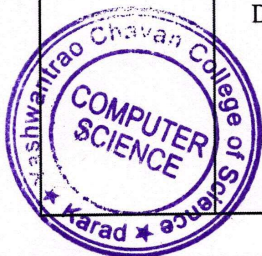


**B. Sc. Computer Science (Entire) - II 2024-25****COURSE OUTCOMES (COs)**

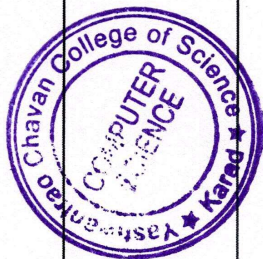
B. Sc. Computer Science (Entire) - II 2024-25				
COURSE OUTCOMES (COs)				
SEM – III	DSC-301	RDBMS With MySQL	CO1	Understand the concept of Database, Database management system Concept of Data models
			CO2	Understand of MySQL with different Commands (Create, insert, select, update, Delete)
			CO3	Understand different SQL Operators, functions and clauses
			CO4	Design & develop proper database and get Knowledge of Sub Queries and Joins
	DSC-302	Object Oriented Programming using C++	CO1	Understand basic concepts of object-oriented programming and Use of various control structures to improve programming logic.
			CO2	Design classes, objects and functions
			CO3	Use constructor and destructor
			CO4	Implement inheritance and polymorphism concept
	SEC-III	HTML & CSS (Web Technology)	CO1	Understand basic as well as advanced concepts of HTML
			CO2	Understand basics of CSS to design a page
			CO3	Design and develop website using HTML and CSS
	GEC -303	Computer Organization	CO1	Understand code converters, digital comparators and counter design.
			CO2	Understand design of memory system with its expansion and mapping techniques
			CO3	Understand various data transfer techniques in digital computer and the I/O interfaces
			CO4	Understand the basics of register, stack, organization and study of ALU with instruction format
	GEC -304	Computer Instrumentation	CO1	Describe the working principle, selection criteria and applications of various transducers used in instrumentation systems
CO2			Gain knowledge about different type of signal conditioning circuits, data converters	

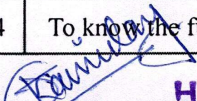


			CO3	Understand various types of Actuators and Data Acquisition systems
			CO4	Understand construction, working principle of different types of digital instruments and display devices
	GEC -305	Linear Algebra	CO1	Understand the concept of linear transformation and its application to real life
			CO2	Evaluate mathematical expressions to compute quantities that deal with linear systems and eigenvalue problems
			CO3	Analyze mathematical statements and expressions
			CO4	Reason mathematically. Understand the notion of vector space, subspace, basis.
	GEC -306	Numerical Methods	CO1	Understand how to find the roots of transcendental equations.
			CO2	Understand learn numerical solution of differential equations
			CO3	Understand how to find the roots of transcendental equations
			CO4	Understand how to interpolate the given set of values
SEM – IV	DSC-401	Data structure using C++	CO1	Understand concept of data structure and concept of array operations and applications of array.
			CO2	Understand different sorting and searching algorithms for problem solving
			CO3	Implement algorithms to solve problems using appropriate data structures
			CO4	Understand implementations of linked list and basics of Trees
	DSC-402	System Analysis & Design	CO1	Understand concept of system, life cycle of system, different fact-finding techniques in system analysis.
			CO2	Design different charting techniques like decision table, decision trees, ERD, DFD to develop a system
			CO3	Understand input and output design of a system and also different testing techniques
			CO4	Design different systems using system development life cycle



	SEC-IV	Java Script	CO1	Understand the architecture of 8051 microcontroller and its comparative family.
			CO2	Understand the detailed Instruction set of 8051 with addressing modes
			CO3	Understand Facilities in 8051 viz Timer, Counter, Delay calculations and Serial Communication with its operating modes
			CO4	Understand 8051 and Real-world interfacing using I/O peripherals
	GEC -403	Microcontroller Architecture and Programming	CO1	Understand the architecture of 8051 microcontroller and its comparative family.
			CO2	Understand the detailed Instruction set of 8051 with addressing modes
			CO3	Understand Facilities in 8051 viz Timer, Counter, Delay calculations and Serial Communication with its operating modes
			CO4	Understand 8051 and Real-world interfacing using I/O peripherals
	GEC -404	Principles of Electronics Communication	CO1	Understand the functioning of basic communication system.
			CO2	Understand the concept of basic analog modulation techniques
			CO3	Understand digital modulation and demodulation techniques
			CO4	Understand wireless communication systems and mobile communication concept
GEC -405	Computational Geometry	CO1	Understand how to represent point, lines, transformations and matrices,	
		CO2	Understand how to Various types of transformations	
		CO3	Solve multiple transformation and projection on three dimensional	
		CO4	Understand the concepts curve, its properties and B-spline curve	
GEC -406	Operation Research	CO1	To learn about characteristics, scope of operation Research.	
		CO2	Understand the Assignment problem	
		CO3	Understand the Transportation problem Initial Solution and Optimization	
		CO4	To know the fundamental of game theory	



  
**Head**  
 Department of Computer Science  
 Yashwantrao Chavan College of Science