

**NAZARETH COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF COMPUTER APPLICATIONS
ACADEMIC YEAR 2022-2023
LEARNING OUTCOME**

PROGRAM OUTCOME

PO1: To provide a sound academic base from which an advanced carrier in computer application can be develop

PO2: To graduates can start their career with a great scope in the expanse of the industry verticals.

PO3: practical approach and insight are approved with the conventional and theoretical and practical knowledge

PO4: This course improve their computer literacy their basic understanding of operating system and the a working knowledge of software commonly used in academic and professional environments

PO5: An ability to apply knowledge of mathematics, computer science and management in practice.

PO6: In order to enhance programming skills of the young IT professionals, the program has introduced the concept of project development in each language /technology learnt.

COURSE OUTCOME – ODD SEMESTER

COURSE NAME	COURSE CODE	COURSE OUTCOME
SEMESTER I		
Core Paper 1: : Problem Solving using Python	SE21A	CO1 To Understand the principles of Python and acquire skills in programming in python CO2 To develop the emerging applications of relevant field using Python CO3 Interpret the fundamental Python syntax and semantics and be fluent in the use of Python control flow Statements. CO4 Able to develop simple turtle graphics programs in Python
Allied I: Mathematics	SM3AA	CO1:Students gain knowledge about basic concepts of algebra ,theory of equations, matrices, Trigonometry, and Calculus
SEMESTER III		
Core Paper III: Data Structures	SZ23A	CO1: Implement abstract data types for linear data structures. CO 2: Apply the different linear and non linear data structures to problem solutions. CO3:Critically analyze the various sorting algorithms.
Core Paper IV: Java	SZ23B	CO1: Knowledge of the structure and model of the

programming		Java programming language. CO 2: Understand the basic principles of creating Java applications with GUI. CO3: Demonstrate use of string and String Buffers, Develop multithreaded programs in Java.
Core V: Computer Organization	SZ23C	CO1: Describe the major components of a computer system and state their function and purpose CO2: Describe the microstructure of a processor CO3: Demonstrate the ability to program a microprocessor in assembly language. CO4:Classify and describe the operation DMA and peripheral Interfaces.
Allied III: Financial Accounting	SZ33A	CO1: To enable the students to know the principles of accounting in general. CO2:To understand the system of keeping Financial accounting records.
SEMESTER V		
Core IX: Software Engineering	SU25A	CO1: The students should be able to specify software requirements, design the software using tools CO 2:To write test cases using different testing techniques.
Core X : Operating System	SE25B	CO1:Understand the structure and functions of Operating System CO2:Compare the performance of Scheduling Algorithms CO3: Analyze resource management techniques CO4:Identify the features of I/O and File handling methods
Core XI: Relational Database Management System	SE25C	CO1:Describe basic concepts of database system CO2:Design a Data model and Schemas in RDBMS CO3:Competent in use of SQL CO4:Analyze functional dependencies for designing robust Database
Elective I Multimedia and its Applications	SU45B	CO1: To understand the technologies behind multimedia applications

COURSE OUTCOME – EVEN SEMESTER

COURSE NAME	COURSE CODE	COURSE OUTCOME
SEMESTER II		
Core II :Object Oriented Programming Concepts	SU22A	CO1:To write programs using OOP concepts like Abstraction, Encapsulation, Inheritance and

using C ++		Polymorphism
AlliedII: Mathematics II	SM3AE	CO1:students gain knowledge about basic concepts of differential equations , Laplace transforms, vector analysis and Calculus.
SEMESTER IV		
Core VI: Open Source Technologies	SZ24B	CO1;To recognize the benefits and features of Open Source Technology and to interpret, contrast and compare open source products among themselves
Core VII: Computer Network	SZ24A	CO1: Analyse different network models CO2: Analyse and compare a number of data link, network and transport layer CO 2:Analyzing key networking protocols and their hierarchical relationship in the conceptual model like TCP/IP and OSI
Core VIII : E-Commerce technologies	SA24C	CO1:Obtain a general understanding of basic business management concepts. CO2:Have complete knowledge about basic technical concepts relating to E-Commerce. CO3:Obtain thorough understanding about the security issues, threats and challenges of E-Commerce.
Allied IV: Cost and Management Accounting	SZ34A	CO1:To learn the theory and practices of cost accounting CO2:To understand the concept of management accounting.
SEMESTER VI		
Core XVII Web technology	SAZ6A	CO1:Upon successful completion of the course, the student will be able to CO2:Use fundamental skills to maintain web server services required to host a website. CO3:Use scripting languages and web services to transfer data and add interactive components to web pages.
Core XVIII Data communication and networking	SAZ6B	CO1:Upon successful completion of the course, the student will be able to Understand the fundamental concepts of data communications and networking CO2:Identify different components and their respective roles in a computer communication system. •CO3:Apply the knowledge, concepts and terms related to data communication and networking

Core XIX Software Testing	SAZ6C	<p>co1: Upon successful completion of the course, the student will be able to</p> <p>CO2:Have an ability to apply software testing knowledge and engineering methods.</p> <p>CO3:Have an ability to design and conduct a software test process for a software testing project.</p> <p>•CO4:Have an ability to identify the needs of software test automation, and define and develop a test tool to support test automation.</p>
Elective II E-commerce	SEZ6B	<p>CO1: Upon successful completion of the course, the student will be able to</p> <p>An ability to identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.</p> <p>CO2: An ability to effectively integrate IT-based solutions into the user environment.</p> <p>CO3:An ability to use current techniques, skills, and tools necessary for computing practice.</p>
Elective II Multimedia Systems	SEZ6D	<p>CO1:To understand the technologies behind the multimedia applications.</p>