

## Eknath B Madhavi Senior College, Dombivli

### Teaching Plan

Academic Year: 2023-24

Name of the Teacher :Mr.Anil Sharma Sir	Faculty	Course : Bsc.IT
Department : IT	Subject:AM	

Class :S.Y.Bsc.IT

Month:-June-Nov 2023

Month	Week	Dates of the week	No of the lectures	Topic
June	3 <sup>rd</sup> Week	19-6-2023 24-6-2023	3	Reopening  Unit-I Inverse of a matrix, Properties of matrices, Elementary Transformation, Rank of Matrix, Echelon or Normal Matrix, Inverse of matrix, Linear equations.  21 <sup>st</sup> June Yoga day Celebration
June	4 <sup>th</sup> week	26-6-2023 01-7-2023	3	29 <sup>th</sup> June Holiday on account of Bakri Id  Linear transformation, Characteristics roots and vectors, Properties of vectors, CaleyHamilton Theorem, diagonal matrix.
July	1 <sup>st</sup> week	03-7-2023 08-7-2023	3	6 <sup>th</sup> July Ashadi Ekadashi and Guru Purnima Day celebration  Complex Numbers: Complex number, Equality of complex numbers, Graphical representation of complex number, Polar form of complex numbers.

July	2 <sup>nd</sup> week	10-7-2023 15-7-2023	3	Complex numbers and their representation on Argand's Diagram,  Circular functions of complex angles, Definition of hyperbolic function.  Logarithms of complex quality, $j(=i)$ as an operator (Electrical circuits).
July	3 <sup>rd</sup> Week	17-7-2023 22-7-2023	3	Unit-II Equation of the first order and of the first degree: Separation of variables, Equations homogeneous in $x$ and $y$ , Non-homogeneous linear equations, Exact differential Equation, Integrating Factor.
July	4 <sup>th</sup> week	24-7-2023 29-7-2023	3	29 <sup>th</sup> July Muharram Holiday  Linear Equation and equation reducible to this form, Method of substitution.  Differential equation of the first order of a degree higher than the First.
August	1 <sup>st</sup> week	31-7-2023 5-8-2023	3	Linear Differential Equations with Constant Coefficients:  Introduction, The Differential Operator, Linear Differential Equation $f(D)y=0$ , Linear differential equation $f(D)y = X$ .
August	2 <sup>nd</sup> week	7-8-2023 12-8-2023	3	Particular integral : Short methods, Particular integral : Other methods,  Differential equations reducible to the Linear differential equations.
August	3 <sup>rd</sup> Week	14-8-2023 19-8-2023	3	15 <sup>TH</sup> August independence day 16 <sup>th</sup> August parsi new year Unit-III The Laplace Transform:

				Introduction, Definition of the Laplace Transform, Theorems on Important Properties of Laplace Transformation, First Shifting theorem.
August	4 <sup>th</sup> week	21-8-2023 26-8-2023	3	Second Shifting Theorem, The Convolution Theorem, Laplace Transform of an Integral, Laplace Transform of Derivatives.
August	5 <sup>th</sup> week	28-8-2023 02-9-2023	3	30 <sup>th</sup> August Raksha Bandhan  Inverse Laplace Transform: Shifting Theorem, Partial fraction Methods, Use of Convolution Theorem, Solution of Ordinary Linear Differential Equations.
September	1 <sup>st</sup> week	4-9-2023 9-9-2023	3	5 September Teachers day Celebration  7 <sup>th</sup> September Janmashtmi  Laplace Transformation of Special Function, Periodic Functions, Heaviside Unit Step Function, Dirac-delta Function.
September	2 <sup>nd</sup> week	11-9-2023 16-9-2023	3	ATKT Exams of Sem-II & Sem – IV  Unit-IV Multiple Integrals: Double Integral, Change of the order of the integration.
September	3 <sup>rd</sup> Week	18-9-2023 23-9-2023	3	19 <sup>th</sup> Sept to 23 <sup>rd</sup> Sept Ganpati Festival  Double integral in polar co-ordinates, Triple integrals.
September	4 <sup>th</sup> week	25-9-2023 30-9-2023	3	28 <sup>th</sup> Sept Anant Chaturdashi & Eid-E-Milad  Applications of integration: Areas, Volumes of solids.

October	1 <sup>st</sup> week	2-10-2023 7-10-2023	3	2 Oct Gandhi Jayanti Unit-V:Beta and Gamma Functions – Definitions, Properties and Problems.
	2 <sup>nd</sup> week	9-10-2023 14-10-2023	3	Duplication formula.
	3 <sup>rd</sup> week	16-10-2023 21-10-2023	3	Differentiation Under the Integral Sign.
	4 <sup>th</sup> week	23-10-2023 28-10-2023	3	24 <sup>th</sup> Oct Dussehra (Regular exam Sem- III) Error Functions.
November	1 <sup>st</sup> week	30-10-2023 04-11-2023	3	Revision
	2 <sup>nd</sup> week	06-11-2023 11-11-2023	3	10 <sup>th</sup> November Dhanteras Revision
	3 <sup>rd</sup> Week	13-11-2023 27-11-2023		13 <sup>th</sup> November to 27 <sup>th</sup> November Diwali Vacation

# Eknath B Madhavi Senior College, Dombivli

## Teaching Plan

Academic Year: 2023-24

Name of the Teacher :Mr.Ravikant Ahire Sir	Faculty	Course : Bsc.IT
Department : IT	Subject:CN	

Class :S.Y.Bsc.IT

Month:-June-Nov 2023

Month	Week	Dates of the week	No of the lectures	Topic
June	3 <sup>rd</sup> Week	19-6-2023 24-6-2023	3	Reopening  Unit-I Introduction: Data communications, networks, network types, Internet history, standards and administration.  21 <sup>st</sup> June Yoga day Celebration
June	4 <sup>th</sup> week	26-6-2023 01-7-2023	3	29 <sup>th</sup> June Holiday on account of Bakri Id  Network Models: Protocol layering, TCP/IP protocol suite, The OSI model.
July	1 <sup>st</sup> week	03-7-2023 08-7-2023	3	6 <sup>th</sup> July Ashadi Ekadashi and Guru Purnima Day celebration  Introduction to Physical layer: Data and signals, periodic analog signals, digital signals, transmission impairment, data rate limits, performance.
July	2 <sup>nd</sup> week	10-7-2023	3	Digital and Analog transmission  Practical 1: IPv4 Addressing and

		15-7-2023		Subnetting.
July	3 <sup>rd</sup> Week	17-7-2023 22-7-2023	3	Unit-II Bandwidth Utilization: Multiplexing and Spectrum Spreading: Multiplexing, Spread Spectrum. practical 2: Use of ping and tracert / traceroute, ipconfig / ifconfig, route and arp utilities.
July	4 <sup>th</sup> week	24-7-2023 29-7-2023	3	29 <sup>th</sup> July Muharram Holiday  Transmission media: Guided Media, Unguided Media.
August	1 <sup>st</sup> week	31-7-2023 5-8-2023	3	Switching: Introduction, circuit switched networks, packet switching, structure of a switch. Practical 3: Configure IP static routing.
August	2 <sup>nd</sup> week	7-8-2023 12-8-2023	3	Introduction to the Data Link Layer: Practical 4. Configure IP routing using RIP.
August	3 <sup>rd</sup> Week	14-8-2023 19-8-2023	3	15 <sup>TH</sup> August independence day  Unit-III Data Link Control: DLC services, data link layer protocols, HDLC, Point-to-point protocol. 16 <sup>th</sup> August parsi new year
August	4 <sup>th</sup> week	21-8-2023 26-8-2023	3	Media Access Control: Random access, controlled access, channelization, Wired LANs – Ethernet Protocol, standard ethernet, fast ethernet, gigabit ethernet, 10 gigabit ethernet.
August	5 <sup>th</sup> week	28-8-2023 02-9-2023	3	30 <sup>th</sup> August Raksha Bandhan  Wireless LANs: Introduction, IEEE 802.11 project, Bluetooth,WiMAX, Cellular telephony, Satellite networks.
September	1 <sup>st</sup> week	4-9-2023 9-9-2023	3	5 September Teachers day Celebration  Connecting devices and Virtual LANs.

				Practical-5: Configuring Simple OSPF. 7 <sup>th</sup> September Janmashtmi
September	2 <sup>nd</sup> week	11-9-2023 16-9-2023	3	ATKT Exams of Sem-II & Sem – IV  Unit-IV Introduction to the Network Layer: Network layer services, packet switching, network layer performance.
September	3 <sup>rd</sup> Week	18-9-2023 23-9-2023	3	19 <sup>th</sup> Sept to 23 <sup>rd</sup> Sept Ganpati Festival  IPv4 addressing, forwarding of IP packets, Internet Protocol, ICMPv4, Mobile IP.
September	4 <sup>th</sup> week	25-9-2023 30-9-2023	3	28 <sup>th</sup> Sept Anant Chaturdashi & Eid-E-Milad  Unicast Routing: Introduction, routing algorithms, unicast routing protocols.
October	1 <sup>st</sup> week	2-10-2023 7-10-2023	3	2 Oct Gandhi Jayanti  Next generation IP: IPv6 addressing, IPv6 protocol, ICMPv6 protocol, transition from IPv4 to IPv6.  Practical 6: Configuring DHCP server and client.
	2 <sup>st</sup> week	9-10-2023 14-10-2023	3	Unit-V Introduction to the Transport Layer: Introduction, Transport layer protocols (Simple protocol, Stop-and-wait protocol).  Practical 7: Create virtual PC based network using virtualization software and virtual NIC.
	3 <sup>nd</sup> week	16-10-2023 21-10-2023	3	Go-Back-n protocol, Selective repeat protocol, Bidirectional protocols), Transport layer services, User datagram protocol. Practical 8: Configuring DNS Server and

				client.
	4 <sup>th</sup> week	23-10-2023 28-10-2023	3	24 <sup>th</sup> Oct Dussehra (Regular exam Sem-III)  Transmission control protocol.
November	1 <sup>st</sup> week	30-10-2023 04-11-2023	3	Standard Client0Server Protocols: World wide-web and HTTP, FTP, Electronic mail, Telnet, Secured Shell, Domain name system.  Practical 9: Configuring OSPF with multiple areas.
	2 <sup>nd</sup> week	06-11-2023 11-11-2023	3	10 <sup>th</sup> November Dhanteras  Practical 10: Use of Wireshark to scan and check the packet information of following protocols.
	3 <sup>rd</sup> Week	13-11-2023 27-11-2023		13 <sup>th</sup> November to 27 <sup>th</sup> November Diwali Vacation

# Ekmath B Madhavi Senior College, Dombivli

## Teaching Plan

Academic Year: 2023-24

Name of the Teacher :Mr. Sir	Faculty	Course : Bsc.IT
Department : IT	Subject:DS	

Class :S.Y.Bsc.IT

Month:-June-Nov 2023

Month	Week	Dates of the week	No of the lectures	Topic
June	3 <sup>rd</sup> Week	19-6-2023 24-6-2023	3	Reopening  Unit-I Introduction: Data and Information, Data Structure, Classification of Data Structures, Primitive Data Types, Abstract Data Types, Data structure vs. File Organization, Operations on Data Structure,Algorithm.  21 <sup>st</sup> June Yoga day Celebration
June	4 <sup>th</sup> week	26-6-2023 01-7-2023	3	29 <sup>th</sup> June Holiday on account of Bakri Id  Importance of Algorithm Analysis, Complexity of an Algorithm, Asymptotic Analysis and Notations, Big O Notation, Big Omega Notation, Big Theta Notation, Rate of Growth and Big O Notation.
July	1 <sup>st</sup> week	03-7-2023 08-7-2023	3	6 <sup>th</sup> July Ashadi Ekadashi and Guru Purnima Day celebration  Array: Introduction, One Dimensional Array, Memory Representation of One Dimensional Array, Traversing, Insertion,

				Deletion, Searching, Sorting, Merging of Arrays, Multidimensional Arrays.
July	2 <sup>nd</sup> week	10-7-2023 15-7-2023	3	Representation of Two Dimensional Arrays, General Multi-Dimensional Arrays, Representation of Special kind of Matrices, Advantages and Limitations of Arrays.  Practical 1: Implement the following.
July	3 <sup>rd</sup> Week	17-7-2023 22-7-2023	3	Unit-II Linked List: Linked List, One-way Linked List, Traversal of Linked List, Searching, Memory Allocation and De-allocation, Insertion in Linked List, Deletion from Linked List, Copying a List into Other List.  practical 2: Write a program to create a single linked list and display the node elements in reverse order.
July	4 <sup>th</sup> week	24-7-2023 29-7-2023	3	29 <sup>th</sup> July Muharram Holiday  Applications of the Linked list, Representation of Polynomials, Storage of Sparse Arrays, Implementing other Data Structures.
August	1 <sup>st</sup> week	31-7-2023 5-8-2023	3	Strings  Practical 3: Implement the following for Stack:  1. Write a program to implement the concept of Stack with Push, Pop, Display and Exit operations.  b,c.
August	2 <sup>nd</sup> week	7-8-2023 12-8-2023	3	Practical 4. Implement the following for Queue:  a. Write a program to implement the

				concept of Queue with Insert, Delete, Display and Exit operations.b,c.
August	3 <sup>rd</sup> Week	14-8-2023 19-8-2023	3	15 <sup>TH</sup> August independence day  Unit-III Stack: Introduction, Operations on the Stack Memory Representation of Stack, Array Representation of Stack, Applications of Stack.  16 <sup>th</sup> August parsi new year
August	4 <sup>th</sup> week	21-8-2023 26-8-2023	3	Evaluation of Arithmetic Expression, Matching Parenthesis, infix and postfix operations, Recursion.
August	5 <sup>th</sup> week	28-8-2023 02-9-2023	3	30 <sup>th</sup> August Raksha Bandhan  Queue: Introduction, Queue, Operations on the Queue, Memory Representation of Queue, Array representation of queue, Linked List Representation of Queue.
September	1 <sup>st</sup> week	4-9-2023 9-9-2023	3	5 September Teachers day Celebration  Circular Queue, Some special kinds of queues, Deque, Priority Queue, Application of Priority Queue, Applications of Queues.  Practical-5: Implement the following sorting techniques:  a. Write a program to implement bubble sort.b,c.  7 <sup>th</sup> September Janmashtmi

September	2 <sup>nd</sup> week	11-9-2023 16-9-2023	3	ATKT Exams of Sem-II & Sem – IV  Unit-IV R Sorting and Searching Techniques Bubble, Selection, Insertion, Merge Sort. Searching: Sequential, Binary, Indexed Sequential Searches, Binary Search.
September	3 <sup>rd</sup> Week	18-9-2023 23-9-2023	3	19 <sup>th</sup> Sept to 23 <sup>rd</sup> Sept Ganpati Festival  Tree: Tree, Binary Tree, Properties of Binary Tree, Memory Representation of Binary Tree, Operations Performed on Binary Tree.
September	4 <sup>th</sup> week	25-9-2023 30-9-2023	3	28 <sup>th</sup> Sept Anant Chaturdashi & Eid-E-Milad  Reconstruction of Binary Tree from its Traversals, Huffman Algorithm, Binary Search Tree, Operations on Binary Search Tree, Heap, Memory Representation of Heap, Operation on Heap, Heap Sort.
October	1 <sup>st</sup> week	2-10-2023 7-10-2023	3	2 Oct Gandhi Jayanti  Advanced Tree Structures: Red Black Tree, Operations Performed on Red Black Tree, AVL Tree, Operations performed on AVL Tree, 2-3 Tree, B-Tree.  Practical 6: Implement the following data structure techniques:  a. Write a program to implement merge sort. b,c.
	2 <sup>st</sup> week	9-10-2023 14-10-2023	3	Unit-V Hashing Techniques  Hash function, Address calculation techniques, Common hashing functions Collision resolution.  Practical 7: Implement the following data

				structure techniques: a. Write a program to create the tree and display the elements. b,c.
	3 <sup>rd</sup> week	16-10-2023 21-10-2023	3	Linear probing, Quadratic, Double hashing, Bucket hashing, Deletion and rehashing.  Practical 8: 8. Implement the following data structure techniques:  1. Write a program to insert the element into maximum heap. 2. b. Write a program to insert the element into minimum heap.
	4 <sup>th</sup> week	23-10-2023 28-10-2023	3	24 <sup>th</sup> Oct Dussehra (Regular exam Sem-III)  Graph: Introduction, Graph, Graph Terminology, Memory Representation of Graph.
November	1 <sup>st</sup> week	30-10-2023 04-11-2023	3	Probability Axioms and  Adjacency Matrix Representation of Graph,  Adjacency List or Linked Representation of Graph.  Practical 9: Implement the following data structure techniques:  a. Write a program to implement the collision technique.  b. Write a program to implement the concept of linear probing.
	2 <sup>nd</sup> week	06-11-2023	3	10 <sup>th</sup> November Dhanteras

		11-11-2023		Practical 10: a. Write a program to generate the adjacency matrix.
	3 <sup>rd</sup> Week	13-11-2023 27-11-2023		13 <sup>th</sup> November to 27 <sup>th</sup> November Diwali Vacation

# Ekmath B Madhavi Senior College, Dombivli

## Teaching Plan

Academic Year: 2023-24

Name of the Teacher :Mr.Ravikant Ahire Sir	Faculty	Course : Bsc.IT
Department : IT	Subject:OS	

Class :S.Y.Bsc.IT

Month:-June-Nov 2023

Month	Week	Dates of the week	No of the lectures	Topic
June	3 <sup>rd</sup> Week	19-6-2023 24-6-2023	3	Reopening Unit-I Introduction 3. Operating system operations 4. Process management 5. Memory management 21 <sup>st</sup> June Yoga day Celebration
June	4 <sup>th</sup> week	26-6-2023 01-7-2023	3	29 <sup>th</sup> June Holiday on account of Bakri Id 1. Storage management 2. Components of Operating systems 3. Protection and security 4. Distributed systems
July	1 <sup>st</sup> week	03-7-2023 08-7-2023	3	6 <sup>th</sup> July Ashadi Ekadashi and Guru Purnima Day celebration 1. User interfaces of the operating system 2. Design and implementation of an operating system 3. Operating system services and system calls 4. System programs

July	2 <sup>nd</sup> week	10-7-2023 15-7-2023	3	1. Structure of operating systems 2. Operating systems generations  Practical 1: Installation of virtual machine software.
July	3 <sup>rd</sup> Week	17-7-2023 22-7-2023	3	Unit-II Process Management: 1. Process concepts 2. Process state 3. Process control block 4. Scheduling queues practical 2: Installation of Linux operating system (RedHat / Ubuntu) on virtual machine.
July	4 <sup>th</sup> week	24-7-2023 29-7-2023	3	29 <sup>th</sup> July Muharram Holiday  1. Process scheduling 2. Multithreaded programming 3. Threads in UNIX 4. Comparison of UNIX and Windows
August	1 <sup>st</sup> week	31-7-2023 5-8-2023	3	1. Process synchronization 2. Critical section problem 3. Peterson's solution Practical 3: Installation of Windows operating system on virtual machine.
August	2 <sup>nd</sup> week	7-8-2023 12-8-2023	3	1. Synchronization hardware 2. Classic problems of synchronization 3. Atomic transactions Practical 4. Linux commands: Working with Directories.
August	3 <sup>rd</sup> Week	14-8-2023 19-8-2023	3	15 <sup>TH</sup> August independence day  Unit-III System model 1. Deadlock characterization, prevention, detection and avoidance, recovery from deadlock 16 <sup>th</sup> August parsi new year

August	4 <sup>th</sup> week	21-8-2023 26-8-2023	3	2. Banker's algorithm 3. Swapping, contiguous memory allocation
August	5 <sup>th</sup> week	28-8-2023 02-9-2023	3	30 <sup>th</sup> August Raksha Bandhan  1. Paging, structure of the page table, segmentation, virtual memory, demand paging.
September	1 <sup>st</sup> week	4-9-2023 9-9-2023	3	5 September Teachers day Celebration  7 <sup>th</sup> September Janmashtmi  Page-replacement algorithms, allocation of frames, thrashing, case study.  Practical-5: Linux commands: Working with files.
September	2 <sup>nd</sup> week	11-9-2023 16-9-2023	3	ATKT Exams of Sem-II & Sem – IV  Unit-IV File System 2. Concept of a file 3. Access methods 4. Directory structure
September	3 <sup>rd</sup> Week	18-9-2023 23-9-2023	3	19 <sup>th</sup> Sept to 23 <sup>rd</sup> Sept Ganpati Festival  1. File system structure 2. Directory implementation 3. Allocation methods
September	4 <sup>th</sup> week	25-9-2023 30-9-2023	3	28 <sup>th</sup> Sept Anant Chaturdashi & Eid-E-Milad  1. Free-space management, efficiency and performance 2. Comparison of UNIX and Windows
October	1 <sup>st</sup> week	2-10-2023 7-10-2023	3	2 Oct Gandhi Jayanti  1. File system mounting 2. File sharing, protection Practical 6: Windows (DOS) Commands

				– 1.
	2 <sup>st</sup> week	9-10-2023 14-10-2023	3	Unit-V Resource Management and Security. 1. Resource management issues 2. Types of resources Practical 7: Windows (DOS) Commands – 2.
	3 <sup>nd</sup> week	16-10-2023 21-10-2023	3	1. Integrated resource scheduling 2. Queuing models of scheduling Practical 8: Working with Windows Desktop and utilities.
	4 <sup>th</sup> week	23-10-2023 28-10-2023	3	24 <sup>th</sup> Oct Dussehra (Regular exam Sem-III) 1. Protection of resources (hardware, software, attacks)
November	1 <sup>st</sup> week	30-10-2023 04-11-2023	3	2. Security policies Practical 9: Working with Linux Desktop and utilities.
	2 <sup>nd</sup> week	06-11-2023 11-11-2023	3	10 <sup>th</sup> November Dhanteras Practical 10: Installing utility software on Linux and Windows.
	3 <sup>rd</sup> Week	13-11-2023 27-11-2023		13 <sup>th</sup> November to 27 <sup>th</sup> November Diwali Vacation



## Eknath B Madhavi Senior College, Dombivli

### Teaching Plan

Academic Year: 2023-24

Name of the Teacher :Mr.Prasad Umarji Sir	Faculty	Course : Bsc.IT
Department : IT	Subject:Python	

Class :S.Y.Bsc.IT

Month:-June-Nov 2023

Month	Week	Dates of the week	No of the lectures	Topic
June	3 <sup>rd</sup> Week	19-6-2023 24-6-2023	3	Reopening  Unit-I Introduction: The Python Programming Language, History, features,Installing Python, Running Python program, Debugging : Syntax Errors, Runtime Errors? 21 <sup>st</sup> June Yoga day Celebration
June	4 <sup>th</sup> week	26-6-2023 01-7-2023	3	29 <sup>th</sup> June Holiday on account of Bakri Id  Semantic Errors, Experimental Debugging, Formal and Natural Languages, The Difference Between Brackets, Braces, and Parentheses.
July	1 <sup>st</sup> week	03-7-2023 08-7-2023	3	6 <sup>th</sup> July Ashadi Ekadashi and Guru Purnima Day celebration  Variables and Expressions Values and Types, Variables, Variable Names and Keywords, Type conversion, Operators and Operands.

July	2 <sup>nd</sup> week	10-7-2023 15-7-2023	3	<p>Conditional Statements: if, if-else, nested if –else Looping Control statements</p> <p>Practical 1: Write the program for the following:-Create a program that asks the user to enter their name and their age. Print out a message addressed to them that tells them the year that they will turn 100 years old.</p>
July	3 <sup>rd</sup> Week	17-7-2023 22-7-2023	3	<p>Unit-II Functions: Function Calls, Type Conversion Functions, Math Functions, Composition, Adding New Functions, Definitions and Uses, Flow of Execution, Parameters and Arguments, Variables and Parameters Are Local.</p> <p>practical 2: Write the program for the following. Write a function that takes a character (i.e. a string of length 1) and returns True if it is a vowel, False otherwise.</p>
July	4 <sup>th</sup> week	24-7-2023 29-7-2023	3	<p>29<sup>th</sup> July Muharram Holiday</p> <p>Stack Diagrams, Fruitful Functions and Void Functions, Why Functions? Importing with from, Return Values, Incremental Development, Composition, Boolean Functions, More Recursion, Leap of Faith, Checking Types.</p>
August	1 <sup>st</sup> week	31-7-2023 5-8-2023	3	<p>Strings</p> <p>Practical 3: A pangram is a sentence that contains all the letters of the English alphabet at least once, for example: The quick brown fox jumps over the lazy dog. Your task is to write a function to check a sentence to see if it is a pangram or not.</p>
August	2 <sup>nd</sup> week	7-8-2023 12-8-2023	3	<p>Practical 4. Write a program that takes two lists and returns True if they have at least one common member.</p>

August	3 <sup>rd</sup> Week	14-8-2023 19-8-2023	3	15 <sup>TH</sup> August independence day  Unit-III Lists: Values and Accessing Elements, Lists are mutable, traversing a List, Deleting elements from List, Built-in List Operators, Concatenation. 16 <sup>th</sup> August parsi new year
August	4 <sup>th</sup> week	21-8-2023 26-8-2023	3	Tuples and Dictionaries: Tuples, Accessing values in Tuples, Tuple Assignment, Tuples as return values, Variable-length argument tuples, Basic tuples operations.
August	5 <sup>th</sup> week	28-8-2023 02-9-2023	3	30 <sup>th</sup> August Raksha Bandhan  Creating a Dictionary, Accessing Values in a dictionary, Updating Dictionary, Deleting Elements from Dictionary, Properties of Dictionary keys, Operations in Dictionary.
September	1 <sup>st</sup> week	4-9-2023 9-9-2023	3	5 September Teachers day Celebration  Files: Text Files, The File Object Attributes, Directories, Exceptions.  Practical-5: Write the program for the following: Write a Python script to sort (ascending and descending) a dictionary by value.  7 <sup>th</sup> September Janmashtmi
September	2 <sup>nd</sup> week	11-9-2023 16-9-2023	3	ATKT Exams of Sem-II & Sem – IV  Unit-IV Regular Expressions – Concept of regular expression, various types of regular expressions, using match function.
September	3 <sup>rd</sup> Week	18-9-2023 23-9-2023	3	19 <sup>th</sup> Sept to 23 <sup>rd</sup> Sept Ganpati Festival  Classes and Objects: Overview of OOP (Object Oriented Programming), Class

				Definition, Creating Objects.
September	4 <sup>th</sup> week	25-9-2023 30-9-2023	3	28 <sup>th</sup> Sept Anant Chaturdashi & Eid-E-Milad  Multithreaded Programming: Thread Module, creating a thread, synchronizing threads, multithreaded priority queue.
October	1 <sup>st</sup> week	2-10-2023 7-10-2023	3	2 Oct Gandhi Jayanti  Modules: Importing module, Creating and exploring modules, Math module.  Practical 6: Write a Python program to read an entire text file.
	2 <sup>nd</sup> week	9-10-2023 14-10-2023	3	Unit-V Templates Creating the GUI Form and Adding Widgets:Button, Canvas, Checkbutton, Entry, Frame, Label, Listbox,Menubutton, Menu, Message, Radiobutton, Scale, Scrollbar, text.  Practical 7: Design a class that store the information of student and display the same.
	3 <sup>rd</sup> week	16-10-2023 21-10-2023	3	Layout Management: Designing GUI applications with proper Layout Management features. Practical 8: Open a new file in IDLE (“New Window” in the “File” menu) and save it asgeometry.py in the directory where you keep the files you create for this course.Then copy the functions you wrote for calculating volumes and areas in the“Control Flow and Functions” exercise into this file and save it.
	4 <sup>th</sup> week	23-10-2023 28-10-2023	3	24 <sup>th</sup> Oct Dussehra (Regular exam Sem-III)  Look and Feel Customization: Enhancing Look and Feel of GUI using different appearances of widgets.

November	1 <sup>st</sup> week	30-10-2023 04-11-2023	3	Probability Axioms and  Storing Data in Our MySQL Database via Our GUI : Connecting to a MySQL database from Python, Configuring the MySQL connection.  Practical 9: Try to configure the widget with various options like: bg="red", family="times",size=18.
	2 <sup>nd</sup> week	06-11-2023 11-11-2023	3	10 <sup>th</sup> November Dhanteras  Practical 10: Design the database applications for the following.
	3 <sup>rd</sup> Week	13-11-2023 27-11-2023		13 <sup>th</sup> November to 27 <sup>th</sup> November Diwali Vacation

# Eknath B Madhavi Senior College, Dombivli

## Teaching Plan

Academic Year: 2023-24

Name of the Teacher : Prasad umarji	Faculty	Course : IT
Department : it		

Class : sybscit

Sub-CGA

Month	Week	Dates of the week	No of the lectures	Topic
November	4 <sup>th</sup> week	28-11-2023 30-11-2023	3	Re-opening of College Introduction to Computer Graphics:
December	1 <sup>st</sup> week	01-12-2023 02-12-2023	3	Exams of 1 <sup>st</sup> year students Description of some graphics devices, Input Devices for Operator Interaction
	2 <sup>nd</sup> week	04-12-2023 09-12-2023	3	Exams of 1 <sup>st</sup> year students Scan conversion – Digital Differential Analyzer (DDA) algorithm, Bresenham's Line drawing algorithm. .
	3 <sup>rd</sup> week	11-12-2023 16-12-2023	3	Two-Dimensional Transformations: Transformations and Matrices, Transformation Conventions, 2D Transformations, Homogeneous
	4 <sup>th</sup> week	18-12-2023 23-12-2023	3	Three-Dimensional Scaling, Three- Dimensional Shearing, Three- Dimensional Rotation,
	5 <sup>th</sup> week	25-12-2023 30-12-2023	0	Christmas Vacation
January	1 <sup>st</sup> week	02-01-2024 06-01-2024	3	Cultural activities from 4 <sup>th</sup> Jan, 2024 to 13 <sup>th</sup> Jan, 2024 Viewing in 3D Stages in 3D viewing, Canonical View Volume (CVV), Specifying an Arbitrary 3D View, Examples of 3D Viewing, The Mathematics of

				Planar Geometric Projections, Combined transformation matrices
	2 <sup>nd</sup> week	08-01-2024 13-01-2024	3	Cultural and sports activities Light: Radiometry, Transport, Equation, Photometry
	3 <sup>rd</sup> week	15-01-2024 20-01-2024	3	15 <sup>th</sup> January, Makar Sankranti Color: Colorimetry, Color Spaces, Chromatic Adaptation, Color Appearance 20 <sup>th</sup> January, Annual Sports Day
	4 <sup>th</sup> week	22-01-2024 27-01-2024	3	22 <sup>th</sup> January, Lord Shri Ram Mandir Pran Pratistha The 8051 Microcontrollers: Microcontrollers 24 <sup>th</sup> January, Distribution of Regular & ATKT Marksheets 26 <sup>th</sup> January, Republic Day Celebration
	5 <sup>th</sup> week	29-01-2024 31-01-2024	3	Visible-Surface Determination: Techniques for efficient Visible-Surface Algorithms, Categories of algorithms, Back face removal,.
February	1 <sup>st</sup> week	01-02-2024 03-02-2024	3	Plane Curves and Surfaces: Curve Representation, Nonparametric Curves,
	2 <sup>nd</sup> week	05-02-2024 10-02-2024	3	6 <sup>th</sup> February, Form filling of Regular & ATKT exams IParametric Curves, Parametric Representation of a Circle, Parametric Representation of an Ellipse, Parametric Representation of a Parabola,)
	3 <sup>rd</sup> week	12-02-2024 17-02-2024	3	Representation of a Parabola, Parametric Representation of a Hyperbola
	4 <sup>th</sup> week	19-02-2024 24-02-2024	3	19 <sup>th</sup> February, Shivaji Jayanti Bezier Curves, B-spline Curves, B-spline Curve Fit, B-spline Curve Subdivision, Parametric Cubic Curves, Quadric Surfaces. Bezier
	5 <sup>th</sup> week	26-02-2024 29-02-2024	3	Computer Animation: Principles of Animation

March	1 <sup>st</sup> week	01-03-2024 02-03-2024	3	linking and debugging.
	2 <sup>nd</sup> week	04-03-2024 09-03-2024	3	8 <sup>th</sup> March, Mahashivratri Physics-Based Animation, Procedural Techniques,
	3 <sup>rd</sup> week	11-03-2024 16-03-2024	3	Image Manipulation and Storage: What is an Image? Digital image file formats, Image compression standard
	4 <sup>th</sup> week	18-03-2024 23-03-2024	3	Design and Development: Embedded system development Environment – IDE.
	5 <sup>th</sup> week	25-03-2024 30-03-2024	2	25 <sup>th</sup> March, Holi Reflection through an Arbitrary Plane, Matrix Representation of 3D Transformations, 29 <sup>th</sup> March, Good Friday
April	1 <sup>st</sup> week	01-04-2024 06-04-2024	3	Cohen-Sutherland and Liang-Barsky, Clipping Polygons, problem with multiple components.
	2 <sup>nd</sup> week	08-04-2024 13-04-2024	3	9 <sup>th</sup> April, Gudi Padwa A Geometric Interpretation of Homogeneous Coordinates, The Window-to-Viewport 11 <sup>th</sup> April, Ramzan Eid.
	3 <sup>rd</sup> week	15-04-2024 20-04-2024	3	17 <sup>th</sup> April, Ram Navmi Three-Dimensional Scaling, Three-Dimensional Shearing, Three-Dimensional Rotation, Three-Dimensional Reflection,
	4 <sup>th</sup> week	22-04-2024 27-04-2024	0	exams
	5 <sup>th</sup> week	29-04-2024 30-04-2024	0	exams

# Eknath B Madhavi Senior College, Dombivli

## Teaching Plan

Academic Year: 2023-24

Name of the Teacher : Prasad umarje	Faculty	Course : it
Department : it		

Class : sybscit

Sub:- core java

Month	Week	Dates of the week	No of the lectures	Topic
November	4 <sup>th</sup> week	28-11-2023 30-11-2023	3	Re-opening of College Introduction: History, architecture and its components, Java Class.
December	1 <sup>st</sup> week	01-12-2023 02-12-2023	3	Exams of 1 <sup>st</sup> year students Data types: primitive data types. Practical 1:- Write a Java program that takes a number as input and prints its multiplication table upto 10.
	2 <sup>nd</sup> week	04-12-2023 09-12-2023	3	Exams of 1 <sup>st</sup> year students Methods References, Type Annotations, Method.
	3 <sup>rd</sup> week	11-12-2023 16-12-2023	3	increment and decrement operator, relational operator, practical 2 :-Write a Java program to add two binary numbers.
	4 <sup>th</sup> week	18-12-2023 23-12-2023	3	Control Flow Statements: The If...Else If...Else Statement,
	5 <sup>th</sup> week	25-12-2023 30-12-2023	0	Christmas Vacation
January	1 <sup>st</sup> week	02-01-2024 06-01-2024	3	Cultural activities from 4 <sup>th</sup> Jan, 2024 to 13 <sup>th</sup> Jan, 2024 Classes: Types of Classes, Scope Rules, Access Modifier,
	2 <sup>nd</sup> week	08-01-2024 13-01-2024	3	Cultural and sports activities Characteristics Of Members Of A Class, constants,
	3 <sup>rd</sup> week	15-01-2024 20-01-2024	3	15 <sup>th</sup> January, Makar Sankranti Inheritance: Derived Class Objects,

				Inheritance 20 <sup>th</sup> January, Annual Sports Day
	4 <sup>th</sup> week	22-01-2024 27-01-2024	3	22 <sup>th</sup> January, Lord Shri Ram Mandir Pran Pratistha Abstract Classes And Interfaces 24 <sup>th</sup> January, Distribution of Regular & ATKT Marksheet 26 <sup>th</sup> January, Republic Day Celebration
	5 <sup>th</sup> week	29-01-2024 31-01-2024	3	Method Implementation, Practical 3:-Write a Java program to count the letters, spaces, numbers and other characters of an input string.
February	1 <sup>st</sup> week	01-02-2024 03-02-2024	3	Implementing Interfaces. Practical 4:-Designed a class SortData that contains the method asc() and desc().
	2 <sup>nd</sup> week	05-02-2024 10-02-2024	3	6 <sup>th</sup> February, Form filling of Regular & ATKT exams Packages: Creating Packages, 10 <sup>th</sup> February, Prize distribution (Tentative)
	3 <sup>rd</sup> week	12-02-2024 17-02-2024	3	Enumerations, Arrays: Two Dimensional Arrays,
	4 <sup>th</sup> week	19-02-2024 24-02-2024	3	19 <sup>th</sup> February, Shivaji Jayanti Multithreading: the thread control methods,
	5 <sup>th</sup> week	26-02-2024 29-02-2024	3	Exceptions: Catching Java Exceptions, Practical 5:-Write a java program to implement single level inheritance.
March	1 <sup>st</sup> week	01-03-2024 02-03-2024	3	Byte streams: reading console input, Practical 6:-Create a package, Add the necessary classes and import the package in java class.
	2 <sup>nd</sup> week	04-03-2024 09-03-2024	3	8 <sup>th</sup> March, Mahashivratri Event Handling: Delegation Event Model,
	3 <sup>rd</sup> week	11-03-2024 16-03-2024	3	Abstract Window Toolkit: Practical 7:-Write a java program to implement the vectors.
	4 <sup>th</sup> week	18-03-2024 23-03-2024	3	Layouts: Flow Layout, Practical 8:-Write a java program to open a file and display the contents in the console window.
	5 <sup>th</sup> week	25-03-2024	2	25 <sup>th</sup> March, Holi

		30-03-2024		Card Layout. 29 <sup>th</sup> March, Good Friday
April	1 <sup>st</sup> week	01-04-2024 06-04-2024	3	Multiple Inheritance, Default Implementation, Practical 9:-Design a AWT program to print the factorial for an input value.
	2 <sup>nd</sup> week	08-04-2024 13-04-2024	3	9 <sup>th</sup> April, Gudi Padwa Handling Multiple Exceptions, 11 <sup>th</sup> April, Ramzan Eid
	3 <sup>rd</sup> week	15-04-2024 20-04-2024	3	17 <sup>th</sup> April, Ram Navmi Abstract Classes, Abstract Methods,
	4 <sup>th</sup> week	22-04-2024 27-04-2024	3	Handling Multiple Exceptions, Practical 10:-Design an AWT application that contains the interface to add student information and display the same.
	5 <sup>th</sup> week	29-04-2024 30-04-2024	3	Grid Layout, Border Layout,

# Eknath B Madhavi Senior College, Dombivli

## Teaching Plan

Academic Year: 2023-24

Name of the Teacher : RAVIKANT AHIRE	Faculty	Course : it
Department : it		

Class : sybscit

Sub-Introduction To Embedded System

Month	Week	Dates of the week	No of the lectures	Topic
November	4 <sup>th</sup> week	28-11-2023 30-11-2023	3	Re-opening of College Introduction: Embedded Systems Practical 1:-Design and develop a reprogrammable embedded computer using 8051 microcontrollers .
December	1 <sup>st</sup> week	01-12-2023 02-12-2023	3	Exams of 1 <sup>st</sup> year students Core of embedded systems
	2 <sup>nd</sup> week	04-12-2023 09-12-2023	3	Exams of 1 <sup>st</sup> year students Programmable logic devices, Practical 2:-Configure timer control registers of 8051 and develop a program to generate given time delay.
	3 <sup>rd</sup> week	11-12-2023 16-12-2023	3	Characteristics and quality attributes of embedded systems:
	4 <sup>th</sup> week	18-12-2023 23-12-2023	3	Embedded Systems – Application and Domain Specific
	5 <sup>th</sup> week	25-12-2023 30-12-2023	0	Christmas Vacation
January	1 <sup>st</sup> week	02-01-2024 06-01-2024	3	Cultural activities from 4 <sup>th</sup> Jan, 2024 to 13 <sup>th</sup> Jan, 2024 Embedded Hardware: Memory map,
	2 <sup>nd</sup> week	08-01-2024 13-01-2024	3	Cultural and sports activities ROM, types of RAM and ROM,
	3 <sup>rd</sup> week	15-01-2024 20-01-2024	3	15 <sup>th</sup> January, Makar Sankranti Peripherals: Control and Status Registers, 20 <sup>th</sup> January, Annual Sports Day

	4 <sup>th</sup> week	22-01-2024 27-01-2024	3	22 <sup>th</sup> January, Lord Shri Ram Mandir Pran Pratistha The 8051 Microcontrollers: Microcontrollers 24 <sup>th</sup> January, Distribution of Regular & ATKT Marksheets 26 <sup>th</sup> January, Republic Day Celebration
	5 <sup>th</sup> week	29-01-2024 31-01-2024	3	Ports, and Circuits, External Memory.
February	1 <sup>st</sup> week	01-02-2024 03-02-2024	3	8051 Programming in C:
	2 <sup>nd</sup> week	05-02-2024 10-02-2024	3	6 <sup>th</sup> February, Form filling of Regular & ATKT exams I/O Programming, 10 <sup>th</sup> February, Prize distribution (Tentative)
	3 <sup>rd</sup> week	12-02-2024 17-02-2024	3	Designing Embedded System with 8051 Microcontroller:
	4 <sup>th</sup> week	19-02-2024 24-02-2024	3	19 <sup>th</sup> February, Shivaji Jayanti Designing with 8051.
	5 <sup>th</sup> week	26-02-2024 29-02-2024	3	Programming embedded systems:
March	1 <sup>st</sup> week	01-03-2024 02-03-2024	3	linking and debugging.
	2 <sup>nd</sup> week	04-03-2024 09-03-2024	3	8 <sup>th</sup> March, Mahashivratri Real Time Operating System (RTOS):
	3 <sup>rd</sup> week	11-03-2024 16-03-2024	3	Real-Time Characteristics.
	4 <sup>th</sup> week	18-03-2024 23-03-2024	3	Design and Development: Embedded system development Environment – IDE.
	5 <sup>th</sup> week	25-03-2024 30-03-2024	2	25 <sup>th</sup> March, Holi embedded product development life- cycle. 29 <sup>th</sup> March, Good Friday
April	1 <sup>st</sup> week	01-04-2024 06-04-2024	3	8051 Microcontroller hardware.
	2 <sup>nd</sup> week	08-04-2024 13-04-2024	3	9 <sup>th</sup> April, Gudi Padwa memory testing, CRC ,Flash memory. 11 <sup>th</sup> April, Ramzan Eid.
	3 <sup>rd</sup> week	15-04-2024	3	17 <sup>th</sup> April, Ram Navmi

		20-04-2024		Circuits, External Memory.
	4 <sup>th</sup> week	22-04-2024 27-04-2024	3	Selection Process of an RTOS.
	5 <sup>th</sup> week	29-04-2024 30-04-2024	3	simulator, emulator and debugging.

# Eknath B Madhavi Senior College, Dombivli

## Teaching Plan

Academic Year: 2023-24

Name of the Teacher : ANIL SHARMA	Faculty	Course : it
Department : it		

Class : sybscit

Sub-Computer Oriented Statistical Techniques

Month	Week	Dates of the week	No of the lectures	Topic
November	4 <sup>th</sup> week	28-11-2023 30-11-2023	3	Re-opening of College The Mean, Median, Mode, and Other Measures of Central Tendency.
December	1 <sup>st</sup> week	01-12-2023 02-12-2023	3	THE WEIGHTED ARITHMETIC MEAN
	2 <sup>nd</sup> week	04-12-2023 09-12-2023	3	Exams of 1 <sup>st</sup> year students THE ARITHMETIC MEAN COMPUTED FROM GROUPED DATA.
	3 <sup>rd</sup> week	11-12-2023 16-12-2023	3	THE EMPIRICAL RELATION BETWEEN THE MEAN, MEDIAN, AND MODE
	4 <sup>th</sup> week	18-12-2023 23-12-2023	3	DISPERSION, OR VARIATION
	5 <sup>th</sup> week	25-12-2023 30-12-2023	0	Christmas Vacation
January	1 <sup>st</sup> week	02-01-2024 06-01-2024	3	Cultural activities from 4 <sup>th</sup> Jan, 2024 to 13 <sup>th</sup> Jan, 2024 THE 10-90 PERCENTILE RANGE THE VARIANCE
	2 <sup>nd</sup> week	08-01-2024 13-01-2024	3	Cultural and sports activities SHEPPARD'S CORRECTION FOR VARIANCE
	3 <sup>rd</sup> week	15-01-2024 20-01-2024	3	15 <sup>th</sup> January, Makar Sankranti Moments, Skewness, and Kurtosis 20 <sup>th</sup> January, Annual Sports Day
	4 <sup>th</sup> week	22-01-2024 27-01-2024	3	22 <sup>th</sup> January, Lord Shri Ram Mandir Pran Pratistha Elementary Probability Theory 24 <sup>th</sup> January, Distribution of Regular &

				ATKT Marksheets 26 <sup>th</sup> January, Republic Day Celebration
	5 <sup>th</sup> week	29-01-2024 31-01-2024	3	Ports, and Circuits, External Memory.
February	1 <sup>st</sup> week	01-02-2024 03-02-2024	3	8051 Programming in C:
	2 <sup>nd</sup> week	05-02-2024 10-02-2024	3	6 <sup>th</sup> February, Form filling of Regular & ATKT exams I/O Programming, 10 <sup>th</sup> February, Prize distribution (Tentative)
	3 <sup>rd</sup> week	12-02-2024 17-02-2024	3	Designing Embedded System with 8051 Microcontroller:
	4 <sup>th</sup> week	19-02-2024 24-02-2024	3	19 <sup>th</sup> February, Shivaji Jayanti Designing with 8051.
	5 <sup>th</sup> week	26-02-2024 29-02-2024	3	Programming embedded systems:
March	1 <sup>st</sup> week	01-03-2024 02-03-2024	3	linking and debugging.
	2 <sup>nd</sup> week	04-03-2024 09-03-2024	3	8 <sup>th</sup> March, Mahashivratri Real Time Operating System (RTOS):
	3 <sup>rd</sup> week	11-03-2024 16-03-2024	3	Real-Time Characteristics.
	4 <sup>th</sup> week	18-03-2024 23-03-2024	3	Design and Development: Embedded system development Environment – IDE.
	5 <sup>th</sup> week	25-03-2024 30-03-2024	2	25 <sup>th</sup> March, Holi embedded product development life-cycle. 29 <sup>th</sup> March, Good Friday
April	1 <sup>st</sup> week	01-04-2024 06-04-2024	3	8051 Microcontroller hardware.
	2 <sup>nd</sup> week	08-04-2024 13-04-2024	3	9 <sup>th</sup> April, Gudi Padwa memory testing, CRC ,Flash memory. 11 <sup>th</sup> April, Ramzan Eid.
	3 <sup>rd</sup> week	15-04-2024 20-04-2024	3	17 <sup>th</sup> April, Ram Navmi Circuits, External Memory.
	4 <sup>th</sup> week	22-04-2024 27-04-2024	3	Selection Process of an RTOS.
	5 <sup>th</sup> week	29-04-2024 30-04-2024	3	simulator, emulator and debugging.



# Eknath B Madhavi Senior College, Dombivli

## Teaching Plan

Academic Year: 2023-24

Name of the Teacher : Prasad Umarji	Faculty	Course : it
Department : it		

Class : sybscit

Sub-Software Engineering

Month	Week	Dates of the week	No of the lectures	Topic
November	4 <sup>th</sup> week	28-11-2023 30-11-2023	3	Re-opening of College Introduction: What is software engineering? Software Development Life Cycle, Requirements Analysis, Software Design, Coding, Testing, Maintenance etc.
December	1 <sup>st</sup> week	01-12-2023 02-12-2023	3	Exams of 1 <sup>st</sup> year students Software Requirements: Functional and Non-functional requirements,
	2 <sup>nd</sup> week	04-12-2023 09-12-2023	3	Exams of 1 <sup>st</sup> year students Software Processes: Process and Project, Component Software Processes.
	3 <sup>rd</sup> week	11-12-2023 16-12-2023	3	Socio-technical system: Essential characteristics of socio technical systems, Emergent System Properties, Systems Engineering,
	4 <sup>th</sup> week	18-12-2023 23-12-2023	3	Components of system such as organization, people and computers, Dealing Legacy Systems.
	5 <sup>th</sup> week	25-12-2023 30-12-2023	0	Christmas Vacation
January	1 <sup>st</sup> week	02-01-2024 06-01-2024	3	Cultural activities from 4 <sup>th</sup> Jan, 2024 to 13 <sup>th</sup> Jan, 2024

				Critical system: Types of critical system, A simple safety critical system, Dependability of a system,
	2 <sup>nd</sup> week	08-01-2024 13-01-2024	3	Cultural and sports activities Requirements Engineering Processes:
	3 <sup>rd</sup> week	15-01-2024 20-01-2024	3	15 <sup>th</sup> January, Makar Sankranti System Models: Models and its types, Context Models, Behavioural Models, Data Models, Object Models, Structured Methods.20 <sup>th</sup> January, Annual Sports Day
	4 <sup>th</sup> week	22-01-2024 27-01-2024	3	22 <sup>th</sup> January, Lord Shri Ram Mandir Pran Pratistha Architectural Design: Architectural Design Decisions, System Organisation, Modular 24 <sup>th</sup> January, Distribution of Regular & ATKT Marksheets 26 <sup>th</sup> January, Republic Day Celebration
	5 <sup>th</sup> week	29-01-2024 31-01-2024	3	Ports, and Circuits, External Memory.
February	1 <sup>st</sup> week	01-02-2024 03-02-2024	3	8051 Programming in C:
	2 <sup>nd</sup> week	05-02-2024 10-02-2024	3	6 <sup>th</sup> February, Form filling of Regular & ATKT exams I/O Programming, 10 <sup>th</sup> February, Prize distribution (Tentative)
	3 <sup>rd</sup> week	12-02-2024 17-02-2024	3	Designing Embedded System with 8051 Microcontroller:
	4 <sup>th</sup> week	19-02-2024 24-02-2024	3	19 <sup>th</sup> February, Shivaji Jayanti Designing with 8051.
	5 <sup>th</sup> week	26-02-2024 29-02-2024	3	Programming embedded systems:
March	1 <sup>st</sup> week	01-03-2024 02-03-2024	3	linking and debugging.
	2 <sup>nd</sup> week	04-03-2024 09-03-2024	3	8 <sup>th</sup> March, Mahashivratri Real Time Operating System (RTOS):
	3 <sup>rd</sup> week	11-03-2024 16-03-2024	3	User Interface Design: Need of UI design, Design issues, The UI

				design Process,
	4 <sup>th</sup> week	18-03-2024 23-03-2024	3	Design and Development: Embedded system developmentEnvironment – IDE.
	5 <sup>th</sup> week	25-03-2024 30-03-2024	2	25 <sup>th</sup> March, Holi Project Management Software Project Management, Management activities, Project Planning, Project Scheduling, Risk Management.. 29 <sup>th</sup> March, Good Friday
April	1 <sup>st</sup> week	01-04-2024 06-04-2024	3	Verification and Validation: Planning Verification and Validation, Software Inspections,
	2 <sup>nd</sup> week	08-04-2024 13-04-2024	3	9 <sup>th</sup> April, Gudi Padwa Process Improvement: Process and product quality, Process Classification, 11 <sup>th</sup> April, Ramzan Eid.
	3 <sup>rd</sup> week	15-04-2024 20-04-2024	3	17 <sup>th</sup> April, Ram Navmi Service Oriented Software Engineering:
	4 <sup>th</sup> week	22-04-2024 27-04-2024		exams
	5 <sup>th</sup> week	29-04-2024 30-04-2024		exams