and overnutrition, including specific conditions like PCM, marasmus, kwashiorkor, and micronutrient deficiencies.

CO6: Explain the principles of epidemiology and apply epidemiological methods to study disease transmission and control.

CO7: Understand the etiology, epidemiology, and prevention of major public health issues and diseases, including their management strategies.

CO8: Analyze and manage chronic and acute diseases, including their dietary management and public health implications.

MDC-02T: PHYSICAL AND CULTURAL GEOGRAPHY OF BENGAL

PROGRAMME OUTCOME (PO)

1. Develop knowledge about the geographic location, physiographic divisions, rivers, soils, climate, and natural hazards of Bengal.
2. Gain insights into the natural vegetation, wildlife, and ecotourism potential of Bengal.
3. Understand the demographic characteristics, migration patterns, and the status of scheduled tribes in Bengal.
4. Analyze the economic activities in Bengal, including agriculture, fishing, mining, industrial development, and the growth of major cities.
5. Appreciate the heritage, cultural diversity, and tourist attractions of Bengal.

MDC-02T: PHYSICAL AND CULTURAL GEOGRAPHY OF BENGAL

PROGRAMME SPECIFIC OUTCOME (PSO)

PSO1: Identify and describe the geographic location, physiographic divisions, major rivers, soil types, climate, and natural hazards in Bengal.

PSO2: Understand the distribution and characteristics of natural vegetation and wildlife, and explore the role of ecotourism in Bengal.

PSO3: Analyze demographic trends, migration patterns, and the socio-economic conditions of scheduled tribes in Bengal.

PSO4: Evaluate the significance of agriculture, fishing, mining, and industrial development in Bengal and their impact on major cities.

PSO5: Explore the rich heritage, cultural diversity, and major tourist places in Bengal, understanding their historical and contemporary significance.

MDC-02T: PHYSICAL AND CULTURAL GEOGRAPHY OF BENGAL

COURSE OUTCOME (CO)

CO1: Describe the geographic location, physiographic divisions, rivers, soils, climate, and natural hazards of Bengal.

CO2: Identify the types of natural vegetation, wildlife, and ecotourism opportunities in Bengal.

CO3: Analyze the demographic profile, migration trends, and the situation of scheduled tribes in Bengal.

CO4: Understand and evaluate the major economic activities including agriculture, fishing, mining, and industrial development in Bengal.

CO5: Explore and appreciate the cultural heritage, diversity, and tourist attractions of Bengal, understanding their importance to the region.

MDC-02T: GENDER STUDIES

PROGRAMME OUTCOME (PO)

1. Develop a comprehensive understanding of gender as a social construct and its distinction from sex and sexuality.
2. Recognize and critically analyze gender discrimination and stereotypes in various social contexts, including family and workspace.
3. Gain insights into the power dynamics and resistance, particularly through the study of women's movements in India.
4. Understand the concept of intersectionality and how gender intersects with caste, class, race, sexuality, religion, and ability/disability.
5. Identify and comprehend various forms of gender-based violence, including sexual harassment, domestic violence, rape, and cybercrime.

MDC-02T: GENDER STUDIES

PROGRAMME SPECIFIC OUTCOME (PSO)

PSO1: Develop a nuanced understanding of the concepts of gender, sex, and sexuality, and how they shape societal norms around masculinity and femininity.

PSO2: Critically examine the manifestations and implications of gender discrimination and stereotypes in the family and workplace settings.

PSO3: Study the history, impact, and significance of women's movements in India, understanding the power dynamics and resistance strategies employed.

PSO4: Analyze how gender intersects with other social categories like caste, class, race, sexuality, religion, and ability/disability, shaping diverse experiences of individuals.

PSO5: Gain a thorough understanding of different forms of gender-based violence and the societal and legal responses to these issues.

MDC-02T: GENDER STUDIES

COURSE OUTCOME (CO)

- CO1:** Explain the concepts of gender, sex, and sexuality, and differentiate between them.
- CO2:** Understand and analyze societal norms and expectations around masculinity and femininity.
- CO3:** Identify and critically analyze instances of gender discrimination and stereotypes within the family structure.
- CO4:** Examine gender discrimination and stereotypes in workplace settings and their impacts on individuals.
- CO5:** Describe the historical development, key events, and impacts of the women's movement in India.
- CO6:** Analyze how gender intersects with caste, class, race, and sexuality to shape diverse experiences and identities.
- CO7:** Understand the intersection of gender with religion and ability/disability, and its impact on individual experiences.
- CO8:** Identify and understand the nature, causes, and consequences of sexual harassment.
- CO9:** Analyze the dynamics and impacts of domestic violence on individuals and families.
- CO10:** Understand the socio-legal aspects of rape, its impact on survivors, and societal responses.