Teaching Plan

Name of Teacher: - prof. Nishant Hanumant Pawar.

Year: - 2023-24   Term: -I

Sub: - Digital Marketing   Paper: - CA-301   Class: - SYBBA(CA)   Division:- No

| | Prat-I Teaching Plan | | | | Part-II Execution Plan | | | | |
Sr. No	Month	Week	No.Of Working Days	No.Of period available	Topic to be taught	No.Of period engaged	Topics Taught	Deviation in period	Remark
1.	Aug	2nd	6	4 Hrs	UNIT I E-Commerce	4 Hrs	Introduction, Understanding Internet Marketing, Search Engine Optimization, Search Engine Marketing, Email Marketing, Digital Display Marketing	-	Completed
2.	Aug	3rd	6	4 Hrs	UNIT II Introduction to New Age Media (Digital) Marketing	4 Hrs	What is Digital Marketing, Digital vs. Real Marketing , Digital Marketing Channels , Types of Digital Marketing(Overview)- Internet Marketing ,Social Media Marketing, Mobile Marketing	-	Completed
3.	Aug	4th	6	4 Hrs	UNIT III Creating Initial Digital Marketing Plan	4 Hrs	Content management, SWOT analysis: Strengths, Weaknesses, Opportunities, andThreats ,Target group analysis EXERCISE: Define a target group	-	completed
4	Sep	1st	6	4 Hrs	UNIT IV Marketing using Web Sites	4 Hrs	Web design, Optimization of Web sites, MS Expression Web EXERCISE: Creating web sites, MS Expression	-	Completed
5	Sep	2nd	6	4 Hrs	UNIT V Search Engine	4 Hrs	SEO Optimization, Writing the SEO content EXERCISE: Writing the SEO content	-	Completed

					Optimi zation				
6	Sep	3rd	6	4 Hrs	**UNIT VI** Custom er Relation ship Manage ment	4 Hrs	Customer Relationship Management, Introduction to CRM, CRM platform, CRM models EXERCISE: CRM strategy.	–	Completed
7.	Sep	4th	6	4 Hrs	**UNIT VII** Social Media Marke ting	4 Hrs	7.1 Understanding Social Media Marketing 7.2 Social Networking (Facebook, Linkedin, Twitter, etc.) Social Media (Blogging, Video Sharing - Youtube, Photosharing – Instagram, Podcasts)	–	Completed
8.	oct	1st	6	4 Hrs	**UNIT VII** Social Media Marke ting	4 Hrs	7.3 Web analytics - levels 7.4 Modes of Social Media Marketing7.4.1 Creating a Facebook page Visual identity of a Facebook page , Types of publications, Facebook Ads , Creating Facebook Ads , Ads Visibility	–	Completed
9.	oct	2nd	6	4 Hrs	**UNIT VII** Social Media Marketi ng	4 Hrs	Business opportunities and Instagram options Optimization of Instagram profiles , Integrating Instagram with a Web Site and other social networks ,Keeping up with posts, Business tools on LinkedIn Creating campaigns on LinkedIn , Analyzing visitation on LinkedIn	–	Completed
10.	oct	3rd	6	4 Hrs	**UNIT VII** Social Media Marke ting	4 Hrs	Creating business accounts on YouTube , YouTube Advertising , YouTube Analytics , E-mail marketing E-mail marketing plan , E-mail marketing campaign analysis , Keeping up with conversions	–	Completed
					UNIT		Digital Marketing tools:		

| 11. | oct | 4th | 6 | 4 Hrs | VII Social Media Marketing | 4 Hrs | Google Ads, Facebook Ads, Google Analytic, Zapier, Google Keyword Planner EXERCISE: Social Media Marketing plan. EXERCISE: Making a Facebook page and Google Ads | - | Completed |
| 12. | Nov | 1st | 6 | 4 Hrs | UNIT VIII Digital Marketing Budgeting | 4 Hrs | Resource planning, Cost estimating, Cost budgeting, Cost control | - | Completed |

Faculty

HOD Head
Department Of BBA(CA)
Arts, Science and Commerce College
Indapur, Dist. Pune-413106

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Teaching Plan

Name of Teacher: - prof. Hanumant Namdeo Shinde.

Year: - 2023-24 **Term: -**I

Sub: - Data Structure **Paper: -** CA-302 **Class: -** SYBBA(CA) **Division:-** No

	Prat-I Teaching Plan				Part-II Execution Plan				
Sr. No	Month	Week	No.Of Working Days	No.Of period available	Topic to be taught	No.Of period engaged	Topics Taught	Deviation in period	Remark
1.	Aug	2nd	6	4 Hrs	UNIT I Basic Concept and Introduction to Data Structure	4 Hrs	Pointers and dynamic memory allocation, Algorithm-Definition and characteristics, Algorithm Analysis -Space Complexity -Time Complexity - Asymptotic Notation Introduction to Data structure , Types of Data structure.	-	Completed
2.	Aug	3rd	6	4 Hrs	UNIT I PHP Basics UNIT II Linear data structures	4 Hrs	Abstract Data Types (ADT) Introduction to Arrays and Structure 1.6 Types of array and Representation of array, Polynomial - Polynomial Representation - Evaluation of Polynomial - Addition of Polynomial , Self-Referential Structure. Introduction to Arrays - array representation.	-	Completed
3.	Aug	4th	6	4 Hrs	UNIT II Control Structures and Loops UNIT III Linked List	4 Hrs	Sorting algorithms with efficiency - Bubble sort, Insertion sort, Merge sort, Quick Sort, Selection Sort , Searching techniques – Linear Search, Binary search. Introduction to Linked List , Implementation of Linked List – Static & Dynamic representation,	-	completed

4	Sep	1st	6	4 Hrs	**UNIT III** Linked List	4 Hrs	Types of Linked List - Singly Linked list (All type of operation)	-	Completed
5	Sep	2nd.	6	4 Hrs	**UNIT III** Functions, **UNIT IV** Stacks	4 Hrs	- Doubly Linked list (Create, Display) - Circularly Singly Linked list (Create, Display) - Circularly Doubly Linked list (Create, Display) , Generalized linked list – Concept and Representation Introduction, Representation- Static & Dynamic	-	Completed
6	Sep	3rd	6	4 Hrs	UNIT IV Stacks	4 Hrs	Primitive Operations on stack, Application of Stack, Conversion of Infix,	-	Completed
7.	sep	4th	6	4 Hrs	UNIT IV Stacks **UNIT V Queue**	4 Hrs	Primitive Operations on stack prefix, postfix, Evaluation of postfix and prefix. Simulating recursion using stack Introduction, Representation - Static & Dynamic, Primitive Operations on Queue, Circular queue, priority queue	-	Completed
8.	oct	1st	6	4 Hrs	**UNIT V Queue** **UNIT VI Trees**	4 Hrs	Concept of doubly ended queue. Concept & Terminologies, Binary tree, binary search tree	-	Completed
9.	oct	2nd	6	4 Hrs	**UNIT VI** Trees	4 Hrs	Representation – Static and Dynamic, Operations on BT and BST – create, Insert, delete, , counting leaf, non-leaf & total	-	Completed

							nodes .		
10.	oct	3rd	6	4 Hrs	UNIT VI Trees	4 Hrs	Tree Traversals (preorder, inorder, postorder) , Application - Heap sort , Height balanced tree- AVL trees- Rotations, AVL tree examples.	-	Completed
11.	oct	4th	6	4 Hrs	UNIT VII Graph Protecti ng Data	4 Hrs	Concept & terminologies, Graph Representation – Adjacency matrix, adjacency list, inverse Adjacency list, adjacency multi list, orthogonal list.	-	Completed
12.	Nov	1st	6	4 Hrs	UNIT VII Graph Protecti ng Data	4 Hrs	Degree of Graph, Traversals – BFS and DFS, Applications – AOV network – topological sort, AOE network – critical Path.	-	Completed

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Head
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Department Of BBA(CA)
Arts, Science and Commerce College
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COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

Teaching Plan

Name of Teacher: -   prof. Nishant Hanumant Pawar.

Year: - 2023-24   Term: - I

Sub: - Software Engineering   Paper: - CA-303   Class: - SYBBA(CA)   Division:- -

| | Prat-I Teaching Plan | | | | Part-II Execution Plan | | | | |
Sr. No	Month	Week	No.Of Working Days	No.Of period available	Topic to be taught	No.Of period engaged	Topics Taught	Deviation in period	Remark
1.	Aug	2nd	6	4 Hrs	UNIT I Introduction to System Concepts	4 Hrs	Definition, Basic Components, Elements of the System, Types of System, System Characteristics	-	Completed
2.	Aug	3rd	6	4 Hrs	UNIT II Introduction to Software Engineering	4 Hrs	Definition of Software Characteristics of Software Definition of Software Engineering	-	Completed
3.	Aug	4th	6	4 Hrs	UNIT II Introduction to Software Engineering UNIT III Software Development Life Cycle	4 Hrs	Need for Software Engineering, Mc Call's Quality factors, The Software Process, Software Product and Process, V& V Model Introduction, Activities of SDLC, A Generic Process Model	-	completed

4	Sep	1st	6	4 Hrs	UNIT III Software Development Life Cycle	4 Hrs	SDLC, Waterfall Model, Incremental Process Models	–	Completed
5	Sep	2nd,	6	4 Hrs	UNIT III Software Development Life Cycle UNIT IV Requirement Engineering	4 Hrs	Prototyping Model, Spiral Model Introduction, Requirement Elicitation	–	Completed
6	Sep	3rd	6	4 Hrs	UNIT IV Requirement Engineering	4 Hrs	Requirement Elaboration, Requirement Gathering, Feasibility study	–	Completed
7.	Sep	4th	6	4 Hrs	UNIT IV Stacks UNIT V Analysis And Design Tools	4 Hrs	Fact Finding Techniques, SRS Format Decision Tree and Decision Table, Data Flow Diagrams (DFD) (Up to 2nd level)	–	Completed
8	Oct	1st	6	4 Hrs	UNIT V Analysis And Design Tools	4 Hrs	Data Dictionary, Elements of DD, Advantages and Disadvantages of DD, Input and Output Design,	–	Completed
9.	Oct	2nd	6	4 Hrs	UNIT V Analysis And Design Tools	4 Hrs	Structured Design Concepts, Structure Chart,	–	Completed
10.	Oct	3rd	6	4 Hrs	UNIT V Analysis And	4 Hrs	Coupling and Cohesion, Compulsory Case Studies	–	Completed

					Design Tools		on above topics.		
					UNIT VI Softwar e Testing		Definition, Software testing Process, Unit Testing		
11.	Oct	4th	6	4 Hrs	**UNIT VI** Softwar e Testing	4 Hrs	Integration Testing, System Testing	–	Completed
12.	Nov	1st	6	4 Hrs	**UNIT VII** Softwa re Mainte nance and Softwa re Re- Engine ering	4 Hrs	Maintenance definition and types, Software reengineering, Reverse Engineering, Restructuring and forward Engineering.	–	Completed

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Teaching Plan

Name of Teacher: - prof. Shinde H.N..

Year: - 2023-24 Term: -I

Sub: - PHP   Paper: - CA-304   Class: - SYBBA(CA)   Division:- No
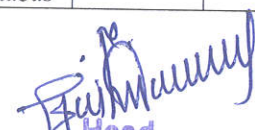
	Prat-I Teaching Plan				Part-II Execution Plan				
Sr. No	Month	Week	No.Of Working Days	No.Of period available	Topic to be taught	No.Of period engaged	Topics Taught	Deviation in period	Remark
1.	Aug	2nd	6	4 Hrs	UNIT I PHP Basics	4 Hrs	Setting up a development environment, Variables, numbers and strings,	-	Completed
2	Aug	3rd	6	4 Hrs	UNIT I PHP Basics UNIT II Control Structures and Loops	4 Hrs	Calculations with PHP, Using Arrays. Conditional Statements,	-	Completed
3.	Aug	4th	6	4 Hrs	UNIT II Control Structures and Loops	4 Hrs	Using Loops for Repetitive tasks, Using Loops for Repetitive tasks,	-	completed
4	Sep	1st	6	4 Hrs	UNIT II Control Structures and Loops UNIT III Functions,	4 Hrs	Combing Loops and Arrays. PHP's Built-in functions.	-	Completed
5	Sep	2nd,	6	4 Hrs	UNIT III Functions,	4 Hrs	Creating Custom functions, Passing Values by Reference, Understanding Objects.	-	Completed
6	Sep	3rd,	6	4 Hrs	UNIT IV Working with Forms	4 Hrs	Building a Form, Processing a Form's Data	-	Completed

7.	Sep	4th	6	4 Hrs	UNIT IV Working with Forms UNIT V More with Forms	4 Hrs	Differences between POST and GET, Preserving User Input. Dealing with checkboxes and radio buttons	-	Completed
8.	oct	1st	6	4 Hrs	UNIT V More with Forms	4 Hrs	Retrieving values from lists, Validating and restricting data	-	Completed
9.	oct	2nd	6	4 Hrs	UNIT V More with Forms UNIT VI Storing and Protecting Data	4 Hrs	Sending Email Setting and Reading Cookies	-	Completed
10.	oct	3rd	6	4 Hrs	UNIT VI Storing and Protecting Data	4 Hrs	Protecting Online Files	-	Completed
11.	oct	4th	6	4 Hrs	UNIT VI Storing and Protecting Data Unit VII MySQL	4 Hrs	Understanding Session Variables MySQL database overview	-	Completed
12.	Nov	1st	6	4 Hrs	Unit VII MySQL Databas	4 Hrs	MySQL database overview	-	Completed

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Teaching Plan

Name of Teacher: - Prof. Raut Trupti Santosh

Year: - 2023-24   Term: -I

Sub: - Bigdata   Paper: - CA-305   Class: - SYBBA(CA)   Division:- -

	Prat-I Teaching Plan				Part-II Execution Plan				
Sr. No	Month	Week	No.Of Working Days	No.Of Period Available	Topic to be taught	No.Of Period Engaged	Topics Taught	Deviation In Period	Remark
1	Aug	3rd	4	4Hrs	1)INTRODUCTION TO BIG DATA 1.1 Introduction Of Bigdata. 1.2 Big Data Analytics 1.3Application of Big Data	4Hrs	1)INTRODUCTION TO BIG DATA 1.1 Introduction Of Bigdata. 1.2 Big Data Analytics 1.3Application of Big Data	-	Completed
2.	Aug	4th	4	4Hrs	2)INTRODUCTION TO DATA SCIENCE 2.1 Basics of Data Analytics 2.2 Types of Analytics	4Hrs	2)INTRODUCTION TO DATA SCIENCE 2.1 Basics of Data Analytics 2.2 Types of Analytics	-	Completed
3.	ˉep	1st	4	4Hrs	2)INTRODUCTION TO DATA SCIENCE 2.2.1 Descriptive, 2.2.2 Predictive, 2.2.3 Prescriptive	4Hrs	2)INTRODUCTION TO DATA SCIENCE 2.2.1 Descriptive, 2.2.2 Predictive, 2.2.3 Prescriptive	-	Completed

3.	Sep	2nd,	4	4Hrs	2)INTRODUCTION TO DATA SCIENCE 2.2.4 Statistical Inference 2.3 Populations And Samples 2.3.1 Statistical Modelling,	4Hrs	2)INTRODUCTION TO DATA SCIENCE 2.2.4 Statistical Inference 2.3 Populations And Samples 2.3.1 Statistical Modelling,	-	Completed
3.	Sep	3rd	4	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.1 Basics of Machine Leaning 3.2 Supervised Machine Learning	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.1 Basics of Machine Leaning 3.2 Supervised Machine Learning	-	Completed
4.	Sep	4th	4	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.2.1 K- Nearest-Neighbors, 3.2.2 Naïve Bayes 3.2.3 Decision tree 3.2.4 Support Vector Machines	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.2.1 K- Nearest-Neighbors, 3.2.2 Naïve Bayes 3.2.3 Decision tree 3.2.4 Support Vector Machines	-	Completed
5.	Oct	1st	4	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.3 Unsupervised Machine Learning 3.3.1 Cluster analysis 3.3.2 K means	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.3 Unsupervised Machine Learning 3.3.1 Cluster analysis 3.3.2 K means	-	Completed
6.	Oct	2nd	4	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.3.3 EM Algorithm 3.3.4 Association Rule Mining	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.3.3 EM Algorithm 3.3.4 Association Rule Mining	-	Completed

7.	Oct	3rd	4	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.3.5 Apriori Algorithms 3.4 Regression Analysis 3.4.1 Linear Regression	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.3.5 Apriori Algorithms 3.4 Regression Analysis 3.4.1 Linear Regression	-	Completed
8	Oct	4th	4	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.4.2 Nonlinear Regression	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.4.2 Nonlinear Regression	-	Completed
9	Nov	1st	4	4Hrs	4.DATA ANALYTICS WITH R/ WEKA MACHINE LEARNING 4.1 Introduction	4Hrs	4.DATA ANALYTICS WITH R/ WEKA MACHINE LEARNING 4.1 Introduction	-	Completed
10	Nov	2nd,	4	4Hrs	4.DATA ANALYTICS WITH R/ WEKA MACHINE LEARNING 4.2DataManipulation	4Hrs	4.DATA ANALYTICS WITH R/ WEKA MACHINE LEARNING 4.2DataManipulation	-	Completed

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Teaching Plan

Name of Teacher: - Prof. Deshmane S. P.

Year: - 2023-24   Term: - II

Sub: - Networking   Paper: - CA-401   Class: - SYBBA(CA)   Division:- No

	Prat-I Teaching Plan				Part-II Execution Plan				
Sr. No	Month	Week	No.Of Working Days	No.Of Period Available	Topic To Be Taught	No.Of Period Engaged	Topics Taught	Deviation In Period	Remark
1.	**Dec**	4th	4	4 Hrs	**UNIT I** Introduction to Computer Network	4 Hrs	Basics of Computer Network, Definition ,Goals ,Applications, Network Hardware – Broadcast, Point to Point, Components of Data Communication, Network Topologies, Mesh, Star, Bus, Ring	-	Completed
2.	**Dec**	5th	6	4 Hrs	**UNIT I** Introduction to Computer Network	4 Hrs	Types of Networks, LAN,MAN,WAN, Internetwork, Wireless Network, Modes of Communication, Simplex, Half Duplex, Full Duplex, Server Based LANs & Peer-to-Peer LANs, Protocols and Standard.	-	Completed
3.	**Jan**	1st	6	4 Hrs	**UNIT I** Introduction to Computer Network **UNIT II** Network Models	4 Hrs	Network Software Protocol, Hierarchies, Layers, Peers, Interfaces, Design Issues of the Layers, Connection Oriented and Connectionless Service OSI Reference Model: Functions of each Layer ,TCP/IP Reference Model, Comparison of OSI and TCP/IP.	-	completed

4	Jan	2nd	6	4 Hrs	UNIT II Network Models	4 Hrs	Reference Model, TCP/IP Protocol Suite, Addressing, Physical Addresses, Logical Addresses.	–	Completed
5	Jan	3rd	6	4 Hrs	UNIT II Network Models UNIT III Transmission Media.	4 Hrs	Port Addresses, SpecificAddresses, IP Addressing, ClassfullAddressing, Classless Addressing Introduction, Types of Transmission Media, Guided Media: Twisted Pair Cable- Physical Structure,Categories,Connectors	–	Completed
6	Jan	4th	6	4 Hrs	UNIT III Transmission Media.	4 Hrs	Coaxial Cable – Physical Structure, Standards, Connectors & Applications Fiber Optic Cable- Physical Structure,Propagation Modes,Connectors & Applications, Unguided Media: Electromagnetic Spectrum for Wireless Communication.	–	Completed
7.	Feb	1st	6	4 Hrs	UNIT III Transmission Media. UNIT IV Wired and Wireless LAN	4 Hrs	Propagation Modes Ground,Sky,Line-of-Sight Wireless Transmission:Radio Waves,Microwaves, Infrared. IEEE Standards, Standard Ethernet MAC Sublayer,Physical Layer, Fast Ethernet – Goals, MAC Sublayer,Topology, Implementation	–	Completed
8.	Feb	2nd	6	4 Hrs	UNIT IV Wired and Wireles	4 Hrs	Gigabit Ethernet – Goals, MAC Sublayer,Topology, Implementation, Ten-Gigabit Ethernet – Goals, MAC Sublayer, Physical		Completed

					s LAN		Layer, Backbone Networks -Bus Backbone, Star Backbone, Virtual LANs Membership, IEEE standards advantages		
9.	**Feb**	3rd	6	4 Hrs	**UNIT IV** Wired and Wireless LAN **UNIT V** Network Devices	4 Hrs	Wireless LAN, IEEE 802.11 Architecture, Bluetooth Architecture (Piconet, Scatternet) Network Connectivity Devices, Active and Passive Hubs	-	Completed
10.	**Feb**	4th	6	4 Hrs	**UNIT V** Network Devices	4 Hrs	Repeaters, Bridges- Types of Bridges, Switches, Router , Gateways	-	Completed
11.	**Mar**	1st	6	4 Hrs	**UNIT VI** Network Security	4 Hrs	Introduction, Need for Security, Security Services : Message- - Confidentiality, Integrity, Authentication, Non repudiation. Entity (User)- Authentication. Types of Attack.	-	Completed
12.	**Mar**	2nd	4	4 Hrs	**UNIT VI** Network Security	4 Hrs	Cryptography, PlainText,Cipher Text, Encryption,Decryption, Symmetric Key and Asymmetric Key Cryptography, SubstitutionTechniques, Caesar Cipher,and Transposition Cipher (Problems should be covered.), Firewalls- Packet Filter firewall, Proxy firewall, Steganography,Copyright	-	Completed

Faculty

Teaching Plan

Name of Teacher: - Prof. RAUT T.S .

Year: - 2023-24   Term: - II

Sub: - CPP   Paper: - CA-402   Class: - SYBBA(CA)   Division:- No

	Prat-I Teaching Plan				Part-II Execution Plan				
Sr. No	Month	Week	No.Of Working Days	No.Of period available	Topic to be taught	No.Of period engaged	Topics Taught	Deviation in period	Remark
1.	Dec	4th	2	2 Hrs	UNIT I Introduction to C++	2 Hrs	Basic concepts, features, advantages and applications of OOP, Introduction, applications and features of C++, Input and Output operator in C++, Simple C++ program	–	Completed
2.	Dec	5th	6	4 Hrs	UNIT II Beginning with C++	4 Hrs	Data type and Keywords, Declaration of variables, dynamic initialization of variables, reference variable, Operators: Scope resolution operator , Memory management operators Manipulators	–	Completed
3.	Jan	1st	6	4 Hrs	UNIT I UNIT II Beginning with C++ UNIT III Classes and Objects	4 Hrs	Functions: Function prototyping, call by reference and return by reference, Inline functions, Default arguments Structure and class, Class, Object, Access specifiers, defining data member, Defining member functions inside and outside class definition	–	completed
4	Jan	2nd	6	4 Hrs	UNIT III Classes and Objects	4 Hrs	.Simple C++ program using class, Memory allocation for objects, Static data members and static member functions, Array of objects, objects as a function argument	–	Completed
5	Jan	3rd	6	4 Hrs	UNIT III	4 Hrs	Friend function and Friend class, Function returning	–	Completed

					Classes and Objects **UNIT IV** Constructors and Destructors		objects. Constructors, Types of constructor : Default, Parameterized, Copy, Multiple constructors in a class		
6	Jan	4th	6	4 Hrs.	**UNIT IV** Constructors and Destructors	4 Hrs	Constructors with default argument, Dynamic initialization of constructor, Dynamic constructor, Destructor	–	Completed
7.	Feb	1st	6	4 Hrs	**UNIT V** Inheritance	4 Hrs	Introduction, Defining Base class and Derived class, Types of Inheritance, Virtual Base Class	–	Completed
8.	Feb	2nd	6	4 Hrs	**UNIT V** Inheritance **UNIT VI** Polymorphism	4 Hrs	Abstract class, Constructors in derived class Compile Time Polymorphism, Introduction, rules for overloading operators, Function overloading, Operator Overloading unary and binary	–	Completed
9.	Feb	3rd	6	4 Hrs	**UNIT VI** Polymorphism	4 Hrs	Operator Overloading using friend function ,Overloading insertion and extraction operators, String manipulation using operator overloading	–	Completed
10.	Feb	4th	6	4 Hrs	**UNIT VI** Olymorphism **UNIT VII** Managing console	4 Hrs	Runtime Polymorphism, this Pointer, pointers to objects, pointer to derived classes, Virtual functions and pure virtual functions C++ streams and C++ stream classes,	–	Completed

					I/O operations		Unformatted I/O operations 8.3 Formatted console I/Operations.		
11.	Mar	1st	6	4 Hrs	UNIT VII Managing console I/O operations UNIT VIII Working with Files	4 Hrs	C++ streams and C++ stream classes. Unformatted I/O operations. Formatted console I/Operations. Stream Classes for File operations, File operations - Opening, Closing and updating, File updating with random access.	–	Completed
12.	Mar	2nd	4	4 Hrs	UNIT VIII Working with Files UNIT IX Templates	4 Hrs	Error handling during File operations, Command Line arguments Introduction, Class Template and class template with multiple parameters.	–	Completed
13.	Mar	3rd	2	2 Hrs	UNIT IX Templates	2 Hrs	Function Template and function template with multiple parameter, Exception Handling Introduction	–	Completed

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Teaching Plan

Name of Teacher: - Prof. Pawar N.H.

Year: - 2023-24   Term: - II

Sub: - Operating System   Paper: - CA-403   Class: - SYBBA(CA)   Division:- -

	Prat-I Teaching Plan				Part-II Execution Plan				
Sr. No	Month	Week	No.Of Working Days	No.Of Period Available	Topic To Be Taught	No.Of Period Engaged	Topics Taught	Deviation in Period	Remark
1.	Dec	4th	3	3 Hrs	UNIT I Introduction to Operating System	3 Hrs	What is operating system, Computer system architecture, Services provided by OS, Types of OS, Operating System Structure – - Simple structure -Layered approach -Micro kernels -Modules, Virtual Machines – Introduction, Benefit.	–	Completed
2.	Dec	5th	6	4 Hrs	UNIT II System Structure UNIT III Process Management	4 Hrs	User operating system Interface, System Calls– - Process or job control - Device Management - File Management, System Program, Operating System Structure Process Concept – - The process - Process states - Process control block	–	Completed
3.	Jan	1st	6	4 Hrs	UNIT III Process Management	4 Hrs	Process Scheduling – - Scheduling queues - Schedulers -Context Switch, Operation on Process – - Process Creation -Process Termination, Inter process Communication –Shared memory system - Message passing systems.	–	completed

4	Jan	2nd	6	4 Hrs	UNIT IV CPU Scheduling	4 Hrs	What is scheduling, Scheduling Concepts – - CPU- I/O Burst Cycle - CPU Scheduler -Preemptive and Non-preemptive scheduling – Dispatcher, Scheduling criteria, Scheduling Algorithms –	–	Completed
5	Jan	3rd	6	4 Hrs	UNIT IV CPU Scheduling UNIT V Process Synchronization	4 Hrs	FCFS - SJF (Preemptive& non-preemptive) - Priority Scheduling (Preemptive& Non- preemptive) - Round Robin Scheduling - Multilevel Queues - Multilevel Feedback queues. Introduction, Critical section problem, Semaphores – - Concept - Implementation	–	Completed
6	Jan	4th	6	4 Hrs.	UNIT V Process Synchronization	4 Hrs	Deadlock & Starvation - Types of Semaphores, Classical Problems of synchronization – - Bounded buffer problem - Readers & writers problem - Dining Philosophers problem	–	Completed
7.	Feb	1st	6	4 Hrs	UNIT IV Deadlock	4 Hrs	Introduction, Deadlock Characterization, Necessary Condition, Deadlock Handling Technique–	–	Completed
8.	Feb	2nd	6	4 Hrs	UNIT IV Deadlock UNIT VII Memory Management	4 Hrs	Deadlock Prevention - Deadlock Avoidance – - Safe State - Resource allocation graph algorithm - Bankers algorithm - Deadlock Detection - Recovery from Deadlock – -Process Termination - Resource Preemption .Background – -Basic hardware - Address binding - Logical versus physical address space -	–	Completed

							Dynamic loading - Dynamic linking and shared libraries		
9.	Feb	3rd	6	4 Hrs	UNIT VII Memory Management	4 Hrs	Swapping, Contiguous Memory Allocation – - Memory mapping and protection -Memory allocation - Fragmentation , Paging – - Basic Method - Hardware support - Protection - Shared Pages, Segmentation – - Basic concept - Hardware	-	Completed
10.	Feb	4th	6	4 Hrs	UNIT VII Memory Management UNIT VIII File System	4 Hrs	Virtual Memory Management – - Background - Demand paging - Performance of demand paging - Page replacement – - FIFO - OPT - LRU - Second chance page replacement - MFU – LFU Introduction & File concepts (file attributes, Operations on files),	-	Completed
11.	Mar	1st	6	4 Hrs	UNIT VIII File System	4 Hrs	File structure – - Allocation methods - Contiguous allocation - Linked Allocation - Indexed Allocation, Free Space Management –	-	Completed
12.	Mar	2nd	4	4 Hrs	UNIT VIII File System UNIT IX I/O System	4 Hrs	- Bit Vector - Linked List – Grouping Counting. Introduction, I/O Hardware, Application of I/O Interface, Kernel I/O Subsystem	-	Completed
13	Mar	3rd	1	1 Hrs	UNIT IX I/O System	1 Hrs	Disk Scheduling – - FCFS - Shortest Seek time first - SCAN - C- SCAN - C- Look.	-	Completed

Faculty

Teaching Plan

Name of Teacher: -   Prof. Shinde H.N .

Year: - 2023-24   Term: - II
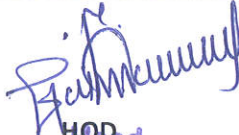
Sub: - Advance PHP   Paper: - CA-404   Class: - SYBBA(CA) Division:- No

		Prat-I Teaching Plan			Part-II Execution Plan				
Sr. No	Month	Week	No.Of Working Days	No.Of Period Available	Topic To Be Taught	No.Of Period Engaged	Topics Taught	Deviation In Period	Remark
1.	Dec	4th	6	4 Hrs	UNIT I Introduction to Object Oriented Programming in PHP	4 Hrs	Classes Objects, Introspection, Serialization, Inheritance.	-	-
2.	Dec	5th	6	4 Hrs	UNIT I Web Techniques. UNIT II Web Techniques	4 Hrs	Interfaces, Encapsulation. Server information, Processing forms, Sticky forms	-	-
3.	Jan	1st	6	4 Hrs	UNIT II Web Techniques UNIT III Setting response headers	4 Hrs	Setting response headers Introduction XML, XML document Structure, PHP and XML	-	-

4	Jan	2nd	6	4 Hrs	UNIT III Setting response headers	4 Hrs	XML parser, The document object model	-	-
5	Jan	3rd	6	4 Hrs	UNIT III Setting response header UNIT IV Ajax with PHP	4 Hrs	The simple XML extension, Changing a value with simple XML Understanding java scripts for AJAX, AJAX web application model	-	-
6	Jan	4th	6	4 Hrs.	UNIT IV Ajax with PHP	4 Hrs	AJAX –PHP framework, Performing AJAX validation, Handling XML data using PHP and AJAX, connecting database using PHP and AJAX	-	-
7.	Feb	1st	6	4 Hrs	UNIT V Introduction to Web Services	4 Hrs	Definition of web services, Basic operational model of web services, tools and technologies enabling web services, Benefits and challenges of using web services.	-	-
8.	Feb	2nd	6	4 Hrs	UNIT V Introduction to Web Services	4 Hrs	Web services Architecture and its characteristics, Core building blocks of web services, Standards and technologies available for implementing web services	-	-
9.	Feb	3rd	6	4 Hrs	UNIT V Introduction to Web Service	4 Hrs	Web services communication models, Basic steps of implementing web services.	-	-

					s UNIT VI PHP Frame work (Joomla / Druple)		Introduction to Joomla/Druple, Introduction, Joomla/Druple features, How joomla/Drupleworks, The platformComponents, Modules and Plugins		
10.	Feb	4th	6	4 Hrs	UNIT VI PHP Frame work (Joomla / Druple)	4 Hrs	Administering Joomla/Druple ,Presentation Administration, Content Administration, System Administration	-	-
11.	Mar	1st	6	4 Hrs	UNIT VI PHP Frame work (Joomla / Druple)	4 Hrs	Working with Joomla/Druple, Adding articles, Adding menus to point to content, Installing new templates, Creating templates	-	-
12.	Mar	2nd	4	4 Hrs	UNIT VI PHP Frame work (Joomla / Druple)	4 Hrs	Adding a Module and Component , Modifying the existing templates , Creating templates with web editors , Creating real templates	-	-

Faculty

HOD
Head
Department Of BBA(CA)
Arts, Science and Commerce College
Indapur, Dist. Pune-413106

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INDAPUR-413106 DIST-PUNE

Teaching Plan

Name of Teacher: - Prof. Shinde H.N.

Year: - 2023-24   **Term: -I**

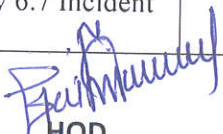**Sub: - Cyber Security   Paper: - CA-501   Class: - TYBBA(CA) Division:- -**

		Prat-I Teaching Plan			Part-II Execution Plan				
Sr. No	Month	Week	No.Of Working Days	No.Of period available	Topic to be taught	No.Of period engaged	Topics Taught	Deviation in period	Remark
1.	Aug	2nd	6	4Hrs	**Chapter 1:- Introduction to Cyber Crime and Cyber Security** 1.1 Introduction 1.2 Cybercrime: Definition and Origin of the Word 1.3 Cybercrime and Information Security 1.4 Who are Cybercriminals?	4Hrs	**Chapter 1:- Introduction to Cyber Crime and Cyber Security** 1.1 Introduction 1.2 Cybercrime: Definition and Origin of the Word 1.3 Cybercrime and Information Security 1.4 Who are Cybercriminals?	-	Completed
2.	Aug	3rd	6	4Hrs	1.5 Classifications of Cybercrimes: E-Mail Spoofing, Spamming, Cyber defamation, Internet Time Theft, Salami Attack/Salami Technique, Data Diddling,Forgery, Web Jacking, Newsgroup, Spam/Crimes Emanating from Usenet Newsgroup, Industrial Spying/Industrial Espionage, Hacking,OnlineFrauds,Computer Sabotage, Email Bombing/Mail Bombs, Computer Network Intrusions, Password Sniffing, Credit Card Frauds, Identity Theft	4Hrs	1.5 Classifications of Cybercrimes: E-Mail Spoofing, Spamming, Cyber defamation, Internet Time Theft, Salami Attack/Salami Technique, Data Diddling,Forgery, Web Jacking, Newsgroup, Spam/Crimes Emanating from Usenet Newsgroup, Industrial Spying/Industrial Espionage, Hacking,OnlineFrauds ,Computer Sabotage, Email Bombing/Mail Bombs, Computer Network Intrusions, Password Sniffing, Credit Card Frauds, Identity Theft	-	Completed
3.	Aug	4th	6	4Hrs	1.6 Definition of Cyber Security 1.7	4 Hrs	1.6 Definition of Cyber Security 1.7	-	

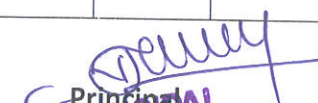| No.	Month	Week		Hrs	Planned Topic	Hrs	Actual Topic		Status
					Vulnerability, Threats and Harmful acts 1.8 CIA Triad 1.9 Cyber Security Policy and Domains of Cyber Security Policy		Vulnerability, Threats and Harmful acts 1.8 CIA Triad 1.9 Cyber Security Policy and Domains of Cyber Security Policy		Completed
4	Sep	1st	6	4Hrs	**Chapter 2 :- Cyber offenses and Cyberstalking** 2.1 Criminals Plan: Categories of Cybercrime Cyber Attacks: Reconnaissance, Passive Attack, Active Attacks, Scanning/Scrutinizing gathered Information, Attack (Gaining and Maintaining the System Access), Social Engineering, and Classification of Social Engineering.	4 Hrs	**Chapter 2 :- Cyber offenses and Cyberstalking** 2.1 Criminals Plan: Categories of Cybercrime Cyber Attacks: Reconnaissance, Passive Attack, Active Attacks, Scanning/Scrutinizing gathered Information, Attack.Social Engineering, and Classification of Social Engineering.	-	Completed
5	Sep	2nd	6	4Hrs	2.2 Cyberstalking: Types of Stalkers, Cases Reported on Cyberstalking, Working of Stalking 2.3 Real-Life Incident of Cyber stalking 2.4 Cybercafe and Cybercrimes	4 Hrs	2.2 Cyberstalking: Types of Stalkers, Cases Reported on Cyberstalking, Working of Stalking 2.3 Real-Life Incident of Cyber stalking 2.4 Cybercafe and Cybercrimes	-	Completed
6	Sep	3rd	6	4Hrs	2.5 Botnets: The Fuel for Cybercrime, Botnet, Attack Vector 2.6 Cybercrime: Mobile and Wireless Devices – Proliferation - Trends in Mobility	4 Hrs	2.5 Botnets: The Fuel for Cybercrime, Botnet, Attack Vector 2.6 Cybercrime: Mobile and Wireless Devices – Proliferation - Trends in Mobility	-	Completed
7.	Sep	4th	6	4Hrs	2.7 Credit Card Frauds in Mobile and Wireless Computing Era 2.8 Security Challenges Posed by Mobile Devices 2.9 Authentication	4 Hrs	2.7 Credit Card Frauds in Mobile and Wireless Computing Era 2.8 Security Challenges Posed by Mobile Devices 2.9	-	Completed

					Service Security 2.10 Attacks on Mobile/Cell Phones		Authentication Service Security 2.10 Attacks on Mobile/Cell Phones	
8.	oct	1st	6	4Hrs	**Chapter 3:- Tools and Methods Used in Cybercrime** 3.1 Introduction 3.2 Proxy Servers and Anonymizers 3.3 Phishing 3.4 Password Cracking 3.5 Keyloggers and Spywares 3.6 Virus and Worms 3.7 Trojan Horses and Backdoors 3.8 Steganography 3.9 DoS and DDoS Attacks 3.10 SQL Injection 05 4	4 Hrs	**Chapter 3:- Tools and Methods Used in Cybercrime** 3.1 Introduction 3.2 Proxy Servers and Anonymizers 3.3 Phishing 3.4 Password Cracking 3.5 Keyloggers and Spywares 3.6 Virus and Worms 3.7 Trojan Horses and Backdoors 3.8 Steganography 3.9 DoS and DDoS Attacks 3.10 SQL Injection 05 4	-	Completed
9.	oct	2nd	6	4Hrs	**Chapter 4 :- Cybercrimes and Cyber security: The Legal Perspectives** 4.1 Introduction 4.2 Cybercrime and the Legal Landscape around the World 4.3 Why Do We Need Cyberlaws: The Indian Context 4.4 The Indian IT Act 4.5 Challenges to Indian Law and Cybercrime Scenario in India	4 Hrs	**Chapter 4 :- Cybercrimes and Cyber security: The Legal Perspectives** 4.1 Introduction 4.2 Cybercrime and the Legal Landscape around the World 4.3 Why Do We Need Cyberlaws: The Indian Context 4.4 The Indian IT Act 4.5 Challenges to Indian Law and Cybercrime Scenario in India	-	Completed
10.	oct	3rd	6	4Hrs	4.6 Consequences of not Addressing the Weakness in Information Technology Act 4.7 Digital Signatures and the Indian IT Ac 4.8 Amendments to the Indian IT Act 4.9 Cybercrime and Punishment 4.10 Cyberlaw, Technology and Students: Indian	4 Hrs	4.6 Consequences of not Addressing the Weakness in Information Technology Act 4.7 Digital Signatures and the Indian IT Ac 4.8 Amendments to the Indian IT Act 4.9 Cybercrime and Punishment 4.10 Cyberlaw, Technology	-	Completed

					Scenario		and Students: Indian Scenario	
11.	oct	4th	6	4Hrs	**Chapter 5:- Cyber Forensics** 5.1 Introduction 5.2 Historical background of Cyber forensics 5.3 Digital Forensics Science 5.4 The Need for Computer Forensics 5.5 Cyber Forensics and Digital evidence 5.6 Forensics Analysis of Email 5.7 Digital Forensics Lifecycle 5.8 Challenges in Computer Forensics	4 Hrs	**Chapter 5:- Cyber Forensics** 5.1 Introduction 5.2 Historical background of Cyber forensics 5.3 Digital Forensics Science 5.4 The Need for Computer Forensics 5.5 Cyber Forensics and Digital evidence 5.6 Forensics Analysis of Email 5.7 Digital Forensics Lifecycle 5.8 Challenges in Computer Forensics	-	Completed
12.	Nov	1st	6	4Hrs	**Chapter 6:- Cybersecurity: Organizational Implications** 6.1 Organizational Implications: Cost of cybercrimes and IPR issues 6.2 Web threats for organizations6.3 Security and Privacy Implications from Cloud Computing 6.4 Social media marketing 6.5 Social computing and the associated challenges for organizations, Protecting people's privacy in the organization 6.6 Organizational guidelines for Internet usage and safe computing guidelines and computer usage policy 6.7 Incident handling	4 Hrs	**Chapter 6:- Cybersecurity: Organizational Implication** 6.1 Organizational Implications: Cost of cybercrimes and IPR issues 6.2 Web threats for organizations 6.3 Security and Privacy Implications from Cloud Computing 6.4 Social media marketing 6.5 Social computing and the associated challenges for organizations, Protecting people's privacy in the organization 6.6 Organizational guidelines for Internet usage and safe	-	Completed

Faculty

Teaching Plan

Name of Teacher: - Prof. Raut T. S

Year: - 2023-24   Term: -I

Sub: - OOSE   Paper: - CA-502   Class: - TYBBA(CA)   Division:- -

					Prat-I Teaching Plan		Part-II Execution Plan			
Sr. No	Month	Week	No.Of Working Days	No.Of period available	Topic to be taught	No.Of period engaged	Topics Taught	Deviation in period	Remark
1.	Aug	2nd	6	4 Hrs	**1.Introduction and basics of Software Modelling** 1.1 Software Life Cycle Models (Revision of SE) 1.2 System Concepts 1.3 Project Organization	4 Hrs	**1.Introduction and basics of Software Modelling** 1.1 Software Life Cycle Models (Revision of SE) 1.2 System Concepts 1.3 Project Organization	-	Completed
2.	Aug	3rd	6	4 Hrs	1.4 Communication in Project Management 1.5 Risk management in Project Management	4 Hrs	1.4 Communication in Project Management 1.5 Risk management in Project Management	-	Completed
3.	Aug	4th	6	4 Hrs	**2.SRS Documentation** 2.1 SRS Specification 2.2 Requirement Elicitation 2.3 Business Engineering	4 Hrs	**2.SRS Documentation** 2.1 SRS Specification 2.2 Requirement Elicitation 2.3 Business Engineering	-	Completed
4	Sep	1st	6	4 Hrs	**3.Introduction to UML** 3.1 Concept of UML 3.2 Advantages of UML	4 Hrs	**3.Introduction to UML** 3.1 Concept of UML 3.2 Advantages of UML	-	Completed
5	Sep	2nd	6	4 Hrs	**4.Object Oriented Concepts and Principles** 4.1 What is Object Orientation? - Introduction , Object , Classes and Instance , Polymorphism, Inheritance	4 Hrs	**4.Object Oriented Concepts and Principles** 4.1 What is Object Orientation? - Introduction , Object , Classes and Instance , Polymorphism, Inheritance	-	Completed

6	Sep	3rd	6	4 Hrs	**5.Structural Modeling** 5.1 Classes 5.2 Relationship 5.3 Common Mechanism 5.4 Class Diagram (Minimum three examples should be covered) 5.5 Advanced Classes 5.6 Advanced Relationship	4 Hrs	**5.Structural Modeling** 5.1 Classes 5.2 Relationship 5.3 Common Mechanism 5.4 Class Diagram (Minimum three examples should be covered) 5.5 Advanced Classes 5.6 Advanced Relationship	-	Completed
7.	Sep	4th	6	4 Hrs	5.7 Interface 5.8 Types and Roles 5.9 Packages 5.10 Object Diagram (Minimum three examples should be	4 Hrs	5.7 Interface 5.8 Types and Roles 5.9 Packages 5.10 Object Diagram (Minimum three examples should be		Completed
8.	oct	1st	6	4 Hrs	**6.Basic Behavioural Modeling** 6.1 Interactions 6.2 Use Cases and Use Case Diagram with stereo types (Minimum three examples should be covered)	4 Hrs	**6.Basic Behavioural Modeling** 6.1 Interactions 6.2 Use Cases and Use Case Diagram with stereo types (Minimum three examples should be covered)	-	Completed
9.	oct	2nd	6	4 Hrs	6.3 Interaction Diagram (Minimum two examples should be covered) 6.4 Sequence Diagram (Minimum two examples should be covered) 6.5 Activity Diagram (Minimum two examples should be covered) 6.6 State Chart Diagram (Minimum two examples should be	4 Hrs	Interaction Diagram (Minimum two examples should be6.4 Sequence Diagram (Minimum two examples should be covered) 6.5 Activity Diagram (Minimum two examples should be covered) 6.6 State Chart Diagram (Minimum two examples should be covered)	-	Completed
10.	oct	3rd	6	4 Hrs	**7.Architectural Modelling**	4 Hrs	**7 Architectural Modelling**	-	Completed

					7.1 Component 7.2 Components Diagram (Minimum two examples should be covered) 7.3 Deployment Diagram (Minimum two examples should be covered) 7.4 Collaboration Diagram		7.1 Component 7.2 Components Diagram (Minimum two examples should be covered) 7 7.3 Deployment Diagram (Minimum two examples should be covered) 7.4 Collaboration Diagram		
11.	oct	4th	6	4 Hrs	**8.Object Oriented Analysis** 8.1 Iterative Development and the Rational Unified Process 8.2 Inception 8.3 Understanding Requirements 8.4 Use Case Model From Inception to Elaboration 8.5 Elaboration	4 Hrs	**8.Object Oriented Analysis** 8.1 Iterative Development and the Rational Unified Process 8.2 Inception 8.3 Understanding Requirements 8.4 Use Case Model From Inception to Elaboration 8.5 Elaboration	-	Completed
12.	Nov	1st	6	4 Hrs	**9 Object Oriented Design** 9.1 The Booch Method, The Coad and Yourdon Method and Jacobson Method ,Rumbaugh Method	4 Hrs	**9 Object Oriented Design** 9.1 The Booch Method, The Coad and Yourdon Method and Jacobson ,Rumbaugh Method	-	Completed

Faculty

HOD
Head
Department Of BBA(CA)
Arts, Science and Commerce College
Indapur, Dist. Pune-413106

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ARTS, SCIENCE AND
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Teaching Plan

Name of Teacher: - Prof. Pawar Nishant ~ H.

Year: - 2023-24   Term: -I

Sub: - Java   Paper: - CA-503   Class: - TYBBA(CA)   Division:- -

		Prat-I Teaching Plan			Part-II Execution Plan				
Sr. No	Month	Week	No.Of Working Days	No.Of period available	Topic to be taught	No.Of period engaged	Topics Taught	Deviation in period	Remark
1.	Aug	2nd	6	4 Hrs	**1.Java Fundamentals** 1.1 Introduction to Java. 1.1 Features of Java 1.2 Basics of Java: - Data types, variable, expression, operators, constant.	4 Hrs	**1.Java Fundamentals** 1.1 Introduction to Java. 1.1 Features of Java 1.2 Basics of Java: - Data types, variable, expression, operators, constant.	-	Completed
2.	Aug	3rd	6	4 Hrs	1.3 Structure of Java Program. 1.4 Execution Process of java Program. 1.5 JDK Tools. 1.6 Command Line Arguments.	4 Hrs	1.3 Structure of Java Program. 1.4 Execution Process of java Program. 1.5 JDK Tools. 1.6 Command Line Arguments.	-	Completed
3.	Aug	4th	6	4 Hrs	1.7 Array and String: 1.7.1 Single Array & Multidimensional Array 1.7.2 String, String Buffer 1.8 Built In Packages and Classes : 1.8.1 java.util:- Scanner, Date, Math etc. 1.8.2 java.lang	4 Hrs	1.7 Array and String: 1.7.1 Single Array & Multidimensional Array 1.7.2 String, String Buffer 1.8 Built In Packages and Classes : 1.8.1 java.util:- Scanner, Date, Math etc. 1.8.2 java.lang	-	Completed
4	Sep	1st	6	4 Hrs	**2.Classes, Objects and Methods** 2.1 Class and Object 2.2 Object reference 2.3 Constructor: Constructor Overloading 2.4 Method: Method Overloading, Recursion, Passing and Returning object form Method. 2.5 new operator, this and static keyword,	4 Hrs	**2.Classes, Objects and Methods** 2.1 Class and Object 2.2 Object reference 2.3 Constructor: Constructor Overloading 2.4 Method: Method Overloading, Recursion, Passing and Returning object form Method.	-	**Completed**
					finalize() method 2.6		finalize() method 2.6		Completed

5	Sep	2nd	6	4 Hrs	Nested class, Inner class, and Anonymous inner class	4 Hrs	Nested class, Inner class, and Anonymous inner class	-	
6	Sep	3rd	6	4 Hrs	**3.Inheritance, Package and Collection** 3.1 Overview of Inheritance 3.2 inheritance in constructor 3.3 Inheriting Data members and Methods,	4 Hrs	**3.Inheritance, Package and Collection** 3.1 Overview of Inheritance 3.2 inheritance in constructor 3.3 Inheriting Data members and Methods,	-	Completed
7.	Sep	4th	6	4 Hrs	3.4 Multilevel Inheritance – method overriding Handle multilevel constructors 3.5 Use of super and final keyword 3.6 Interface: 3.7 Creation and Implementation of an interface, Interface reference	4 Hrs	3.4 Multilevel Inheritance – method overriding Handle multilevel constructors 3.5 Use of super and final keyword 3.6 Interface: 3.7 Creation and Implementation of an interface, Interface reference	-	Completed
8.	oct	1st	6	4 Hrs	3.8 Interface inheritance 3.9 Dynamic method dispatch 3.10 Abstract class 3.11 Comparison between Abstract Class and interface 3.12 Access control 3.13 Packages 3.13.1 Packages Concept 3.13.2 Creating user defined packages 3.13.3 Java Built inpackages	4 Hrs	3.8 Interface inheritance 3.9 Dynamic method dispatch 3.10 Abstract class 3.11 Comparison between Abstract Class and interface 3.12 Access control 3.13 Packages 3.13.1 Packages Concept 3.13.2 Creating user defined packages 3.13.3 Java Built inpackages	-	Completed
9.	oct	2nd	6	4 Hrs	3.13.4 Import statement, Static import 3.14 Collection 3.14.1 CollectionFramework. 3.14.2 Interfaces: Collection, List, Set 3.14.3 Navigation: Enumeration, Iterator, ListIterator 3.14.4 Classes: LinkedList, ArrayList, Vector, HashSet	4 Hrs	3.13.4 Import statement, Static import 3.14 Collection 3.14.1 CollectionFramework. 3.14.2 Interfaces: Collection, List, Set 3.14.3 Navigation: Enumeration, Iterator, ListIterator 3.14.4 Classes: LinkedList, ArrayList, Vector, HashSet	-	Completed

10.	oct	3rd	6	4 Hrs	4.File and Exception Handling Exception 4.1 Exception and Error 4.2 Use of try, catch, throw, throws and finally 4.3 Built in Exception 4.4 Custom exception 4.5 Throwable Class.	4 Hrs	4.File and Exception Handling Exception 4.1 Exception and Error 4.2 Use of try, catch, throw, throws and finally 4.3 Built in Exception 4.4 Custom exception 4.5 Throwable Class.	-	Completed
11.	oct	4th	6	4 Hrs	File Handling 4.6 Overview of Different Stream (Byte Stream, Character stream) 4.7 Readers and Writers class 4.8 File Class 4.9 File Input Stream , File Output Stream 4.10 Input Stream Reader and Output Stream Writer class 4.11 FileReader and FileWriter class 4.12 Buffered Reader class. 8 1,2,3 5 Applet, AWT, Event and Swing Programming Applet 5.1 Introduction	4 Hrs	File Handling 4.6 Overview of Different Stream (Byte Stream, Character stream) 4.7 Readers and Writers class 4.8 File Class 4.9 File Input Stream , File Output Stream 4.10 Input Stream Reader and Output Stream Writer class 4.11 FileReader and FileWriter class 4.12 Buffered Reader class. 8 1,2,3 5 Applet, AWT, Event and Swing Programming Applet 5.1 Introduction	-	Completed
12.	Nov	1st	6	4 Hrs	5 Applet 5.1 Introduction, 5.2Typesapplet 5.3 Applet Lifecycle 5.3.1 Creating applet 5.3.2 Applet tag	4 Hrs	5 Applet 5.1 Introduction, 5.2 Types applet 5.3 Applet Lifecycle 5.3.1 Creating applet 5.3.2 Applet tag	-	Completed

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Teaching Plan

Name of Teacher: - Prof. Deshmane S.P.

Year: - 2023-24   Term: -I

Sub: - Python   Paper: - CA-504   Class: - TYBBA(CA)   Division:- -

					Prat-I Teaching Plan	Part-II Execution Plan				
Sr. No	Month	Week	No.Of Working Days	No.Of period available	Topic to be taught	No.Of period engaged	Topics Taught	Deviation in period	Remark
1.	Aug	2nd	6	4 Hrs	**Unit 1: Introduction to Python** 1.1 History, feature of Python, setting up path, working with python Interpreter, basic syntax, variable and data types, operators 1.2 Conditional statements-If, If-Else, nested if-else, Examples.	4 Hrs	**Unit 1: Introduction to Python** 1.1 History, feature of Python, setting up path, working with python Interpreter, basic syntax, variable and data types, operators 1.2 Conditional statements-If, If-Else, nested if-else, Examples. 1.3	-	Completed
2.	Aug	3rd	6	4 Hrs	1.3 Looping-For,While,Nested loops, Examples 1.4 Control Statements-Break, Continue, Pass. 1.5 String Manipulation-Accessing String, Basic Operations, String Slices, Function and Methods, Examples. 1.6 Lists-Introduction, accessing list, operations, working with lists, function & methods.	4 Hrs	1.3 Looping-For,While,Nested loops, Examples 1.4 Control Statements-Break, Continue, Pass. 1.5 String Manipulation-Accessing String, Basic Operations, String Slices, Function and Methods, Examples. 1.6 Lists-Introduction, accessing list, operations, working with lists, function & methods.	-	Completed
3.	Aug	4th	6	4 Hrs	1.7 Tuple-Introduction, Accessing tuples, operations working, function & methods, Examples. 1.8 Dictionar Introduction, Accessing values in dictionaries,	4 Hrs	1.7 Tuple-Introduction, Accessing tuples, operations working, function & methods, Examples. 1.8 Dictionar	-	Completed

					working with dictionaries, properties, function, Examples		Introduction, Accessing values in dictionaries, working with dictionaries, properties, function, Examples	
4	Sep	1st	6	4 Hrs	1.9 Functions-Defining a function, calling a function, types of function, function arguments, anonymous function, global & local variable, Examples	4 Hrs	1.9 Functions- Defining a function, calling a function, types of function, function arguments, anonymous function, global & local variable, Examples	-	Completed
5	Sep	2nd	6	4 Hrs	**Unit 2: Modules and Packages** 2.1Built in Modules 2.1.1 Importing modules in python program 2.1.2 Working with Random Modules. 2.1.3 E.g. - built-ins, time, date time, calendar, sys, etc 2.2 User Defined functions 2.2.1Structure of Python Modules 2.3 Packages 2.3.1 Predefined Packages 2.3.2User defined Packages	4 Hrs	**Unit 2: Modules and Packages** 2.1Built in Modules 2.1.1 Importing modules in python program 2.1.2 Working with Random Modules. 2.1.3 E.g. - built-ins, time, date time, calendar, sys, etc 2.2 User Defined functions 2.2.1Structure of Python Modules 2.3 Packages 2.3.1 Predefined Packages 2.3.2User defined Packages	-	Completed
6	Sep	3rd	6	4 Hrs	**Unit 3: Classes ,Objects and Inheritance** 3.1 Classes and Objects 3.1.1 Classes as User Defined Data Type 3.1.2 Objects as Instances of Classes 3.1.3 Creating Class and Objects 3.1.4 Creating Objects By Passing Values 3.1.5 Variables & Methods in a Class 3..2 Inheritance 3.2.1 Single Inheritance 3.2.2 Multilevel Inheritance 3.2.3 Multiple Inheritance 3.2.4 Hybrid Inheritance 3.2.5	4 Hrs	**Unit 3: Classes ,Objects and Inheritance** 3.1 Classes and Objects 3.1.1 Classes as User Defined Data Type 3.1.2 Objects as Instances of Classes 3.1.3 Creating Class and Objects 3.1.4 Creating Objects By Passing Values 3.1.5 Variables & Methods in a Class 3..2 Inheritance 3.2.1 Single Inheritance 3.2.2 Multilevel Inheritance	-	Completed

					Hierarchical Inheritance 3.2.6 IS-A Relationship and HAS-A Relationship		3.2.3 Multiple Inheritance 3.2.4 Hybrid Inheritance 3.2.5 Hierarchical Inheritance 3.2.6 IS-A Relationship and HAS-A Relationship		
7.	Sep	4th	6	4 Hrs	**Unit 4: Exception Handling** 4.1 Python Exception 4.2 Common Exception 4.3 Exception handling in Python (try-except-else) 4.4 The except statement with no exception	4 Hrs	**Unit 4: Exception Handling** 4.1 Python Exception 4.2 Common Exception 4.3 Exception handling in Python (try-except-else) 4.4 The except statement with no exception	-	Completed
8.	oct	1st	6	4 Hrs	4.5 Multiple Exception 4.6 The try-finally clause 4.7 Custom Exception and assert statement	4 Hrs	4.5 Multiple Exception 4.6 The try-finally clause 4.7 Custom Exception and assert statement	-	Completed
9.	oct	2nd	6	4 Hrs	**Unit 5: GUI Programming** 5.1 Introduction 5.2 Tkinter programming 5.4 Tkinter widgets 5.5 Frame 5.6 Button 5.7 Label 5.8 Entry	4 Hrs	**Unit 5: GUI Programming** 5.1 Introduction 5.2 Tkinter programming 5.4 Tkinter widgets 5.5 Frame 5.6 Button 5.7 Label 5.8 Entry	-	Completed
10.	oct	3rd	6	4 Hrs	**Unit 6: Python Libraries** 6.1 Statistical Analysis- NumPy, SciPy, Pandas, StatsModels 6.2 Data Visualization-	4 Hrs	**Unit 6: Python Libraries** 6.1 StatisticalAnalysis- NumPy, SciPy, Pandas, StatsModels		Completed
11.	oct	4th	6	4 Hrs	6.3 Data Modelling and Machine Learning- Scikit-learn, XGBoost, Eli5 6.4 Deep Learning- TensorFlow,	4 Hrs	6.3 Data Modelling and Machine Learning- Scikit-learn, XGBoost, Eli5 6.4 Deep Learning- TensorFlow,	-	Completed
12.	Nov	1st	6	4 Hrs	Pytorch, Keras 6.5 Natural Language Processing.	4 Hrs	Pytorch, Keras 6.5 Natural Language Processing.	-	Completed

Faculty

Teaching Plan

Name of Teacher: - Prof. Deshmane S.P

Year: - 2023-24   Term: -II

Sub: - RT In IT   Paper: - CA-601   Class: - TYBBA(CA)

	Prat-I Teaching Plan				Part-II Execution Plan				
Sr. No	Month	Week	No.Of Working Days	No.Of period available	Topic to be taught	No.Of period engaged	Topics Taught	Deviation in period	Remark
1.	Dec	4th	6	4 Hrs	**1.Introduction to recent trends** 1.1 Artificial Intelligence 1.2 Data Warehouse 1.3 Data Mining 1.4 Spark	4 Hrs	**1.Introduction to recent trends** 1.1 Artificial Intelligence 1.2 Data Warehouse 1.3 Data Mining 1.4 Spark	-	Completed
2.	Dec	5th	6	4 Hrs	**2.Artificial Intelligence** 2.1 Introduction& Concept of AI 2.2 Applications of A Artificial	4 Hrs	**2.Artificial Intelligence** 2.1 Introduction& Concept of AI 2.2 Applications of A Artificial	-	Completed
3.	Jan	1st	6	4 Hrs	2.3 Artificial Intelligence, Intelligent Systems, Knowledge –based Systems, AI Techniques 2.4 Early work in AI & related fields.	4 Hrs	2.3 Artificial Intelligence, Intelligent Systems, Knowledge –based Systems, AI Techniques 2.4 Early work in AI & related fields.	--	completed
4	Jan	2nd	6	4 Hrs	2.5 Defining AI problems as a State Space Search 2.6 Search and Control Strategies	4 Hrs	2.5 Defining AI problems as a State Space Search 2.6 Search and Control Strategies	-	Completed
5	Jan	3rd	6	4 Hrs	2.7 Problem Characteristics 2.8 AI Problem: Water Jug Problem, Tower of Hanoi, Missionaries & Cannibal Problem	4 Hrs	2.7 Problem Characteristics 2.8 AI Problem: Water Jug Problem, Tower of Hanoi, Missionaries & Cannibal Problem	-	Completed

					Bidirectional Search, and Uniform cost Search		Bidirectional Search, and Uniform cost Search		
6	Jan	4th	6	4 Hrs.	**3 AI Search Techniques** 3.1 Blind Search Techniques: BFS, DFS, DLS, Iterative deepening Search,	4 Hrs.	**3 AI Search Techniques** 3.1 Blind Search Techniques: BFS, DFS, DLS, Iterative deepening Search,	-	Completed
7.	Feb	1st	6	4 Hrs	3.2 Heuristic search techniques: Generate and test, Hill Climbing, Best First search, Constraint Satisfaction, Mean-End Analysis, A*, AO*	4 Hrs	3.2 Heuristic search techniques: Generate and test, Hill Climbing, Best First search, Constraint Satisfaction, Mean-End Analysis, A*, AO*	-	Completed
8.	Feb	2nd	6	4 Hrs	**4. Data Warehousing** 4.1 Introduction to Data warehouse 4.2 Structure of Data Warehouse 4.3 Advantages & uses of Data Warehouse 4.4 Architecture of Data Warehouse 4.5 Multidimensional data model 4.6 OLAP Vs. OLTP 4.7 OLAP Operations 4.8 Types of OLAP Servers: ROLAP versus MOLAP versus HOLAP Data Mining	4 Hrs	**4. Data Warehousing** 4.1 Introduction to Data warehouse 4.2 Structure of Data Warehouse 4.3 Advantages & uses of Data Warehouse 4.4 Architecture of Data Warehouse 4.5 Multidimensional data model 4.6 OLAP Vs. OLTP 4.7 OLAP Operations 4.8 Types of OLAP Servers: ROLAP versus MOLAP versus HOLAP Data Mining	-	Completed
9.	Feb	3rd	6	4 Hrs	5.1 Introduction to Data Mining 5.2 Data mining Task 5.3 Data mining issues 5.4 Data Mining versus Knowledge Discovery in Database	4 Hrs	5.1 Introduction to Data Mining 5.2 Data mining Task 5.3 Data mining issues 5.4 Data Mining versus Knowledge Discovery in Database	-	Completed
10.	Feb	4th	6	4 Hrs	5.5 Data Mining Verification vs. Discovery 5.6 Data Pre-processing – Need, Data Cleaning,	4 Hrs	5.5 Data Mining Verification vs. Discovery 5.6 Data Pre-processing – Need, Data Cleaning,	-	Completed

					Data Integration & Transformation, Data Reduction 5.7 Accuracy Measures: Precision, recall, F-measure, confusion matrix, cross-validation, bootstrap		Data Integration & Transformation, Data Reduction 5.7 Accuracy Measures: Precision, recall, F-measure, confusion matrix, cross-validation, bootstrap		
11.	Mar	1st	6	4 Hrs	5.8 Data Mining Techniques 5.9 Frequent item-sets and Association rule mining: Apriori algorithm, FP tree algorithm 5.10 Graph Mining: Frequent sub-graph mining 5.11 Software for data mining : R, Weka, Sample applications of data mining 5.12 Introduction to Text Mining, Web Mining, Spatial Mining, Temporal Mining	4 Hrs	5.8 Data Mining Techniques 5.9 Frequent item-sets and Association rule mining: Apriori algorithm, FP tree algorithm 5.10 Graph Mining: Frequent sub-graph mining 5.11 Software for data mining : R, Weka, Sample applications of data mining 5.12 Introduction to Text Mining, Web Mining, Spatial Mining, Temporal Mining	-	Completed
12.	Mar	2nd	4	4 Hrs	6 .Spark 6.1 Introduction to Apache Spark 6.2 Spark Installation 6.3 Apache Spark Architecture 6.4 Components of Spark 6.5 Spark RDDs 6.6 RDD Operations: Transformation & Actions 6.7 Spark SQL and Data Frames 6.8 Introduction to Kafka for Spark Streaming	4 Hrs	6 .Spark 6.1 Introduction to Apache Spark 6.2 Spark Installation 6.3 Apache Spark Architecture 6.4 Components of Spark 6.5 Spark RDDs 6.6 RDD Operations: Transformation & Actions 6.7 Spark SQL and Data Frames 6.8 Introduction to Kafka for Spark Streaming	-	Completed

Faculty   HOD   Principal

Head
Department Of BBA(CA)
Arts, Science and Commerce College
Indapur, Dist. Pune-413106

PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

Teaching Plan

Name of Teacher: - Prof. Pawar N.H

Year: - 2023-24   Term: -II

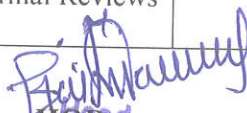Sub: - Software Testing   Paper: - CA-602   Class: - TYBBA(CA)

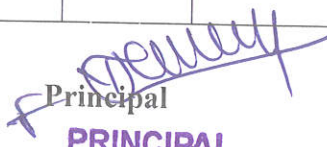|	Prat-I Teaching Plan				Part-II Execution Plan				
Sr. No	Month	Week	No.Of Working Days	No.Of period available	Topic to be taught	No.Of period engaged	Topics Taught	Deviation in period	Remark
1.	Dec	4th	6	4 Hrs	**1.Introduction** 1.1 Introduction, Nature of errors, 1.2 Testing Objectives 1.3 Testing principles	4 Hrs	1.1 Introduction, Nature of errors, 1.2 Testing Objectives 1.3 Testing principles	-	Completed
2.	Dec	5th	6	4 Hrs	1.4 Testing fundamentals, 1.5 Software reviews, Formal Technical reviews, 1.6 Inspection and walkthrough 1.7 Testing Life Cycle	4 Hrs	1.4 Testing fundamentals, 1.5 Software reviews, Formal Technical reviews, 1.6 Inspection and walkthrough 1.7 Testing Life Cycle	-	Completed
3.	Jan	1st	6	4 Hrs	**2 Approaches to Testing –Testing Methods** 2.1 White Box Testing and types of white box testing 2.2 Test Case Design	4 Hrs	**2 Approaches to Testing –Testing Methods** 2.1 White Box Testing and types of white box testing 2.2 Test Case Design	-	completed
4	Jan	2nd	6	4 Hrs	2.3 Black Box Testing and types of black box testing 2.4 Gray Box Testing	4 Hrs	2.3 Black Box Testing and types of black box testing 2.4 Gray Box Testing	-	Completed
5	Jan	3rd	6	4 Hrs	**3 Software Testing Strategies &Software metrics** 3.1 Software Testing Process 3.2 Unit	4 Hrs	**3 Software Testing Strategies &Software metrics** 3.1 Software Testing Process 3.2 Unit	-	Completed

					Testing 3.3 Integration- Top-down ,Bottom up 3.4 System Testing 3.5 Acceptance Testing (alpha, Beta testing)		Testing 3.3 Integration- Top-down ,Bottom up 3.4 System Testing 3.5 Acceptance Testing (alpha, Beta testing)		
6	Jan	4th	6	4 Hrs.	3.6 Validation and Verification 3.7 Big Bang Approach 3.8 Sandwich approach 3.9 Performance Testing	4 Hrs	3.6 Validation and Verification 3.7 Big Bang Approach 3.8 Sandwich approach 3.9 Performance Testing	-	Completed
7.	Feb	1st	6	4 Hrs	3.10 Regression Testing 3.11 Smoke Testing 3.13 Load Testing	4 Hrs	3.10 Regression Testing 3.11 Smoke Testing 3.13 Load Testing	-	Completed
8.	Feb	2nd	6	4 Hrs	**4 Software metrics** 4.1 Introduction 4.2 Basic Metrics –size-oriented metric, Function –oriented metric 4.3 Cyclometic Complexity Metrics Examples on Cyclometic Complexity	4 Hrs	**4 Software metrics** 4.1 Introduction 4.2 Basic Metrics –size-oriented metric, Function –oriented metric 4.3 Cyclometic Complexity Metrics Examples on Cyclometic Complexity	-	Completed
9.	Feb	3rd	6	4 Hrs	Testing for Specialized Environments 5.1 Testing GUI's 5.2 Testing of Client/Server Architectures	4 Hrs	Testing for Specialized Environments 5.1 Testing GUI's 5.2 Testing of Client/Server Architectures	-	Completed
10.	Feb	4th	6	4 Hrs	5.3 Testing Documentation and Help Facilities 5.4 Testing for Real-Time Systems	4 Hrs	5.3 Testing Documentation and Help Facilities 5.4 Testing for Real-Time Systems	-	Completed
11.	Mar	1st	6	4 Hrs	**6.Testing Tools& Software Quality Assurance** (Introduction) 6.1 JUnit, Apache JMeter, Win runner 6.2 Load runner, Rational Robot 6.3 Quality Concepts,	4 Hrs	**6.Testing Tools& Software Quality Assurance** (Introduction) 6.1 JUnit, Apache JMeter, Win runner 6.2 Load runner, Rational Robot 6.3	-	Completed

| 12. | Mar | 2nd | 4 | 4 Hrs | Quality Movement, Background Issues, SQA activities 6.4 Formal approaches to SQA 6.5 Statistical Quality Assurance 6.6 Software Reliability 6.7 The ISO 9000 Quality Standards 6.8 SQA Plan 6.9 Six sigma 6.10 Informal Reviews | 4 Hrs | Quality Concepts, Quality Movement, Background Issues, SQA activities 6.4 Formal approaches to SQA 6.5 Statistical Quality Assurance 6.6 Software Reliability 6.7 The ISO 9000 Quality Standards 6.8 SQA Plan 6.9 Six sigma 6.10 Informal Reviews | - | Completed |

Faculty

HOD

Principal

Teaching Plan

Name of Teacher: - Prof. Shinde H.N

Year: - 2023-24   Term: -II

Sub: - Advance Java   Paper: - CA-603   Class: - TYBBA(CA)

	Prat-I Teaching Plan				Part-II Execution Plan				
Sr. No	Month	Week	No.Of Working Days	No.Of period available	Topic to be taught	No.Of period engaged	Topics Taught	Deviation in period	Remark
1.	Dec	4th	6	4 Hrs	**1. JDBC** 1.1 The design of JDBC 1.2 Basic JDBC program Concept 1.3 Drivers 1.4 Architecture of JDBC	4 Hrs	**1. JDBC** 1.1 The design of JDBC 1.2 Basic JDBC program Concept 1.3 Drivers 1.4 Architecture of JDBC	-	Completed
2.	Dec	5th	6	4 Hrs	1.5 Making the Connection, Statement , ResultSet , PreparedStatement, CollableStatement 1.6 Executing SQL commands 1.7 Executing queries	4 Hrs	1.5 Making the Connection, Statement , ResultSet , PreparedStatement, CollableStatement 1.6 Executing SQL commands 1.7 Executing queries	-	Completed
3.	Jan	1st	6	4 Hrs	**2.Networking** 2.1 The java.net package 2.2 Connection oriented transmission – Stream Socket Class	4 Hrs	**2.Networking** 2.1 The java.net package 2.2 Connection oriented transmission – Stream Socket Class	-	completed
4	Jan	2nd	6	4 Hrs	2.3 Creating a Socket to a remote host on a port (creating TCP client and server) 2.4 Simple Socket Program Example.	4 Hrs	2.3 Creating a Socket to a remote host on a port (creating TCP client and server) 2.4 Simple Socket Program Example.	-	Completed
5	Jan	3rd	6	4 Hrs	**3.Servlet and JSP** 3.1 Introduction 3.2 How It differ from CGI 3.3 Types of servlet 3.4 Life cycle of servlet	4 Hrs	**3.Servlet and JSP** 3.1 Introduction 3.2 How It differ from CGI 3.3 Types of servlet 3.4 Life cycle of servlet	-	Completed
6	Jan	4th	6	4 Hrs.	3.5 Execution process of Servlet Application	4 Hrs	3.5 Execution process of Servlet Application	-	Completed

					3.6 Session Tracking 3.7 Cookie class 3.8 Servlet- Jdbc		3.6 Session Tracking 3.7 Cookie class 3.8 Servlet- Jdbc		
7.	Feb	1st	6	4 Hrs	4.JSP 3.9 Introduction to JSP 3.10 Components of JSP Directives , Tags, Scripting Elements	4 Hrs	4.JSP 3.9 Introduction to JSP 3.10 Components of JSP Directives , Tags, Scripting Elements	-	Completed
8.	Feb	2nd	6	4 Hrs	3.11 Execution process of JSP Application 3.12 Building a simple application using JSP 3.13 JSP with Database	4 Hrs	3.11 Execution process of JSP Application 3.12 Building a simple application using JSP 3.13 JSP with Database	-	Completed
9.	Feb	3rd	6	4 Hrs	5.Multithreading 4.1 Introduction to Thread 4.2 Life cycle of thread 4.3 Thread Creation - By using Thread Class - By Using Runnable interface	4 Hrs	5.Multithreading 4.1 Introduction to Thread 4.2 Life cycle of thread 4.3 Thread Creation - By using Thread Class - By Using Runnable interface	-	Completed
10.	Feb	4th	6	4 Hrs	4.4 Priorities and Synchronization 4.5 Inter thread communication 4.6 Implementation of Thread with Applet	4 Hrs	4.4 Priorities and Synchronization 4.5 Inter thread communication 4.6 Implementation of Thread with Applet	-	Completed
11.	Mar	1st	6	4 Hrs	Java Beans and RMI Java Beans 5.1 What is bean 5.2 Advantages 5.3 Using Bean Development kit(BDK) 5.4 Introduction to jar and manifest files 5.5 The java beans API	4 Hrs.	Java Beans and RMI Java Beans 5.1 What is bean 5.2 Advantages 5.3 Using Bean Development kit(BDK) 5.4 Introduction to jar and manifest files 5.5 The java beans API	-	Completed
12.	Mar	2nd	4	4 Hrs	Remote Method Invocation 5.6 Introduction to remote object RMI architecture 5.7 Stubs and skeleton	4 Hrs	Remote Method Invocation 5.6 Introduction to remote object RMI architecture 5.7 Stubs and skeleton	-	Completed

				5.8 Registry 5.9 Setting up RMI 5.10Using RMI with applet		5.8 Registry 5.9 Setting up RMI 5.10Using RMI with applet		

Faculty

Teaching Plan

Name of Teacher: - Prof. Raut T.S.

Year: - 2023-24   Term: -II

Sub: - .Net   Paper: - CA-604   Class: - TYBBA(CA)

		Prat-I Teaching Plan			Part-II Execution Plan				
Sr. No	Month	Week	No.Of Working Days	No.Of period available	Topic to be taught	No.Of period engaged	Topics Taught	Deviation in period	Remark
1.	Dec	3rd	6	2 Hrs	**1. Introduction to DOT NET FRAMEWORK** 1.1 What is Framework? 1.2 Architecture of Dot Net Framework 1.2.1 Common Language Runtime 1.2.2 Common Type System(CTS)	2 Hrs	**1. Introduction to DOT NET FRAMEWORK** 1.1 What is Framework? 1.2 Architecture of Dot Net Framework 1.2.1 Common Language Runtime 1.2.2 Common Type System(CTS)	-	Completed
2.	Dec	4th	6	4 Hrs	1.2.3 Common Language Specification(CLS) 1.2.3 JIT Compilers 1.2.3 Base Class Library 1.3 IDE (Integrated Development Environment) 1.4 Event Driven Programming	4 Hrs	1.2.3 Common Language Specification(CLS) 1.2.3 JIT Compilers 1.2.3 Base Class Library 1.3 IDE (Integrated Development Environment) 1.4 Event Driven Programming	-	Completed
3.	Dec	5th	6	2 Hrs	**2.Introduction to VB.Net** 2.1 Basics of VB.Net 2.1.1 Operators 2.1.2 Data Types 2.1.3 Control Structures 2.2Build Windows Applications 2.2.1 Controls: Form, TextBox, Button, Label, CheckBox, ListBox, ComboBox, RadioButton,	2 Hrs	**2.Introduction to VB.Net** 2.1 Basics of VB.Net 2.1.1 Operators 2.1.2 Data Types 2.1.3 Control Structures 2.2Build Windows Applications 2.2.1 Controls: Form, TextBox, Button, Label, CheckBox, ListBox, ComboBox, RadioButton,	-	completed

					DateTimePicker, MonthCalender		DateTimePicker, MonthCalender		
4	Jan	1st	6	4 Hrs	Timer, Progressbar,Scrollbar, PictureBox, ImageBox, ImageList, TreeView, ListView, Toolbar, StatusBar, Datagridview 2.2.2 Menus and PopUp Menu	4 Hrs	Timer, Progressbar,Scrollbar, PictureBox, ImageBox, ImageList, TreeView, ListView, Toolbar, StatusBar, Datagridview 2.2.2 Menus and PopUp Menu	-	Completed
5	Jan	2nd	6	4 Hrs	2.2.3 Predefined Dialog controls: Color,Save,File,Open, Font 2.2.4 DialogBox - InputBox(), MessageBox, MsgBox()	4 Hrs	2.2.3 Predefined Dialog controls: Color,Save,File,Open, Font 2.2.4 DialogBox - InputBox(), MessageBox, MsgBox()		
6	Jan	3rd	6	4 Hrs	**3.Introduction to C#** 3.1 Language Fundamentals 3.1.1 Data type and Control Constructs 3.1.2 Value and Reference Types,Boxing 3.1.3 Arrays 3.1.4 String class and its various operations 3.1.5 Functions	4 Hrs	**3. Introduction to C#** 3.1 Language Fundamentals 3.1.1 Data type and Control Constructs 3.1.2 Value and Reference Types,Boxing 3.1.3 Arrays 3.1.4 String class and its various operations 3.1.5 Functions	-	Completed
7.	Jan	4th	6	4 Hrs.	3.2 Object Oriented Concepts 3.2.1 Defining classes and Objects 3.2.2 Access modifiers 3.2.3 Constructors	4 Hrs	3.2 Object Oriented Concepts 3.2.1 Defining classes and Objects 3.2.2 Access modifiers 3.2.3 Constructors	-	Completed
8.	Feb	1st	6	4 Hrs	3.2.4 Inheritance 3.2.5 Interface 3.2.6 Abstract Class 3.2.7 Method Overloading and Overriding 3.2.8 Delegates	4 Hrs	3.2.4 Inheritance 3.2.5 Interface 3.2.6 Abstract Class 3.2.7 Method Overloading and Overriding 3.2.8 Delegates		
9.	Feb	2nd	6	4 Hrs	**4.Introduction to ASP.NET** 4.1 What isASP.NET?	4 Hrs	**4.Introduction to ASP.NET** 4.1 What isASP.NET?	-	Completed

					4.2 ASP.NET Page Life Cycle 4.3 Architecture ofASP.NET 4.4 Forms, WebPages, HTML forms, 4.5 Request & Response in Non-ASP.NET pages 4.6 Using ASP.NET Server Controls 4.7 Overview of Control structures 4.8 Functions		4.2 ASP.NET Page Life Cycle 4.3 Architecture ofASP.NET 4.4 Forms, WebPages, HTML forms, 4.5 Request & Response in Non-ASP.NET pages 4.6 Using ASP.NET Server Controls 4.7 Overview of Control structures 4.8 Functions		
10.	Feb	3rd	6	4 Hrs	4.9 HTML events 4.9.1 ASP.NET Web control events 4.9.2 Event driven programming and postback 4.10 Introduction to Web forms 4.10.1 Web Controls 4.10.2 Server Controls	4 Hrs	4.9 HTML events 4.9.1 ASP.NET Web control events 4.9.2 Event driven programming and postback 4.10 Introduction to Web forms 4.10.1 Web Controls 4.10.2 Server Controls	-	Completed
11.	Feb	4th	6	4 Hrs	4.10.3 Client Controls 4.10.4 Navigation Controls 4.10.5 Validations 4.10.6 Master Page 4.10.7 State Management Techniques	4 Hrs	4.10.3 Client Controls 4.10.4 Navigation Controls 4.10.5 Validations 4.10.6 Master Page 4.10.7 State Management Techniques		
12.	Mar	1st	6	4 Hrs	**5.Architecture of Ado.Net** 5.1 Basics of Ado.net 5.1.1Connection Object 5.1.2Command Object 5.1.3Dataset 5.1.4Data Table 5.1.5Data Reader Object	4 Hrs	**5.Architecture of Ado.Net** 5.1 Basics of Ado.net 5.1.1Connection Object 5.1.2Command Object 5.1.3Dataset 5.1.4Data Table 5.1.5Data Reader Object	-	Completed
13.	Mar	2nd	4	4 Hrs	5.1.6Data Adapter Object 5.2 Datagridview& Data Binding: Insert, Update, Delete	4 Hrs	5.1.6Data Adapter Object 5.2 Datagridview& Data Binding: Insert, Update, Delete		

Faculty