DEPARTMENT OF COMPUTER ENGINEERING

2.6.1. Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated
(SEM – V-VI – C – SCHEME)

2022 REGULATION-COURSE OUTCOMES

SEMESTER	COURSE CODE	COURSE NAME	COURSE ID	COURSE OUTCOME
V	CSC501	Theoretical Computer Science	CO 1	Understand concepts of Theoretical Computer Science, difference and equivalence of DFA and NFA , languages described by finite automata and regular expressions
			CO 2	Design Context free grammar, pushdown automata to recognize the language
			CO 3	Develop an understanding of computation through Turing Machine.
			CO 4	Acquire fundamental understanding of decidability and undecidability.
V	CSC502	Software Engineering	CO 1	Identify requirements & assess the process models.
			CO 2	Plan, schedule and track the progress of the projects.
			CO 3	Design the software projects.
			CO 4	Do testing of software project.
			CO 5	Identify risks, manage the change to assure quality in software projects.
V	CSC503	Computer Network	CO 1	Demonstrate the concepts of data communication at physical layer and compare ISO - OSI model with TCP/IP model.
			CO 2	Explore different design issues at data link layer.
			CO 3	Design the network using IP addressing and sub netting / supernetting schemes.
			CO 4	Analyze transport layer protocols and congestion control algorithms.
			CO 5	Explore protocols at application layer
V	CSC504	Data Warehousing and Mining	CO 1	Understand data warehouse fundamentals and design data warehouse with dimensional modelling and apply OLAP operations.
			CO 2	Understand data mining principles and perform Data preprocessing and Visualization
			CO 3	Identify appropriate data mining algorithms to solve real world problems.

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			CO 4	Compare and evaluate different data mining techniques like classification, prediction, clustering and association rule mining
			CO 5	Describe complex information and social networks with respect to web mining
V	**CSDLO5013**	**Advance Database Management System**	CO 1	Design distributed database using the various techniques for query processing
			CO 2	Measure query cost and perform distributed transaction management
			CO 3	Organize the data using XML and JSON database for better interoperability
			CO 4	Compare different types of NoSQL databases
			CO 5	Formulate NoSQL queries using Mongodb
			CO 6	Describe various trends in advance databases through temporal, graph based and spatial based databases

SEMESTER	COURSE CODE	COURSE NAME	COURSE ID	COURSE OUTCOME
VI	**CSC601**	**System Programming and Compiler Construction**	CO 1	Identify the relevance of different system programs.
			CO 2	Explain various data structures used for assembler and microprocessor design.
			CO 3	Distinguish between different loaders and linkers and their contribution in developing efficient user applications
			CO 4	Understand fundamentals of compiler design and identify the relationships among different phases of the compiler.
VI	**CSC602**	**Cryptography & System Security**	CO 1	Understand system security goals and concepts, classical encryption techniques and acquire fundamental knowledge on the concepts of modular arithmetic and number theory
			CO 2	Understand, compare and apply different encryption and decryption techniques to solve problems related to confidentiality and authentication
			CO 3	Apply different message digest and digital signature algorithms to verify integrity and achieve authentication and design secure

Saraswati Education Society's

YADAVRAO TASGAONKAR INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi, DTE (EN/ME/MB/MC-3147), Recognized by Govt. of Maharashtra, Affiliated to University of Mumbai)

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					applications
			CO 4		Understand network security basics, analyse different attacks on networks and evaluate the performance of firewalls and security protocols like SSL, IPSec, and PGP
			CO 5		Analyse and apply system security concept to recognize malicious code
VI	**CSC603**	**Mobile Computing**	**CO 1**		To identify basic concepts and principles in computing, cellular architecture.
			CO 2		To describe the components and functioning of mobile networking.
			CO 3		To classify variety of security techniques in mobile network
			CO 4		To apply the concepts of WLAN for local as well as remote applications
			CO 5		To describe Long Term Evolution (LTE) architecture and its interfaces.
VI	**CSC604**	**Artificial Intelligence**	**CO 1**		Ability to develop a basic understanding of AI building blocks presented in intelligent agents.
			CO 2		Ability to choose an appropriate problem solving method and knowledge representation technique.
			CO 3		Ability to analyze the strength and weaknesses of AI approaches to knowledge– intensive problem solving.
			CO 4		Ability to design models for reasoning with uncertainty as well as the use of unreliable information.
			CO 5		Ability to design and develop AI applications in real world scenarios.
VI	**CSC605**	**Internet of Things**	**CO 1**		Understand the concepts of IoT and the Things in IoT
			CO 2		Emphasize core IoT functional Stack and understand application protocols for IoT.
			CO 3		Apply IoT knowledge to key industries that IoT is revolutionizing.
			CO 4		Examines various IoT hardware items and software platforms used in projects.