

Teaching Plan

Name of Teacher: - prof. Nishant Hanumant Pawar.

Year: - 2021-22

Term: -I

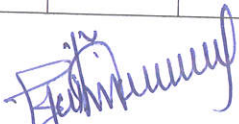
Sub: - Digital Marketing Paper: - CA-301 Class: - SYBBA(CA) Division:- No


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	2 nd	6	4 Hrs	UNIT I E-Comm erce	4 Hrs	Introduction, Understanding Internet Marketing, Search Engine Optimization, Search Engine Marketing, Email Marketing, Digital Display Marketing	-	Completed
2.	Aug	3 rd	6	4 Hrs	UNIT II Introduct ion to New Age Media (Digital) Market ing	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	4 th	6	4 Hrs	UNIT III Creatin g Initial Digital Market ing Plan	4 Hrs	Content management, SWOT analysis: Strengths, Weaknesses, Opportunities, andThreats ,Target group analysis EXERCISE: Define a target group	-	completed
4	Sep	1 st	6	4 Hrs	UNIT IV Market ing using Web Sites	4 Hrs	Web design, Optimization of Web sites, MS Expression Web EXERCISE: Creating web sites, MS Expression	-	Completed
5	Sep	2 nd	6	4 Hrs	UNIT V Search	4 Hrs	SEO Optimization, Writing the SEO content EXERCISE: Writing the	-	Completed

					Engine Optimi zation		SEO content		
6	Sep	3 rd	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	4 th	6	4 Hrs	UNIT VII Social Media Market ing	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	1 st	6	4 Hrs	UNIT VII Social Media Market ing	4 Hrs	7.3 Web analytics - levels 7.4 Modes of Social Media Marketing 7.4.1 Creating a Facebook page Visual identity of a Facebook page , Types of publications, Facebook Ads , Creating Facebook Ads , Ads Visibility	-	Completed
9.	oct	2 nd	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	3 rd	6	4 Hrs	UNIT VII Social Media Market ing	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	4 th	6	4 Hrs	VII Social Media Market ing	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	1 st	6	4 Hrs	UNIT VIII Digital Market ing Budget ing	4 Hrs	Resource planning, Cost estimating, Cost budgeting, Cost control	-	Completed


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Teaching Plan

Name of Teacher: - prof. Nishant Hanumant Pawar.

Year: - 2021-22

Term: - I

Sub: - Data Structure Paper: - CA-302

Class: - SYBBA(CA)

Division: -

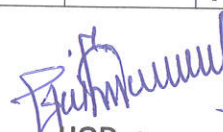
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Sr. No	Month	Week	No.Of Working Days	No.Of period available	Topic to be taught	No.Of period engaged	Topics Taught	Deviation in period	Remark
1.	Aug	2 nd	6	4 Hrs	UNIT I Basic Concept and Introduction to Data Structure	4 Hrs	Pointers and dynamic memory allocation, Algorithm-Definition and characteristics, Algorithm Analysis -Space Complexity -Time Complexity - Asymptotic Notation Introduction to Data structure , Types of Data structure.	-	Completed
2.	Aug	3 rd	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	4 th	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	1 st	6	4 Hrs	UNIT III Linked List	4 Hrs	Types of Linked List - Singly Linked list(All type of operation)	-	Completed
5	Sep	2 nd	6	4 Hrs	UNIT III Function s, 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	3 rd	6	4 Hrs	UNIT IV Stacks	4 Hrs	Primitive Operations on stack, Application of Stack , Conversion of Infix,	-	Completed
7.	Sep	4 th	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	1 st	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	2 nd	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	3 rd	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	4 th	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	1 st	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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Name of Teacher: - prof. Nishant Hanumant Pawar.

Year: - 2021-22

Term: - I

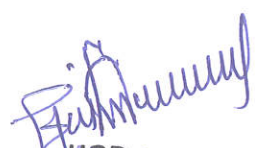
Sub: - Software Engineering Paper: - CA-303 Class: - SYBBA(CA) Division:- -

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	1 st	6	4 Hrs	UNIT I Intro duction to System Concep ts	4 Hrs	Definition, Basic Components, Elements of the System, Types of System, System Characteristics	-	Completed
2.	Aug	2 nd	6	4 Hrs	UNIT II Intro duction to Softwa re Engine ering	4 Hrs	Definition of Software Characteristics of Software Definition of Software Engineering	-	Completed
3.	Aug	3 rd	6	4 Hrs	UNIT II Intro duction to Softwa re Engine ering UNIT III Softwa re Develo pment 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	Aug	4 th	6	4 Hrs	UNIT III Softwa re Develo pment Life Cycle	4 Hrs	SDLC, Waterfall Model, Incremental Process Models	-	Completed

5	Sep	1 st	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	2 nd	6	4 Hrs	UNIT IV Requirement Engineering	4 Hrs	Requirement Elaboration, Requirement Gathering, Feasibility study	-	Completed
7.	Sep	3 rd	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.	Sep	4 th	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	1 st	6	4 Hrs	UNIT V Analysis And Design Tools	4 Hrs	Structured Design Concepts , Structure Chart,	-	Completed
10.	Oct	2 nd	6	4 Hrs	UNIT V Analysis And Design Tools UNIT VI	4 Hrs	Coupling and Cohesion, Compulsory Case Studies on above topics. Definition, Software testing Process, Unit Testing	-	Completed

					Software Testing				
11.	Oct	3 rd	6	4 Hrs	UNIT VI Software Testing	4 Hrs	Integration Testing, System Testing	-	Completed
12.	Oct	4 th	6	4 Hrs	UNIT VII Software Maintenance and Software Re-Engineering	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. Deshmane S.P.

Year: - 2021-22

Term: -I

Sub: - PHP

Paper: - CA-304

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	1 st	6	4 Hrs	UNIT I PHP Basics	4 Hrs	Setting up a development environment, Variables, numbers and strings,	-	Completed
2.	Aug	2 nd	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	3 rd	6	4 Hrs	UNIT II Control Structures and Loops	4 Hrs	Using Loops for Repetitive tasks, Using Loops for Repetitive tasks,	-	completed
4	Aug	4 th	6	4 Hrs	UNIT II Control Structures and Loops UNIT III Functions,	4 Hrs	Combining Loops and Arrays. PHP's Built-in functions.	-	Completed
5	Sep	1 st	6	4 Hrs	UNIT III Functions,	4 Hrs	Creating Custom functions, Passing Values by Reference, Understanding Objects.	-	Completed
6	Sep	2 nd	6	4 Hrs	UNIT IV Working with Forms	4 Hrs	Building a Form, Processing a Form's Data	-	Completed

7.	sep	3 rd	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.	sep	4 th	6	4 Hrs	UNIT V More with Forms	4 Hrs	Retrieving values from lists, Validating and restricting data	-	Completed
9.	oct	1 st	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	2 nd	6	4 Hrs	UNIT VI Storing and Protecting Data	4 Hrs	Protecting Online Files	-	Completed
11.	oct	3 rd	6	4 Hrs	UNIT VI Storing and Protecting Data Unit VII MySQL Databases	4 Hrs	Understanding Session Variables MySQL database overview	-	Completed
12.	oct	4 th	6	4 Hrs	Unit VII MySQL Databases	4 Hrs	MySQL database overview	-	Completed

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Teaching Plan

Name of Teacher: - Prof. Gaikwad P. N.
Year: - 2021-22 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 En Period	Remark
1	Aug.	1 st	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.	2 nd	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.	Aug.	3 rd	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.	Aug.	2 nd	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.	Aug.	3 rd	4	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.1 Basics of Machine Learning 3.2 Supervised Machine Learning	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.1 Basics of Machine Learning 3.2 Supervised Machine Learning	-	Completed
4.	Aug	4 th	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.	Sep.	1 st	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.	Sep	2 nd	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.	Sep	3 rd	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	Sep	4 th	4	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.4.2 Nonlinear Regression	4Hrs	3.INTRODUCTION TO MACHINE LEARNING 3.4.2 Nonlinear Regression		Completed
4	Oct	1 st	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
4	Oct.	2 nd	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: - 2021-22

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	4 th	4	4 Hrs	UNIT I Intro duction to Compu ter Networ k	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	5 th	6	4 Hrs	UNIT I Intro duction to Compu ter Networ k	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	1 st	6	4 Hrs	UNIT I Intro duction to Compu ter Networ k UNIT II Networ k 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	2 nd	6	4 Hrs	UNIT II Network Models	4 Hrs	Reference Model, TCP/IP Protocol Suite, Addressing, Physical Addresses, Logical Addresses.	-	Completed
5	Jan	3 rd	6	4 Hrs	UNIT II Network Models UNIT III Transmission Media.	4 Hrs	Port Addresses, Specific Addresses, IP Addressing, Classful Addressing, Classless Addressing Introduction, Types of Transmission Media, Guided Media: Twisted Pair Cable- Physical Structure, Categories, Connectors	-	Completed
6	Jan	4 th	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	1 st	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	2 nd	6	4 Hrs	UNIT IV Wired and Wireless	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	3 rd	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	4 th	6	4 Hrs	UNIT V Network Devices	4 Hrs	Repeaters, Bridges- Types of Bridges, Switches, Router, Gateways	-	Completed
11.	Mar	1 st	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	2 nd	4	4 Hrs	UNIT VI Network Security	4 Hrs	Cryptography, PlainText, Cipher Text, Encryption, Decryption, Symmetric Key and Asymmetric Key Cryptography, Substitution Techniques, Caesar Cipher, and Transposition Cipher (Problems should be covered.), Firewalls- Packet Filter firewall, Proxy firewall, Steganography, Copyright	-	Completed

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Teaching Plan

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

Year: - 2021-22

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	4 th	2	2 Hrs	UNIT I Introductio tion 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	5 th	6	4 Hrs	UNIT II Beginni ng 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	1 st	6	4 Hrs	UNIT I UNIT II Beginni ng 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	2 nd	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
					UNIT		Friend function and Friend		

5	Jan	3 rd	6	4 Hrs	III Classes and Objects UNIT IV Constr uctors and Destru ctors	4 Hrs	class, Function returning objects. Constructors, Types of constructor : Default, Parameterized, Copy, Multiple constructors in a class	-	Completed
6	Jan	4 th	6	4 Hrs.	UNIT IV Constr uctors and Destru ctors	4 Hrs	Constructors with default argument, Dynamic initialization of constructor, Dynamic constructor, Destructor	-	Completed
7.	Feb	1 st	6	4 Hrs	UNIT V Inherit ance	4 Hrs	Introduction, Defining Base class and Derived class, Types of Inheritance, Virtual Base Class	-	Completed
8.	Feb	2 nd	6	4 Hrs	UNIT V Inherit ance UNIT VI Polymo rphism	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	3 rd	6	4 Hrs	UNIT VI Polymo rphism	4 Hrs	Operator Overloading using friend function ,Overloading insertion and extraction operators, String manipulation using operator overloading	-	Completed
10.	Feb	4 th	6	4 Hrs	UNIT VI Olymor	4 Hrs	Runtime Polymorphism, this Pointer, pointers to objects, pointer to derived	-	Completed

					phism UNIT VII Managi ng console I/O operati ons		classes, Virtual functions and pure virtual functions C++ streams and C++ stream classes, Unformatted I/O operations 8.3 Formatted console I/O operations.		
11.	Mar	1 st	6	4 Hrs	UNIT VII Managi ng console I/O operati ons UNIT VIII Workin g with Files	4 Hrs	C++ streams and C++ stream classes. Unformatted I/O operations. Formatted console I/O operations. Stream Classes for File operations, File operations - Opening, Closing and updating, File updating with random access.	-	Completed
12.	Mar	2 nd	4	4 Hrs	UNIT VIII Workin g with Files UNIT IX Templa tes	4 Hrs	Error handling during File operations, Command Line arguments Introduction, Class Template and class template with multiple parameters.	-	Completed
13.	Mar	3 rd	2	2 Hrs	UNIT IX Templa tes	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: - 2021-22

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	4 th	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	5 th	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	1 st	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	2 nd	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	3 rd	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	4 th	6	4 Hrs.	UNIT V Process Synchronization	4 Hrs	Deadlock & Starvation - Types of Semaphores, Classical Problems of synchronization – - Bounded buffer problem - Readers & writers	-	Completed
7.	Feb	1 st	6	4 Hrs	UNIT IV Deadlock	4 Hrs	Introduction, Deadlock Characterization, Necessary Condition, Deadlock Handling Technique–	-	Completed
	Feb	2 nd	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 - Dynamic loading -	-	Completed

							Dynamic linking and shared libraries		
9.	Feb	3 rd	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	4 th	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), Access methods -- Sequential access - Direct access.	-	Completed
11.	Mar	1 st	6	4 Hrs	UNIT VIII File System	4 Hrs	File structure -- Allocation methods - Contiguous allocation - Linked Allocation - Indexed--	-	Completed
	Mar	2 nd	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	3 rd	1	1 Hrs	UNIT IX I/O System	1 Hrs	Disk Scheduling -- FCFS - Shortest Seek time first - SCAN - C-SCAN - C-LOOK.	-	Completed

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INDAPUR-413106 DIST-PUNE

Teaching Plan

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

Year: - 2021-22

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	4 th	6	4 Hrs	UNIT I Intro duction to Object Oriente d Progra mming in PHP	4 Hrs	Classes Objects, Introspection, Serialization, Inheritance.	-	Completed
2.	Dec	5 th	6	4 Hrs	UNIT I Web Techni ques. UNIT II Web Techni ques	4 Hrs	Interfaces, Encapsulation Server information, Processing forms, Sticky forms	-	Completed
3.	Jan	1 st	6	4 Hrs	UNIT II Web Techni ques UNIT III Setting respon se header s	4 Hrs	Setting response headers Introduction XML, XML document Structure, PHP and XML	-	completed

4	Jan	2 nd	6	4 Hrs	UNIT III Setting response headers	4 Hrs	XML parser, The document object model	-	Completed
5	Jan	3 rd	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	-	Completed
6	Jan	4 th	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	-	Completed
7.	Feb	1 st	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.	-	Completed
8	Feb	2 nd	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	-	Completed
9.	Feb	3 rd	6	4 Hrs	UNIT V Introduction to Web Service	4 Hrs	Web services communication models, Basic steps of implementing web services.	-	Completed

					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	4 th	6	4 Hrs	UNIT VI PHP Frame work (Joomla / Druple)	4 Hrs	Administering Joomla/Druple ,Presentation Administration, Content Administration, System Administration	-	Completed
11.	Mar	1 st	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	-	Completed
12.	Mar	2 nd	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	-	Completed

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Teaching Plan

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

Year: - 2021-22

Term: -II

Sub: - Cyber Security

Paper: - CA-501

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 engage	Topics Taught	Deviati on in period	Remark
1.	Aug	2 nd	6	4 Hrs	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	3 rd	6	4 Hrs	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	4 th	6	4 Hrs	1.6 Definition of Cyber Security 1.7	4 Hrs	1.6 Definition of Cyber Security 1.7	-	

					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	1 st	6	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 (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	2 nd	6	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	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	3 rd	6	4 Hrs	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	4 th	6	4 Hrs	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	1 st	6	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	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	2 nd	6	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	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	3 rd	6	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	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	-	Completed

					Cybercrime and Punishment 4.10 Cyberlaw, Technology and Students: Indian Scenario		the Indian IT Act 4.9 Cybercrime and Punishment 4.10 Cyberlaw, Technology and Students: Indian Scenario		
11.	Oct	4 th	6	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	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	1 st	6	4 Hrs	Chapter 6:- Cybersecurity: Organizational Implications 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	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	-	Completed

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Teaching Plan

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

Year: - 2021-22

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	2 nd	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	3 rd	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	4 th	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	1 st	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	2 nd	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	3 rd	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	4 th	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	1 st	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	2 nd	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 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 covered)	-	Completed
10.	oct	3 rd	6	4 Hrs	7.Architectural Modelling	4 Hrs	7 Architectural Modelling	-	

					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) 7.3 Deployment Diagram (Minimum two examples should be covered) 7.4 Collaboration Diagram		
11.	oct	4 th	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	1 st	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

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Teaching Plan

Name of Teacher: - Prof. Pawar Nishant *oH*
 Year: - 2021-22 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	Deviati on in period	Remark
1.	Aug	2 nd	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	3 rd	4	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	4 th	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	1 st	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
5	Sep	2 nd ,	6		finalize() method 2.6		finalize() method 2.6		Completed

				4 Hrs	Nested class, Inner class, and Anonymous inner class	4 Hrs	Nested class, Inner class, and Anonymous inner class	-	
6	Sep	3 rd	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	4 th	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	1 st	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	2 nd	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	3 rd	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	4 th	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	1 st	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: - 2021-2022

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	2 nd	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	3 rd	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	4 th	6	4 Hrs	1.7 Tuple-Introduction, Accessing tuples, operations working, function & methods, Examples. 1.8 Dictionary-Introduction, Accessing	4 Hrs	1.7 Tuple-Introduction, Accessing tuples, operations working, function & methods, Examples. 1.8	-	Completed

					values in dictionaries, working with dictionaries, properties, function, Examples		Dictionar Introduction, Accessing values in dictionaries, working with dictionaries, properties, function, Examples		
4	Sep	1 st	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	2 nd	6	4 Hrs	Unit 2: Modules and Packages 2.1 Built 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 2.2.1 Structure of Python Modules 2.3 Packages 2.3.1 Predefined Packages 2.3.2 User defined Packages	4 Hrs	Unit 2: Modules and Packages 2.1 Built 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 2.2.1 Structure of Python Modules 2.3 Packages 2.3.1 Predefined Packages 2.3.2 User defined Packages	-	Completed
6	Sep	3 rd	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	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	-	Completed

					Inheritance 3.2.4 Hybrid Inheritance 3.2.5 Hierarchical Inheritance 3.2.6 IS-A Relationship and HAS-A Relationship	4 Hrs	3.2.2 Multilevel Inheritance 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	4 th	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	1 st	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	2 nd	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	3 rd	6	4 Hrs	Unit 6: Python Libraries 6.1 Statistical Analysis- NumPy, SciPy, Pandas, StatsModels 6.2 Data Visualization- Matplotlib, Seaborn, Plotly	4 Hrs	Unit 6: Python Libraries 6.1 Statistical Analysis- NumPy, SciPy, Pandas, StatsModels 6.2 Data Visualization- Matplotlib, Seaborn, Plotly		Completed
11.	oct	4 th	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	1 st	6	4 Hrs	Pytorch, Keras 6.5 Natural Language Processing.	4 Hrs	Pytorch, Keras 6.5 Natural Language Processing.	-	Completed
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INDAPUR-413106 DIST-PUNE

Teaching Plan

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

Year: - 2021-22

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	4 th	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	5 th	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	1 st	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	2 nd	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	3 rd	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	4 th	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	1 st	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	2 nd	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	3 rd	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	4 th	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	1 st	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	2 nd	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

Dr. S. S. Kulkarni

HOD

Head

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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: - 2021-22

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	4 th	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	5 th	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	1 st	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	2 nd	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	3 rd	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	4 th	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	1 st	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	2 nd	6	4 Hrs	4 Software metrics 4.1 Introduction 4.2 Basic Metrics –size- oriented metric, Function –oriented metric 4.3 Cyclometric Complexity Metrics Examples on Cyclometric Complexity	4 Hrs	4 Software metrics 4.1 Introduction 4.2 Basic Metrics –size- oriented metric, Function –oriented metric 4.3 Cyclometric Complexity Metrics Examples on Cyclometric Complexity	-	Completed
9.	Feb	3 rd	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	4 th	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	1 st	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

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


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Teaching Plan

Name of Teacher: - Prof. Pawar N.H

Year: - 2021-22

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	4 th	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	5 th	6	4 Hrs	1.5 Making the Connection, Statement, ResultSet, PreparedStatement, CallableStatement 1.6 Executing SQL commands 1.7 Executing queries	4 Hrs	1.5 Making the Connection, Statement, ResultSet, PreparedStatement, CallableStatement 1.6 Executing SQL commands 1.7 Executing queries	-	Completed
3.	Jan	1 st	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	2 nd	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	3 rd	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	4 th	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	1 st	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	2 nd	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	3 rd	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	4 th	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	1 st	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	2 nd	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		
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Teaching Plan

Name of Teacher: - Prof. DEshmane S.P

Year: - 2021-22

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	3 rd	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	4 th	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	5 th	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	1 st	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	2 nd	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	3 rd	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	4 th	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	1 st	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	2 nd	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 of ASP.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 of ASP.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	3 rd	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	4 th	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	1 st	6	4 Hrs	5. Architecture of Ado.Net 5.1 Basics of Ado.net 5.1.1 Connection Object 5.1.2 Command Object 5.1.3 Dataset 5.1.4 Data Table	4 Hrs	5. Architecture of Ado.Net 5.1 Basics of Ado.net 5.1.1 Connection Object 5.1.2 Command Object 5.1.3 Dataset	-	Completed
13.	Mar	2 nd	4	4 Hrs	5.1.6 Data Adapter Object 5.2 Datagridview & Data Binding: Insert, Update, Delete	4 Hrs	5.1.6 Data Adapter Object 5.2 Datagridview & Data Binding: Insert, Update, Delete records 5.3		

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