"Dissemination of Education for Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's Vivekanand College, Kolhapur (Autonomous) Department of MCA (Master of Computer Application)

Course Outcomes

(2024-25) MCA- I

(Semester-I)

Name of Course- Data Structures Using C++

Course Code- DSC36DST11

After completion of these course students will able to:

Course Outcomes	
1	Examine the effects that algorithm design techniques and data structure selection have on program performance.
2	Determine the best data structure and algorithm for a certain application.
3	Programs are designed utilizing object-oriented ideas.
4	Resolve problems using data structures such as linear lists, stacks, queues, hash tables, binary trees, heaps, tournament trees, binary search trees, and graphs and writing programs for these solutions.

Name of Course- Database Management System
Course Code- DSC36DBM11

After completion of these course students will able to:

Course Outcomes	
1	Understand relational database management systems' basic components.
2	Sketch and explain the basic concepts of relational data model, entity-relationship model, and relational database design
3	Solicit the relational database theory to formulate basic and advanced SQL queries and relational algebra expressions for the queries.
4	Recognize the use of normalization and functional dependency in database design.

Name of Course- Computer Networks
Course Code- DSC36CNW11

After completion of these course students will able to:

Course Outcomes	
1	Elaborates in detail the fundamental ideas, OSI reference model, working and role of each layer of OSI model and TCP/IP, networks devices and transmission media, Analog, and digital data transmission
2	Put in application (Apply) of channel allocation, framing, error, and flow control techniques.
3	Describes the logical addressing, subnetting, and routing mechanism functions of the network layer.
4	Explain the many functions of the transport layer, such as flow control, error control, port addressing, and connection management.

Name of Course- Advanced Operating System

Course Code- DSC36OSA11

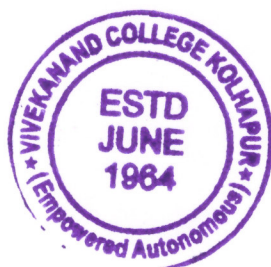After completion of these course students will able to:

Course Outcomes	
1	Describe the different operating system characteristics and ideas.
2	Examine the features and attributes of different operating systems.
3	Put into practice the CPU, memory, and disc scheduling algorithms.
4	Adjust the OS Examine the features and attributes of different operating systems.4. Adjust the operating system settings as necessary.

Name of Course- Cyber Security

Course Code- DSC36CYS11

After completion of these course students will able to:

Course Outcomes	
1	Exhibit knowledge to secure corrupted systems, protect personal data, and secure computer networks in an organization.
2	Implementation with an expertise in academics to design and implement security solutions.
3	Acknowledge key terms and concepts in Cryptography, Governance and Compliance.
4	Acknowledge principles of web security and to guarantee a secure network by monitoring and analyzing the nature of attacks through cyber/computer forensics software/tools.

Name and Signature of HoD

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Course Outcomes
(2024-25) MCA-I
(Sem-II)

Name of Course- Object Oriented Programming with Python

Course Code- DSC36OOP21

After completion of these course students will able to:

Course Outcomes	
1	To Learn Basic Syntax of Python Programming.
2	To understand and implement concepts of object-oriented methodology using Python.
3	To Learn collections in Python.
4	To develop problem solving skills and their implementation through Python

Name of Course- Advance Web Technology

Course Code- DSC36WEB21

After completion of these course students will able to:

Course Outcomes	
1	Understand the basics of web design
2	Develop ASP.NET application
3	Utilize SQL Server with ASP.NET
4	Develop fully functional dynamic web applications using the concepts of PHP, MySQL, and Laravel framework

Name of Course- Information Security

Course Code- DSC36INS21

After completion of these course students will able to:

Course Outcomes	
1	appreciate the value of information to the modern organisation
2	understand the CIA triad of Confidentiality, Integrity and Availability
3	appreciate the difficulties that arise when valuable information needs to be shared
4	identify the five leading-edge resources that have up-to-date information on information security.

Name of Course- Software Engineering

Course Code- DSC36SEG21

After completion of these course students will able to:

Course Outcomes	
1	Students will be able to decompose the given project in various phases of a lifecycle
2	Students will be able to choose appropriate process model depending on the user requirements.
3	Students will be able perform various life cycle activities like Analysis, Design, Implementation, Testing and Maintenance.
4	Students will be able to know various processes used in all the phases of the product.

Name of Course- Cloud Computing

Course Code- DSC36CCM21

After completion of these course students will able to:

Course Outcomes	
1	To understand the concept of cloud computing.
2	To study the evolution of cloud from the existing technologies.
3	To implement the knowledge of computing on the various issues in cloud.
4	To assess services provided by lead players in cloud.

Name of Course- Advance Java Programming

Course Code- DSC36ADJ21

After completion of these course students will able to:

Course Outcomes	
1	students to understand programming.
2	concept and its use in Software development.
3	This course enables students to understand programming concept and its use in Software development.
4	Analyze different forms of inheritance.

Name and Signature of HoD