

## Teaching Plan

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

Year: - 2019-20

Term: -I

Sub: - Dot Net Programming

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	1 <sup>st</sup>	4	4Hrs	<b>Introduction to .Net Framework</b> 1.1 IDE (Integrated Development Environment) 1.2 Event Driven Programming 1.3 . NET Framework 1.4 Architecture of .Net	4Hrs	<b>Introduction to .Net Framework</b> 1.1 IDE (Integrated Development Environment) 1.2 Event Driven Programming 1.3 . NET Framework 1.4 Architecture of .Net	-	Completed
2.	Aug	2 <sup>nd</sup>	4	4Hrs	1.5 Execution Process of .Net Application 1.6 Features of .Net 1.7 Advantages of .Net 1.8 Develop simple .Net Application	4Hrs	1.5 Execution Process of .Net Application 1.6 Features of .Net 1.7 Advantages of .Net 1.8 Develop simple .Net Application	-	Completed
3.	Aug	3 <sup>rd</sup>	4	4 Hrs	<b>Introduction to VB.Net</b> 2.1 Basics of VB.Net 2.1.1 Operators 2.1.2 Data Types 2.2 Control Structures 2.2.1 Decision making statements 2.2.2 Loops - For, while, do while etc. 2.3 Exit Statements 2.4 Build Console Applications 2.4.1 Methods - Read(), Readline(), Write(), Writeline() etc.	4 Hrs	<b>Introduction to VB.Net</b> 2.1 Basics of VB.Net 2.1.1 Operators 2.1.2 Data Types 2.2 Control Structures 2.2.1 Decision making statements 2.2.2 Loops - For, while, do while etc. 2.3 Exit Statements 2.4 Build Console Applications 2.4.1 Methods - Read(), Readline(), Write(), Writeline() etc.	-	Completed
4	Aug	4 <sup>th</sup>	4	4 Hrs	2.5 Build Windows Applications 2.5.1 Controls - Form, TextBox, Button, Label, CheckBox, Listbox, ComboBox,	4 Hrs	2.5 Build Windows Applications 2.5.1 Controls - Form, TextBox, Button, Label, CheckBox, Listbox, ComboBox,	-	Completed

					RadioButton. DateTimePicker, MonthCalender, Timer, Progressbar, Scrollbar, PictureBox, ImageBox, ImageList, TreeView, ListView, Toolbar, StatusBar, Datagridview		RadioButton. DateTimePicker, MonthCalender, Timer, Progressbar, Scrollbar, PictureBox, ImageBox, ImageList, TreeView, ListView, Toolbar, StatusBar, Datagridview		
5	Aug	5 <sup>th</sup>	4	4 Hrs	2.5.2 Menus and PopUp Menu 2.5.3 Predefined Dialog controls 2.5.4 DialogBox - InputBox(), MessageBox(), MsgBox()	4 Hrs	2.5.2 Menus and PopUp Menu 2.5.3 Predefined Dialog controls 2.5.4 DialogBox - InputBox(), MessageBox(), MsgBox()	-	Completed
6	Sep	1 <sup>st</sup>	4	4 Hrs	<b>Object Oriented Programming in VB .Net</b> 3.1 Class and Object 3.2 Properties, methods and events. 3.3 Constructors and Destructors 3.4 Method overloading	4 Hrs	<b>Object Oriented Programming in VB .Net</b> 3.1 Class and Object 3.2 Properties, methods and events. 3.3 Constructors and Destructors 3.4 Method overloading	-	Completed
7.	Sep	2 <sup>nd</sup>	4	4 Hrs	3.5 Inheritance 3.5.1 MyBase , MyClass keywords. 3.6 Access modifiers: Public, Private, Protected, Friend.	4 Hrs	3.5 Inheritance 3.5.1 MyBase , MyClass keywords. 3.6 Access modifiers: Public, Private, Protected, Friend.	-	Completed
8.	Sep	3 <sup>rd</sup>	4	4 Hrs	3.7 Method Overriding. 3.8 Interfaces. 3.9 Polymorphism. 3.10 Exception Handling	4 Hrs	3.7 Method Overriding. 3.8 Interfaces. 3.9 Polymorphism. 3.10 Exception Handling	-	Completed

9.	Sep	4 <sup>th</sup>	4	4 Hrs	<b>Architecture Of ADO.Net</b> 4.1 Database : Connection, Command, DataAdapter ,DataSet, DataReader, DataTable 4.2 Connection to database with Server Explorer	4 Hrs	<b>Architecture Of ADO.Net</b> 4.1 Database : Connection, Command, DataAdapter ,DataSet, DataReader, DataTable 4.2 Connection to database with Server Explorer	-	<b>Completed</b>
10.	Sep	1 <sup>st</sup>	4	4 Hrs	4.3 Multiple Table Connection 4.4 Data binding with controls like TextBox, ListBox, DataGrid. 4.5 Navigating data source 4.6 DataGridview, DataFormwizard, Data validation	4 Hrs	4.3 Multiple Table Connection 4.4 Data binding with controls like TextBox, ListBox, DataGrid. 4.5 Navigating data source 4.6 DataGridview, DataFormwizard, Data validation	-	<b>Completed</b>
11.	Oct	2 <sup>nd</sup>	4	4 Hrs	<b>Crystal Report</b> 5.1 Connection to Database, Table, Queries, Building Report, Modifying Report, Formatting Fields and Object	4 Hrs	<b>Crystal Report</b> 5.1 Connection to Database, Table, Queries, Building Report, Modifying Report, Formatting Fields and Object	-	<b>Completed</b>
12.	Oct	3 <sup>rd</sup>	4	4 Hrs	5.2 Header, Footer, Working with formula fields, Parameter fields, Special fields 5.3 Working with Multiple Tables.	4 Hrs	5.2 Header, Footer, Working with formula fields, Parameter fields, Special fields 5.3 Working with Multiple Tables.	-	<b>Completed</b>

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## Teaching Plan

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

Year: - 2019-20

Term: -I

Sub: - Java Programming

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	1 <sup>st</sup>	4	4Hrs	<b>Introduction to Java</b> 1.1 Features of java 1.2 JDK Environment & tools like(java, javac, appletviewer, javadoc, jdb) 1.3 OOPs Concepts Class, Abstraction , Encapsulation, Inheritance, Polymorphism 1.4 Difference between C++ and JAVA 1.5 Structure of java program 1.6 Data types ,Variables ,Operators , Keywords ,Naming Convention	4Hrs	<b>Introduction to Java</b> 1.1 Features of java 1.2 JDK Environment & tools like(java, javac, appletviewer, javadoc, jdb) 1.3 OOPs Concepts Class, Abstraction , Encapsulation, Inheritance, Polymorphism 1.4 Difference between C++ and JAVA 1.5 Structure of java program 1.6 Data types ,Variables ,Operators , Keywords ,Naming Convention	-	Completed
2.	Aug	2 <sup>nd</sup>	4	4Hrs	1.7 Decision Making (if, switch), Looping(for, while) 1.8 Type Casting 1.9 Array Creating an array Types of Array - One Dimensional arrays - Two Dimensional array 1.10 String - Arrays , Methods. - StringBuffer class	4Hrs	1.7 Decision Making (if, switch), Looping(for, while) 1.8 Type Casting 1.9 Array Creating an array Types of Array - One Dimensional arrays - Two Dimensional array 1.10 String - Arrays , Methods. - StringBuffer class	-	Completed
3.	Aug	3 <sup>rd</sup>	4	4 Hrs	<b>Classes and Objects</b> 2.1 Creating Classes and objects 2.2 Memory allocation for objects 2.3 Constructor 2.4 Implementation of	4 Hrs	<b>Classes and Objects</b> 2.1 Creating Classes and objects 2.2 Memory allocation for objects 2.3 Constructor 2.4	-	Completed

					Inheritance Simple, Multilevel, 2.5 Interfaces		Implementation of Inheritance Simple, Multilevel, 2.5 Interfaces		
4	Aug	4 <sup>th</sup>	4	4 Hrs	2.6 Abstract classes and methods 2.7 Implementation of Polymorphism 2.8 Method Overloading, Method Overriding 2.9 Nested and Inner classes. 2.10 Modifiers and Access Control	4 Hrs	2.6 Abstract classes and methods 2.7 Implementation of Polymorphism 2.8 Method Overloading, Method Overriding 2.9 Nested and Inner classes. 2.10 Modifiers and Access Control	-	Completed
5	Aug	5 <sup>th</sup>	4	4 Hrs	2.11 Packages Packages Concept Creating user defined packages 2.12 Java Built in packages java.lang->math java.util->Random, Date, Hashtable 2.13 Wrapper classes	4 Hrs	2.11 Packages Packages Concept Creating user defined packages 2.12 Java Built in packages java.lang->math java.util->Random, Date, Hashtable 2.13 Wrapper classes	-	Completed
6	Sep	1 <sup>st</sup>	4	4 Hrs	<b>Collection</b> 3.1 Collection Framework. 3.1.1 Interfaces - Collection - List - Set - SortedSet - Enumeration - Iterator - ListIterator	4 Hrs	<b>Collection</b> 3.1 Collection Framework. 3.1.1 Interfaces - Collection - List - Set - SortedSet - Enumeration - Iterator - ListIterator	-	Completed
7.	Sep	2 <sup>nd</sup>	4	4 Hrs	3.1.2. Classes - LinkedList - ArrayList - Vector - HashSet - TreeSet - Hashtable 3.2 Working with maps 3.2.1 Map interface 3.2.2 Map classes - HashMap - TreeMap	4 Hrs	3.1.2. Classes - LinkedList - ArrayList - Vector - HashSet - TreeSet - Hashtable 3.2 Working with maps 3.2.1 Map interface 3.2.2 Map classes - HashMap - TreeMap	-	Completed
8.	Sep	3 <sup>rd</sup>	4	4 Hrs	<b>File and Exception Handling</b> Exception 4.1 Exception types 4.2 Using try catch and multiple catch Nested try, throw , throws and finally 4.3 Creating user defined Exceptions	4 Hrs	<b>File and Exception Handling</b> Exception 4.1 Exception types 4.2 Using try catch and multiple catch Nested try, throw , throws and finally 4.3 Creating user defined Exceptions	-	Completed



9.	Sep	4 <sup>th</sup>	4	4 Hrs	File Handling 4.4 Stream ByteStream Classes CharacterStream Classes 4.5 File IO basics 4.6 File operations Creating file Reading file(character, byte ) Writing file (character, byte )	4 Hrs	File Handling 4.4 Stream ByteStream Classes CharacterStream Classes 4.5 File IO basics 4.6 File operations Creating file Reading file(character, byte ) Writing file (character, byte )	-	Completed
10.	Sep	1 <sup>st</sup>	4	4 Hrs	<b>Applet, AWT and Swing Programming</b> Applet 5.1 Introduction 5.2 Types applet 5.3 Applet Life cycle - Creating applet - Applet tag 5.4 Applet Classes - Color - Graphics - Font	4 Hrs	<b>Applet, AWT and Swing Programming</b> Applet 5.1 Introduction 5.2 Types applet 5.3 Applet Life cycle - Creating applet - Applet tag 5.4 Applet Classes - Color - Graphics - Font	-	Completed
11.	Oct	2 <sup>nd</sup>	4	4 Hrs	AWT 5.5 Components and container used in AWT 5.6 Layout managers 5.7 Listeners and Adapter classes 5.8 Event Delegation model	4 Hrs	AWT 5.5 Components and container used in AWT 5.6 Layout managers 5.7 Listeners and Adapter classes 5.8 Event Delegation model	-	Completed
12.	Oct	3 <sup>rd</sup>	4	3 Hrs	Swing 5.9 Introduction to Swing Component and Container Classes	4 Hrs	Swing 5.9 Introduction to Swing Component and Container Classes	-	Completed

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## Teaching Plan

Name of Teacher: - Prof. Deshmane S. P.  
Year: - 2019-20 Term: -I

Sub: - Object Oriented Software Engineering 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	Deviati on in period	Remark
1.	Aug	1 <sup>st</sup>	4	4Hrs	<b>Object Oriented Concepts, Modeling and UML</b> 1.1 What is Object Orientation? (Introduction to class, object, inheritance, polymorphism) 1.2 Model 1.2.1 Introduction of Modeling 1.2.2 Object Oriented Modeling	4Hrs	<b>Object Oriented Concepts, Modeling and UML</b> 1.1 What is Object Orientation? (Introduction to class, object, inheritance, polymorphism) 1.2 Model 1.2.1 Introduction of Modeling 1.2.2 Object Oriented Modeling	-	Completed
2.	Aug	2 <sup>nd</sup>	4	4Hrs	1.3 Object oriented system development 1.3.1 Function/data methods 1.3.2 Object oriented analysis 1.3.3 Object oriented construction 1.3.4 Object oriented testing 1.4 Identifying the elements of an object model 1.4.1 Identifying classes and objects 1.4.2 Specifying the attributes 1.4.3 Defining operations 1.4.4 Finalizing the object definition	4Hrs	1.3 Object oriented system development 1.3.1 Function/data methods 1.3.2 Object oriented analysis 1.3.3 Object oriented construction 1.3.4 Object oriented testing 1.4 Identifying the elements of an object model 1.4.1 Identifying classes and objects 1.4.2 Specifying the attributes 1.4.3 Defining operations 1.4.4 Finalizing the object definition	-	Completed
3.	Aug	3 <sup>rd</sup>	4	4 Hrs	1.5 Introduction to UML 1.6 Overview of UML 1.7 Conceptual Model of UML 1.8 Architecture 1.9 Advantages of UML	4 Hrs	1.5 Introduction to UML 1.6 Overview of UML 1.7 Conceptual Model of UML 1.8 Architecture 1.9 Advantages of UML	-	Completed


4	Aug	4 <sup>th</sup>	4	4 Hrs	<b>Basic and Advanced Structural Modeling</b> 2.1 Classes and Relationship 2.2 Common mechanism 2.3 Diagrams 2.4 Class diagram 2.5 Advanced classes	4 Hrs	<b>Basic and Advanced Structural Modeling</b> 2.1 Classes and Relationship 2.2 Common mechanism 2.3 Diagrams 2.4 Class diagram 2.5 Advanced classes	-	Completed
5	Aug	5 <sup>th</sup>	4	4 Hrs	2.6 Advanced Relationship 2.7 Interface , Types and Roles 2.8 Packages 2.9 Object Diagram	4 Hrs	2.6 Advanced Relationship 2.7 Interface , Types and Roles 2.8 Packages 2.9 Object Diagram	-	Completed
6	Sep	1 <sup>st</sup>	4	4 Hrs	<b>Basic Behavioral and Architectural Modeling</b> 3.1 Use cases, Use Case Diagram 3.2 Interaction Diagram 3.3 Sequence Diagram 3.4 Activity Diagram	4 Hrs	<b>Basic Behavioral and Architectural Modeling</b> 3.1 Use cases, Use Case Diagram 3.2 Interaction Diagram 3.3 Sequence Diagram 3.4 Activity Diagram	-	Completed
7.	Sep	2 <sup>nd</sup>	4	4 Hrs	3.5 State Chart Diagram 3.6 Collaboration Diagram 3.7 Components Diagram 3.8 Deployment Diagram (Minimum 2 case studies for each diagram)	4 Hrs	3.5 State Chart Diagram 3.6 Collaboration Diagram 3.7 Components Diagram 3.8 Deployment Diagram (Minimum 2 case studies for each diagram)	-	Completed
8.	Sep	3 <sup>rd</sup>	4	4 Hrs	<b>Object Oriented Analysis</b> 4.1 Iterative Development 4.2 Understanding requirements	4 Hrs	<b>Object Oriented Analysis</b> 4.1 Iterative Development 4.2 Understanding requirements	-	Completed



9.	Sep	4 <sup>th</sup>	4	4 Hrs	4.3 Unified process & UP Phases Inception Elaboration Construction Transition	4 Hrs	4.3 Unified process & UP Phases Inception Elaboration Construction Transition	-	Completed
10.	Sep	1 <sup>st</sup>	4	4 Hrs	<b>Object Oriented Design</b> 5.1 The Booch Method, The Coad and Yourdon Method and Jacobson and Rambaugh Method	4 Hrs	<b>Object Oriented Design</b> 5.1 The Booch Method, The Coad and Yourdon Method and Jacobson and Rambaugh Method	-	Completed
11.	Oct	2 <sup>nd</sup>	4	4 Hrs	5.2 Generic components of OO Design model	4 Hrs	5.2 Generic components of OO Design model	-	Completed
12.	Oct	3 <sup>rd</sup>	4	3 Hrs	5.3 System Design process 5.3.1 Partitioning the analysis model 5.3.2 Concurrency and subsystem allocation 5.3.3 Task Management component 5.3.4 Data Management component 5.3.5 Resource Management component 5.3.6 Inter sub-system communication 5.4 Object Design process	3 Hrs	5.3 System Design process 5.3.1 Partitioning the analysis model 5.3.2 Concurrency and subsystem allocation 5.3.3 Task Management component 5.3.4 Data Management component 5.3.5 Resource Management component 5.3.6 Inter sub-system communication 5.4 Object Design process	-	Completed

  
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## Teaching Plan

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

Year: - 2019-20

Term: -I

Sub: - Web Technologies

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	Deviati on in period	Remark
1.	Aug	1 <sup>st</sup>	4	4Hrs	<b>Web Essentials</b> 1.1 Clients- Servers and Communication 1.2 Internet-Basic ,Internet Protocols(HTTP,FTP,IP)	4Hrs	<b>Web Essentials</b> 1.1 Clients- Servers and Communication 1.2 Internet-Basic ,Internet Protocols(HTTP,FTP,I P)	-	Completed
2.	Aug	2 <sup>nd</sup>	4	4Hrs	1.3 World Wide Web(WWW) 1.4 HTTP request message, HTTP response message		1.3 World Wide Web(WWW) 1.4 HTTP request message, HTTP response message	-	Completed
3.	Aug	3 <sup>rd</sup>	4	4 Hrs	<b>Markup Languages</b> 2.1 Introduction to HTML 2.2 Basic HTML Structure 2.3 Common HTML Tags 2.4 Physical and Logical HTML 2.5 Types of Images, client side and server-side Image mapping	4Hrs	<b>Markup Languages</b> 2.1 Introduction to HTML 2.2 Basic HTML Structure 2.3 Common HTML Tags 2.4 Physical and Logical HTML 2.5 Types of Images, client side and server-side Image mapping	-	Completed
4	Aug	4 <sup>th</sup>	4	4 Hrs	2.6 List, Table, Frames 2.7 Embedding Audio, Video 2.8 HTML form and form elements 2.9 Introduction to HTML Front Page 2.10 CSS with HTML		2.6 List, Table, Frames 2.7 Embedding Audio, Video 2.8 HTML form and form elements 2.9 Introduction to HTML Front Page 2.10 CSS with HTML	-	Completed
5	Aug	5 <sup>th</sup>	4	4 Hrs	<b>JAVA Script</b> 3.1 Introduction to Java Script 3.2 Identifier & operator, control structure, functions 3.3 Document object	4Hrs	<b>JAVA Script</b> 3.1 Introduction to Java Script 3.2 Identifier & operator, control structure, functions 3.3	-	Completed

					model(DOM),		Document object model(DOM),		
6	Sep	1 <sup>st</sup>	4	4 Hrs	3.4 DOM Objects(window, navigator, history, location) 3.5 Predefined functions, math & string functions 3.6 Array in Java scripts 3.7 Event handling in Java script		3.4 DOM Objects(window, navigator, history, location) 3.5 Predefined functions, math & string functions 3.6 Array in Java scripts 3.7 Event handling in Java script	-	Completed
7.	Sep	2 <sup>nd</sup>	4	4 Hrs	<b>Introduction to PHP</b> 4.1 Introduction to PHP 4.2 What does PHP do? 4.3 Lexical structure	4Hrs	<b>Introduction to PHP</b> 4.1 Introduction to PHP 4.2 What does PHP do? 4.3 Lexical structure	-	Completed
8.	Sep	3 <sup>rd</sup>	4	4 Hrs	4.4 Language basics 4.4.1 Variable, constant, keywords, Data Types 4.4.2 Control Structures 4.4.3 Variables variable 4.4.4 Type casting, Type Juggling 4.4.5 \$_GET, \$_POST, \$_REQUEST Variables		4.4 Language basics 4.4.1 Variable, constant, keywords, Data Types 4.4.2 Control Structures 4.4.3 Variables variable 4.4.4 Type casting, Type Juggling 4.4.5 \$_GET, \$_POST, \$_REQUEST Variables	-	Completed
9.	Sep	4 <sup>th</sup>	4	4 Hrs	<b>Function and String in PHP</b> 5.1 Defining and calling a function 5.2 Default parameters 5.3 Variable parameters, Missing parameters 5.4 Variable function, Anonymous function	4Hrs	<b>Function and String in PHP</b> 5.1 Defining and calling a function 5.2 Default parameters 5.3 Variable parameters, Missing parameters 5.4 Variable function, Anonymous function	-	Completed
10.	Sep	1 <sup>st</sup>	4	4 Hrs	5.5 Types of strings in PHP 5.6 Printing functions 5.7 Encoding and escaping 5.8 Comparing strings 5.9 Manipulating and searching strings		5.5 Types of strings in PHP 5.6 Printing functions 5.7 Encoding and escaping 5.8 Comparing strings 5.9 Manipulating and	-	Completed

							searching strings		
11.	Oct	2 <sup>nd</sup>	4	4 Hrs	<b>Arrays in PHP</b> 6.1 Indexed Vs Associative arrays 6.2 Identifying elements of an array 6.3 Storing data in arrays 6.4 Multidimensional arrays	4Hrs	<b>Arrays in PHP</b> 6.1 Indexed Vs Associative arrays 6.2 Identifying elements of an array 6.3 Storing data in arrays 6.4 Multidimensional arrays	-	Completed
12.	Oct	3 <sup>rd</sup>	4	3 Hrs	6.5 Extracting multiple values 6.6 Converting between arrays and variables 6.7 Traversing arrays 6.8 Sorting 6.9 Action on entire arrays		6.5 Extracting multiple values 6.6 Converting between arrays and variables 6.7 Traversing arrays 6.8 Sorting 6.9 Action on entire arrays	-	Completed

  
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## Teaching Plan

Name of Teacher: - Prof. Pawar N.H

Year: - 2019-20

Term: -II

Sub: - Advance Java

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 <sup>th</sup>	6	4 Hrs	<b>JDBC</b> 1.1 The design of JDBC 1.2 Basic JDBC program Concept 1.3 Drivers 1.4 Architecture of JDBC	4 Hrs	<b>JDBC</b> 1.1 The design of JDBC 1.2 Basic JDBC program Concept 1.3 Drivers 1.4 Architecture of JDBC	-	Completed
2.	Dec	5 <sup>th</sup>	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	1 <sup>st</sup>	6	4 Hrs	<b>Networking</b> 2.1 The java.net package 2.2 Connection oriented transmission – Stream Socket Class	4 Hrs	<b>Networking</b> 2.1 The java.net package 2.2 Connection oriented transmission – Stream Socket Class	-	completed
4	Jan	2 <sup>nd</sup>	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 <sup>rd</sup>	6	4 Hrs	<b>Servlet and JSP</b> 3.1 Introduction 3.2 How It differ from CGI 3.3 Types of servlet 3.4 Life cycle of servlet	4 Hrs	<b>Servlet and JSP</b> 3.1 Introduction 3.2 How It differ from CGI 3.3 Types of servlet 3.4 Life cycle of	-	Completed



							servlet		
6	Jan	4 <sup>th</sup>	6	4 Hrs.	3.5 Execution process of Servlet Application 3.6 Session Tracking 3.7 Cookie class 3.8 Servlet- Jdbc	4 Hrs.	3.5 Execution process of Servlet Application 3.6 Session Tracking 3.7 Cookie class 3.8 Servlet- Jdbc	-	Completed
7.	Feb	1 <sup>st</sup>	6	4 Hrs	<b>JSP</b> 3.9 Introduction to JSP 3.10 Components of JSP Directives , Tags, Scripting Elements 3.11 Execution process of JSP Application	4 Hrs	<b>JSP</b> 3.9 Introduction to JSP 3.10 Components of JSP Directives , Tags, Scripting Elements 3.11 Execution process of JSP Application	-	Completed
8.	Feb	2 <sup>nd</sup>	6	4 Hrs	3.12 Building a simple application using JSP 3.13 JSP with Database	4 Hrs	3.12 Building a simple application using JSP 3.13 JSP with Database	-	Completed
9.	Feb	3 <sup>rd</sup>	6	4 Hrs	<b>Multithreading</b> 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	<b>Multithreading</b> 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 <sup>th</sup>	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 <sup>st</sup>	6	4 Hrs	<b>Java Beans and RMI</b> <b>Java Beans</b> 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	<b>Java Beans and RMI</b> <b>Java Beans</b> 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 <sup>nd</sup>	4	4 Hrs	<b>Remote Method</b>	4 Hrs	<b>Remote Method</b>		Completed

					<b>Invocation</b> 5.6 Introduction to remote object RMI architecture 5.7 Stubs and skeleton 5.8 Registry 5.9 Setting up RMI 5.10 Using RMI with applet		<b>Invocation</b> 5.6 Introduction to remote object RMI architecture 5.7 Stubs and skeleton 5.8 Registry 5.9 Setting up RMI 5.10 Using RMI with applet	-	
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## Teaching Plan

Name of Teacher: - Prof. Kapale U V

Year: - 2019-20

Term: -II

Sub: - Advance Web Technology


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 <sup>th</sup>	6	4 Hrs	<b>Introduction to Object Oriented Programming in PHP</b> 1.1 Classes 1.2 Objects 1.3 Introspection	4 Hrs	<b>Introduction to Object Oriented Programming in PHP</b> 1.1 Classes 1.2 Objects 1.3 Introspection	-	Completed
2.	Dec	5 <sup>th</sup>	6	4 Hrs	1.4 Serialization 1.5 Inheritance 1.6 Interfaces 1.7 Encapsulation	4 Hrs	1.4 Serialization 1.5 Inheritance 1.6 Interfaces 1.7 Encapsulation	-	Completed
3.	Jan	1 <sup>st</sup>	6	4 Hrs	<b>Web Techniques</b> 2.1 Web Variables 2.2 Server information 2.3 Self Processing forms	4 Hrs	<b>Web Techniques</b> 2.1 Web Variables 2.2 Server information 2.3 Self Processing forms	-	completed
4	Jan	2 <sup>nd</sup>	6	4 Hrs	2.4 Setting response headers 2.5 Maintaining state (Cookies and Sessions)	4 Hrs	2.4 Setting response headers 2.5 Maintaining state (Cookies and Sessions)	-	Completed
5	Jan	3 <sup>rd</sup>	6	4 Hrs	<b>Databases</b> 3.1 Using PHP to access a databases 3.2 Mysql Database functions 3.3 Relational databases and SQL	4 Hrs	<b>Databases</b> 3.1 Using PHP to access a databases 3.2 Mysql Database functions 3.3 Relational databases and SQL	-	Completed
6	Jan	4 <sup>th</sup>	6	4 Hrs.	3.4 PEAR DB basics 3.5 Advanced	4 Hrs.	3.4 PEAR DB basics 3.5 Advanced	-	Completed

					database techniques 3.6 Sample application		database techniques 3.6 Sample application		
7.	Feb	1 <sup>st</sup>	6	4 Hrs	<b>XML</b> 4.1 What is XML? 4.2 XML document Structure 4.3 PHP and XML 4.4 XML parser	4 Hrs	<b>XML</b> 4.1 What is XML? 4.2 XML document Structure 4.3 PHP and XML 4.4 XML parser	-	Completed
8.	Feb	2 <sup>nd</sup>	6	4 Hrs	4.5 The document object model 4.6 The simple XML extension 4.7 Changing a value with simple XML	4 Hrs	4.5 The document object model 4.6 The simple XML extension 4.7 Changing a value with simple XML	-	Completed
9.	Feb	3 <sup>rd</sup>	6	4 Hrs	<b>Web services</b> 5.1 Web services concepts 5.2 WSDL, UDDI	4 Hrs	<b>Web services</b> 5.1 Web services concepts 5.2 WSDL, UDDI	-	Completed
10.	Feb	4 <sup>th</sup>	6	4 Hrs	5.3 Introduction to SOAP XML-RPC 5.4 Creating web services 5.5 Calling web services	4 Hrs	5.3 Introduction to SOAP XML-RPC 5.4 Creating web services 5.5 Calling web services	-	Completed
11.	Mar	1 <sup>st</sup>	6	4 Hrs	<b>Ajax</b> 6.1 Understanding java scripts for AJAX 6.2 AJAX web application model 6.3 AJAX –PHP framework	4 Hrs	<b>Ajax</b> 6.1 Understanding java scripts for AJAX 6.2 AJAX web application model 6.3 AJAX –PHP framework	-	Completed
12.	Mar	2 <sup>nd</sup>	4	4 Hrs	6.4 Performing AJAX validation 6.5 Handling XML data using PHP and AJAX 6.6 Connecting database using PHP and AJAX	4 Hrs	6.4 Performing AJAX validation 6.5 Handling XML data using PHP and AJAX 6.6 Connecting database using PHP and AJAX	-	Completed

  
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## Teaching Plan

Name of Teacher: - Prof. Deshmane S.P

Year: - 2019-20

Term: -II

Sub: - Recent Trends in IT 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 <sup>th</sup>	6	4 Hrs	<b>Software Process And Project Metrics, Analysis Concepts And Principles</b> Measures, metric indicators, metric in process and the project domains	4 Hrs	<b>Software Process And Project Metrics, Analysis Concepts And Principles</b> Measures, metric indicators, metric in process and the project domains	-	Completed
2.	Dec	5 <sup>th</sup>	6	4 Hrs	software measurement, metrics for software quality, software quality assurance, Requirement analysis	4 Hrs	software measurement, metrics for software quality, software quality assurance, Requirement analysis	-	Completed
3.	Jan	1 <sup>st</sup>	6	4 Hrs	communication techniques, analysis principles, software prototyping, Case Study	4 Hrs	communication techniques, analysis principles, software prototyping, Case Study	-	completed
4	Jan	2 <sup>nd</sup>	6	4 Hrs	<b>Distributed Databases</b> Standalone v/s Distributed databases, Replication, Fragmentation, Client / Server architecture, types of distributed databases	4 Hrs	<b>Distributed Databases</b> Standalone v/s Distributed databases, Replication, Fragmentation, Client / Server architecture, types of distributed databases	-	Completed
5	Jan	3 <sup>rd</sup>	6	4 Hrs	Object – Relational Databases Abstract Data types, Nested Tables, Varying Arrays, Large Objects, Naming	4 Hrs	Object – Relational Databases Abstract Data types, Nested Tables, Varying Arrays, Large Objects,	-	Completed



					Conventions for Objects, Case Study		Naming Conventions for Objects, Case Study		
6	Jan	4 <sup>th</sup>	6	4 Hrs.	<b>Data Warehouse</b> What is Data Warehouse? , A Multidimensional Data Model, Data Warehouse Architecture, Data Warehouse Implementation, Data cube Technology	4 Hrs.	<b>Data Warehouse</b> What is Data Warehouse? , A Multidimensional Data Model, Data Warehouse Architecture, Data Warehouse Implementation, Data cube Technology	-	Completed
7.	Feb	1 <sup>st</sup>	6	4 Hrs	Data Warehousing to Data Mining, Data Mining, Functionalities, Data Cleaning, Data Integration and Transformation, Data Reduction	4 Hrs	Data Warehousing to Data Mining, Data Mining, Functionalities, Data Cleaning, Data Integration and Transformation, Data Reduction	-	Completed
8.	Feb	2 <sup>nd</sup>	6	4 Hrs	<b>Network Security</b> Cryptography; Introduction to Cryptography, Substitution Ciphers, Transposition Ciphers, One-Time Pads, Two Fundamental Cryptographic Principles; Symmetric Key Algorithms;	4 Hrs	<b>Network Security</b> Cryptography; Introduction to Cryptography, Substitution Ciphers, Transposition Ciphers, One-Time Pads, Two Fundamental Cryptographic Principles; Symmetric Key Algorithms;	-	Completed
9.	Feb	3 <sup>rd</sup>	6	4 Hrs	DES-The Data Encryption Standards, AES – The Advances	4 Hrs	DES-The Data Encryption Standards, AES – The Advances	-	Completed
10.	Feb	4 <sup>th</sup>	6	4 Hrs	Encryption Standard; Public Key algorithms; RSA, Other Public Key algorithms; Digital Signatures, Symmetric-Key Signature, Public key Signature, Message Digests	4 Hrs	Encryption Standard; Public Key algorithms; RSA, Other Public Key algorithms; Digital Signatures, Symmetric-Key Signature, Public key Signature, Message	-	Completed

							Digests		
11.	Mar	1 <sup>st</sup>	6	4 Hrs	Computing and Informatics Introduction to computing, Types of computing	4 Hrs	Computing and Informatics Introduction to computing, Types of computing	-	Completed
12.	Mar	2 <sup>nd</sup>	4	4 Hrs	Cloud, Green, Soft, Mobile, Case Study	4 Hrs	Cloud, Green, Soft, Mobile, Case Study	-	Completed

  
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## Teaching Plan

Name of Teacher: - Prof. Pawar N.H

Year: - 2019-20

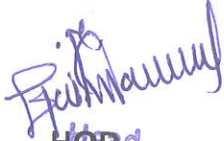
Term: -II

Sub: - Software Testing Paper 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	4 <sup>th</sup>	6	4 Hrs	<b>Software Testing</b> Introduction, Nature of errors	4 Hrs	<b>Software Testing</b> Introduction, Nature of errors	-	Completed
2.	Dec	5 <sup>th</sup>	6	4 Hrs	Testing principles & Testing fundamentals, Debugging	4 Hrs	Testing principles & Testing fundamentals, Debugging	-	Completed
3.	Jan	1 <sup>st</sup>	6	4 Hrs	<b>Approaches to Testing</b> - I White Box Testing, Black Box Testing, Gray Box Testing, Unit Testing	4 Hrs	<b>Approaches to Testing</b> - I White Box Testing, Black Box Testing, Gray Box Testing, Unit Testing	-	completed
4	Jan	2 <sup>nd</sup>	6	4 Hrs	Integration- Top-down ,Bottom up Big Bang Sandwich	4 Hrs	Integration- Top-down ,Bottom up Big Bang Sandwich	-	Completed
5	Jan	3 <sup>rd</sup>	6	4 Hrs	<b>Testing for Specialized Environments</b> Testing GUI's, Testing of Client/Server Architectures	4 Hrs	<b>Testing for Specialized Environments</b> Testing GUI's, Testing of Client/Server Architectures	-	Completed
6	Jan	4 <sup>th</sup>	6	4 Hrs.	Testing Documentation and Help Facilities, Testing for RealTime Systems	4 Hrs.	Testing Documentation and Help Facilities, Testing for RealTime Systems	-	Completed
7.	Feb	1 <sup>st</sup>	6	4 Hrs	<b>Software Testing</b> Strategies &Software metrics Validation Testing, System Testing	4 Hrs	<b>Software Testing</b> Strategies &Software metrics Validation Testing, System Testing	-	Completed

8.	Feb	2 <sup>nd</sup>	6	4 Hrs	verification, Performance Testing, Regression Testing, Agile testing	4 Hrs	verification, Performance Testing, Regression Testing, Agile testing	-	Completed
9.	Feb	3 <sup>rd</sup>	6	4 Hrs	Acceptance testing ,Smoke Testing ,Load Testing, Introduction, Basic Metrics, Complexity Metrics	4 Hrs	Acceptance testing ,Smoke Testing ,Load Testing, Introduction, Basic Metrics, Complexity Metrics	-	Completed
10.	Feb	4 <sup>th</sup>	6	4 Hrs	<b>Specialized Testing &amp; Testing Tools</b> (Introduction) Test Case Design	4 Hrs	<b>Specialized Testing &amp; Testing Tools</b> (Introduction) Test Case Design	-	Completed
11.	Mar	1 <sup>st</sup>	6	4 Hrs	Junit, Apache Jmeter	4 Hrs	Junit, Apache Jmeter	-	Completed
12.	Mar	2 <sup>nd</sup>	4	4 Hrs	Winrunner Loadrunner, Rational Robot	4 Hrs	Winrunner Loadrunner, Rational Robot	-	Completed

  
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