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PROGRAMME OUTCOMES

PO 1. Critical Thinking:

- 1. Acquire the ability to apply the basic tenets of logic and science to thoughts, actions and interventions.
- 2. Develop the ability to chart out a progressive direction for actions and interventions by learning to recognize the presence of hegemonic ideology within certain dominant notions.
- 3. Develop self-critical abilities and also the ability to view positions, problems and social issues from plural perspectives.

PO 2. Effective Citizenship:

- 1. Learn to participate in nation building by adhering to the principles of sovereignty of the nation, socialism, secularism, democracy and the values that guide a republic.
- 2. Develop and practice gender sensitive attitudes, environmental awareness, the ability to understand and resist various kinds of discriminations and empathetic social awareness about various kinds of marginalisation.
- 3. Internalise certain highlights of the nation's and region's history. Especially of the freedom movement, the renaissance within native societies and the project of modernisation of the post- colonial society.

PO 3. Effective Communication:

- 1. Acquire the ability to speak, write, read and listen clearly in person and through electronic media in both English and in one Modern Indian Language
- 2. Learn to articulate analysis, synthesis, and evaluation of situations and themes in a well- informed manner.
- 3. Generate hypothesis and articulate assent or dissent by employing both reason and creative thinking.

PO 4. Interdisciplinarity:

- 1. Perceive knowledge as an organic comprehensive, interrelated and integrated faculty of the human mind
- 2. Understand the issues of environmental contexts and sustainable development as a basic interdisciplinary concern of all disciplines.
- 3. Develop aesthetic, social, humanistic and artistic sensibilities for problem solving and evolving a comprehensive perspective.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- PSO 1:Speak, read, write and listen clearly in person and through electronic media in Arabic.
- PSO 2:Understand and apply the method of translation from Arabic to English and vice versa.
- PSO 3:Understand and apply Arabic Grammar Rhetoric and Prosody.
- PSO 4:Understand ancient and modern Arabic literature.

COURSE OUTCOMES (PSOs)

1B01CSC	INTRODUCTION TO C PROGRAMMING			
CO1: Aware about basics of programming.				
CO2: Capable to analyze the problem and design algorith	ım and flowchart.			
CO3: Familiar the basics of high-level language – C.				
CO4: Able to develop efficient and error free programs in	C.			
2B02CSC	ADVANCED C PROGRAMMING			
CO1: Familiar with advanced concepts of C program				
CO2: Capable to work with user defined as well as library functions.				
CO3: Skilled to solve more complex problems.				
CO4: Able to develop C programs using structure, union, pointers and files.				
3A11CSC	PROGRAMMING IN C++			
CO1: Describe the Object-Oriented Paradigm				
CO2: Understand dynamic memory management techniques				
CO3: Analyze a problem and construct a C++ program that solves it				
CO4: Discover errors in a C++ program and describe how to fix them				
3A12CSC	DATABASE MANAGEMENT SYSTEM			
CO1: Familiar with organized data collection.				
CO2: Able to design data bases.				
CO3: Skilled to normalize the data bases.				
CO4: Capable to frame queries for various purposes				
3B04CS	DATA STRUCTURES.			
CO1: Able to analyze the complexity of algorithm.				
CO2: Familiar with linear and nonlinear data structure				
CO3: Acquire the ability to select appropriate data structure for a given problem.				
CO4: Obtain skill for systematic approach to program	ıming.			

4A13CSC

DIGITAL ELECTRONICS

CO1: Introduce the basic and important concepts of Digital Principles and Applications.

CO2: Familiarize with basic building blocks of Digital systems, Digital Logic and

Digital Circuits.

CO3: Design simple combinational digital systems.

CO4: Familiarize different number systems, codes and data representation.

4A14CSC

OPERATING SYSTEMS

CO1: Familiarize with basics of design of operating systems.

CO2: Introduce basic working process of operating systems.

CO3: To understand the importance process and scheduling.

CO4: To understand the issues in memory management.

4B05CSC

SOFTWARE ENGINEERING

CO1: To understand the Software Development Life Cycle Models.

CO2: To familiarize with Software Requirement Analysis and Specification.

CO3: To familiarize with Classical Software Design Techniques.

CO4: To familiarize with various Software Testing Techniques and Tools.

5B08CSC

WEB TECHNOLOGY

CO1: Understand different components in web technology and WWW.

CO2: Learn to develop interactive Web pages.

CO3: Present a web document with server-side scripting using PHP.

CO4: Know the basics of AJAX.

5B09CSC

JAVA PROGRAMMING

- CO1: Know the overall structure and concept of logic building activity of Java programming language
- CO2. Identify the real-world things as well as the relationship between them and understand transforming them into their corresponding computer representations.
- CO3. Realize how to achieve code reusability using inheritance, interfaces and packages and expedite application development activities.
- CO4. Familiarize simple and robust way of handling multitasking and runtime error as well as such kind of abnormal situations within a program.
- CO5. Design GUI based applications and applications that can be transmitted over internet.

5B10CSC

COMPUTATION USING PYTHON

- CO1: Learn Python for expressing computation
- CO2: Familiarize with functions and modules in python
- CO3: Understand object-oriented programming concepts
- CO4: Learn the techniques for database connectivity and GUI programming in Python

5B11CSC

DISCIPLINE SPECIFIC ELECTIVE

- CO1: Capable to select suitable algorithm design technique.
- CO2: Able to design optimum algorithms for problems.
- CO3: Skilled to design solutions for real problems.

6B12CSC

DATA COMMUNICATION AND COMPUTER NETWORKING

- CO1: Understand state-of-the-art in network protocols, architectures and application.
- CO2: To acquire knowledge about different computer networks
- CO3: To understand the use of layer architecture for networking systems.

6B13CSC COMPILER DESIGN

CO1: Learn the basic principles of compiler.

CO2: Get an idea about the related programs.

CO3: Understand different components of a compiler.

CO4: Understand the phases of a compiler.

6B14CSC COMPUTER ORGANIZATION

CO1: Understand the basic terminology of computer system.

CO2: Understand the functional units of a computer system.

CO3: Understand the basic operations of a computer system.

CO4: Understand the memory organization in a computer system.