

**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**

**Department of Computer Science**

**Teaching Plan (Semester-III)**

**(June - 2019 to Oct-2019)**

**1. Details of Classes to be taught**

| Sr. No. | Class             | Name of the Teacher | Subject                | Course  | Total Lectures: |
|---------|-------------------|---------------------|------------------------|---|-----------------|
| 1       | B. Voc.(CT)<br>SY | S. K. Kasbe         | Computer<br>Technology | U-OOP-431<br>Object Oriented<br>Programming through C++ | 60              |

**2. Summary of Lesson Plan**

| Unit          | Topics To be Covered   | Date                           | No. of Lectures | Academic activities to be organized   | No. of Test / Assignment with topic and date |
|---------------|--|--------------------------------|-----------------|---|--|
| <b>Unit I</b> | <b>Unit-I: Introduction to OOPs and Basics of C++</b><br>Need Object Oriented programming<br>comparison of procedural and<br>object oriented approach object<br>classes polymorphism inheritance<br>reusability data hiding and<br>abstraction applications of OOP<br>Character Set, identifiers and<br>keywords, data types, constants,<br>variables and arrays, Operators and<br>Expressions, Conditional<br>Statements and Loops, Switch<br>Statement | 21.06.2019<br>To<br>03.07.2019 | 07              | Assignment on<br>Basics of OOP,<br>control<br>statements<br>and looping<br>statements |  |
|               |  | 04.07.2019<br>To<br>17.07.2019 | 08              |   |  |

|                |   |                                |    |  |   |
|----------------|---|--------------------------------|----|--|---|
| <b>Unit II</b> | <b>Unit-II: Functions, Classes and Objects</b> defining a function<br>accessing a function Passing<br>arguments to a function specifying<br>argument data types function<br>prototypes recursion Class<br>declaration constructors<br>constructor initialization lists<br>access functions private member<br>functions the copy constructor the<br>class destructor pointers to object<br>static data members static<br>function members friend function<br>Operator Overloading overloading<br>the assignment operator the this<br>pointer overloading arithmetic<br>operators overloading the<br>arithmetic assignment operators<br>overloading the relational<br>operators overloading the<br>increment and decrement<br>operators overloading the<br>subscript operator | 18.07.2019<br>To<br>27.07.2019 | 07 | Program<br>Assignments on<br>class and objects | UNIT TEST I<br>ACTIVITY<br>BASED TEST<br>FROM<br>21.09.2010<br>TO<br>30.09 2019 |
|                |   | 31.07.2019<br>To<br>13.08.2019 | 08 |  |   |

|          |   |  |                  |                                  |  |
|----------|---|--|------------------|----------------------------------|--|
| Unit III | <b>Unit-III: Inheritance and File Handling</b><br><b>Introduction,</b><br>inherintance protected class members<br>overriding, Private access verses protected access virtual functions and<br>polymorphism virtual destructors<br>abstract base classes File Handling<br>Classes for file stream operations opening<br>and closing a file detecting end of file filemodes file pointers and their<br>manipulations sequential input and<br>output operations random access file<br>operations error handling<br>command line<br>arguments | 14.08.2019<br>To<br>24.08.2019<br><br>26.08.2019<br>To<br>09.09.2019                                       | 08<br><br><br>07 | Class Test                       |  |
| Unit IV  | <b>Unit-IV: Templates and Exception Handling</b><br>function templates class templates<br>container classes subclass templates<br>passing template classes to templateparameters<br>Exception Handling<br>Introduction Exception Handling<br>Mechanism Concept of throw & catch<br>with example<br>Revision   | 10.09.2019<br>To<br>20.09.2019<br><br>01.10.2019<br>To<br>10.10.2019<br><br>11.10.2019<br>To<br>24.10.2019 | 08<br><br>07     | PPTs on<br>Exception<br>handling | UNIT TEST II<br>MCQ TEST<br>25.10.2019<br>TO<br>30.10.2019 |



**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**

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**Teaching Plan (Semester-III)**

**(June – 2019 to Oct-2019)**

**1. Details of Classes to be taught**

| Sr. No. | Class        | Name of the Teacher | Subject             | Course                        | Total Lectures: |
|---------|--------------|---------------------|---------------------|-------------------------------|-----------------|
| 2       | B. Sc.<br>SY | Mrs. S. K. Kasbe    | Computer<br>Science | U-COS-341<br>Operating System | 45              |

**2. Summary of Lesson Plan**

| Unit          | Topics To be Covered  | Date                           | No. of Lectures | Academic activities to be organized               | No. of Test / Assignment with topic and date |
|---------------|---|--------------------------------|-----------------|---|--|
| <b>Unit I</b> | <b>Unit-I Introduction and Operating System Organization</b><br>Introduction: System Software, Resource Abstraction, OS strategies. Types of operating systems - Multiprogramming, Batch, Time Sharing, Single user and Multiuser, Process Control & Real Time Systems. Operating System Organization: Factors in operating system design, basic OS functions, implementation consideration, process modes, and methods of requesting system services – system calls and system programs. | 21.06.2019<br>To<br>30.06.2019 | 06              | Assignments<br>on types of<br>Operating<br>system |  |
|               |   | 01.07.2019<br>To<br>11.07.2019 | 07              |   |  |



|                |   |                                |    |            |   |
|----------------|---|--------------------------------|----|------------|---|
| <b>Unit II</b> | <b>Unit II Process Management</b>   | 02.08.2019                     | 06 | Class Test | UNIT  |
|                | System view of the process and resources,initiating the OS, process address space, critical section, process abstraction, resource abstraction, process hierarchy, Thread model | To<br>12.08.2019               |    |            | TEST I  |
|                | Scheduling: Scheduling Mechanisms, Strategy selection, non- preemptive and preemptive strategies, Deadlock.   | 17.08.2019<br>To<br>29.08.2019 | 06 |            | ACTIVIT<br>Y BASED<br>TEST<br>FROM<br>21.09.201<br>0TO<br>30.09<br>2019 |

|                 |  |  |                      |  |  |
|-----------------|--|--|----------------------|--|--|
| <b>Unit III</b> | <b>Unit III Memory Management</b><br>Mapping address space to memory space, memory allocation strategies, fixed partition, variable partition, Paging, virtual memory, Demand Paged, Segment Memory Management   | 31.08.2019<br>To<br>09.09.2020<br>10.09.2019<br>To<br>27.09.2019 | 05<br><br><br><br>05 | PPTs on memory management                |  |
| <b>Unit IV</b>  | <b>Unit IV Device and Information Management System</b> Techniques for Device management, Device management characteristics, Channels and control units Device allocation consideration A simple file system, General model of a file system, Symbolic File System, Basic File System. | 28.09.2019<br>To<br>07.10.2019<br>8.10.2019<br>To<br>24.10.2019  | 05<br><br><br>05     | PPTS on Techniques for device management | UNIT TEST<br>IIMCQ<br>TEST<br>25.10.2019<br>TO<br>30.10.2019 |

**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**

**Department of Computer Science**

**Teaching Plan (Semester-I)**

**(June – 2019 to Oct-2019)**

**1. Details of Classes to be taught**

| Sr. No. | Class             | Name of the Teacher | Subject             | Course                   | Total Lectures: |
|---------|-------------------|---------------------|---------------------|--------------------------|-----------------|
| 3       | M. Sc. C.S.<br>SY | S. K. Kasbe         | Computer<br>Science | P-DAM-130<br>Data Mining | 60              |

**2. Summary of Lesson Plan**

| Unit   | Topics To be Covered   | Date   | No. of Lectures  | Academic activities to be organized           | No. of Test / Assignment with topic and date |
|--------|--|--|------------------|---|--|
| Unit I | <b>Unit I: Introduction to Data mining with related concepts</b><br>Basic Data Mining Tasks, Data Mining<br>Issues. Knowledge Discovery in Databases<br>(KDD Process). OLTP system, Information<br>Retrieval system, Decision Support Systems,<br>Multidimensional Schemas, OLAP, Web<br>Search Engines. | 04.07.2019<br>To<br>12.07.2019<br><br>13.07.2019<br>To<br>22.07.2019 | 07<br><br><br>08 | Assignme<br>nt on<br>KDD, OLTP<br>and<br>OLAP |  |



|                 |  |  |              |   |   |
|-----------------|--|--|--------------|---|---|
| <b>Unit II</b>  | <b>Unit II: Data Mining Techniques: Classification</b>   | 23.07.2019<br>To<br>31.07.2019                                       | 07           | PPTS on<br>data mining<br>techniques  | UNIT TEST I<br>ACTIVITY<br>BASED TEST<br>FROM<br>21.09.2019<br>TO<br>30.09 2019 |
|                 | <b>Data Mining Techniques:</b> Classification -Introduction to Data Mining Techniques. A statistical Perspective on Data Mining, Decision Trees, Neural Networks. Issues in Classification, Bayesian Classification, and Distance Based Algorithms,<br><b>Decision Tree Based Algorithms:</b> CART, Neural Network-Based Algorithm: NNSupervised Learning. | 1.08.2019<br>To<br>09.08.2019  | 08           |   |   |
| <b>Unit III</b> | <b>Unit III: Clustering and Association Rules</b>  | 10.08.2019<br>To<br>17.08.2019                                       | 07           | PPTS on<br>algorithms<br>of clustering<br>and<br>Association<br>rules         |   |
|                 | Clustering and Association Rules, Introduction to Clustering, Outliers, K- Means clustering, Nearest Neighbor Algorithm, BRICH algorithm. Introduction to Association Rules, Large Item sets,<br><b>Basic Algorithms:</b> Apriori Algorithm, Data Parallelism, Comparing Approaches.   | 19.08.2019<br>To<br>28.08.2019                                       | 08           |   |   |
|                 | <b>Unit IV: Applications and Trends in Data Mining</b>   | 29.08.2019<br>To<br>05 .09.2019                                      | 07           | Assignment<br><br>To find the<br>various<br>applications<br>in data<br>mining | UNIT<br>TEST II<br>MCQ<br>TEST<br>25.10.2019<br>TO<br>30.10.2019                |
|                 | <b>Data Mining Applications:</b> Web mining, Image mining, Text mining, Spatial mining, Fraud Detection, CRM (Customer Relationship Management), Education, Health Care etc., Data Mining System Products.<br><br>Revision Seminar   | 06.09.2019<br>To<br>14.09.2019<br><br>16.09.2019<br>To<br>24.10.2019 | 08<br><br>14 |   |   |

**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**

**Department of Computer Science**

**Teaching Plan (Semester-I)**

**(June - 2019 to Oct-2019)**

**1. Details of Classes to be taught**

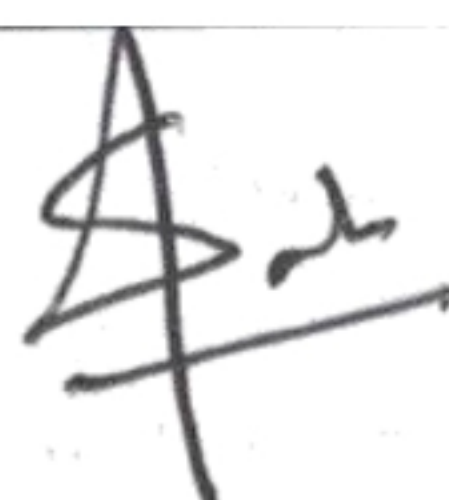
| Sr. No. | Class              | Name of the Teacher | Subject             | Course                                      | Total Lectures: |
|---------|--------------------|---------------------|---------------------|---|-----------------|
| 4       | B. Voc. (CT)<br>SY | S. K. Kasbe         | Computer Technology | U-BCP-104<br>Basics of Computer Programming | 60              |

**2. Summary of Lesson Plan**

| Unit          | Topics To be Covered  | Date                           | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------------|---|--------------------------------|-----------------|-------------------------------------|--|
| <b>Unit I</b> | <b>UNIT I: Algorithm, Flowchart &amp; Programming Basic</b><br>Algorithm and flowcharts<br>Definition and properties  | 24.06.2019<br>To<br>02.07.2019 | 07              | PPTs on Algorithms and flowchart    |  |
|               | Developing well known algorithms<br>Principles of flowcharting<br>Flow charting symbols<br>Converting algorithm to flowchart<br>Programming Basic<br>What is Programming? Tokens<br>Data Type Variables<br>Constants<br>Operators | 03.07.2019<br>To<br>18.07.2019 | 08              |                                     |  |



|                 |  |  |                      |   |   |
|-----------------|--|--|----------------------|---|---|
| <b>Unit II</b>  | <b>UNIT II: C Language Basic</b>   |  |                      |   |   |
|                 | Introduction to C Introduction and History of C Formatted input and output Structure of C program Hello World Program. Decision Making and Looping Decision making Statements :- simple if, if else, nested if else Switch Statement Looping Statements :- for, while and do while break , continue Nested Loop Programs on above statements | 22.07.2019<br>To<br>02.08.2019<br>03.08.2019<br>To<br>15.08.2019                                   | 08<br><br><br><br>07 | Simple programs on control and looping statements | UNIT TEST I ACTIVITY BASED TEST FROM 21.09.2010 TO 30.09 2019 |
| <b>Unit III</b> | <b>UNIT III : Array, String and Function</b> Array and String Difference between Variable and Array Array Memory Structure One Dimensional Array Multi-Dimensional Array String Introduction to function What is Function? Function Signature No Arguments and no return values Arguments but no return values Arguments with return values  | 19.08.2019<br>To<br>29.08.2019<br>02.09.2019<br>To<br>12.09.2019<br>19                             | 08<br><br><br><br>07 | Programs on Arrays and Strings                    |   |
| <b>Unit IV</b>  | <b>UNIT IV : Pointer and Structure</b> Pointers Understanding pointers Declaring and initializing pointers Accessing a variable through pointers. Introduction to Structure Difference between Array and Structure Structure Member Structure Variable Union Programs on Pointers , Structure and Union Revision                             | 16.09.2019<br>To<br>30.09.2019<br>01.10.2019<br>To<br>14.10.2019<br>15.10.2019<br>To<br>24.10.2019 | 07<br><br><br><br>08 | PPTS on Pointer and Structure and Union           | UNIT TEST II MCQ TEST 25.10.2019 TO 30.10.2019                |

  
S. K. Kasbe

Name & Signature of Teacher

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HoD  
Head  
Dept. of Computer Science  
Rajarshi Shahu Mahavidyalaya, Latur

  
Principal  
PRINCIPAL  
Rajarshi Shahu Mahavidyalaya, Latur  
(Autonomous)



**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**

**Department of Computer Science**

**Teaching Plan (Semester-IV)**

**(Dec – 2019 to March-2020)**

**1. Details of Classes to be taught**

| Sr. No. | Class        | Name of the Teacher | Subject             | Course                           | Total Lectures: |
|---------|--------------|---------------------|---------------------|----------------------------------|-----------------|
| 1       | B. Sc.<br>SY | S. K. Kasbe         | Computer<br>Science | U-COS-444<br>Programming in JAVA | 45              |

**2. Summary of Lesson Plan**

| Sr. No. | Unit and Chapter to be covered   | Expected No. of Lectures | Duration                     |                             | Academic activities to be organized | No. of Test/ Assignment with topic and date |
|---------|--|--------------------------|------------------------------|-----------------------------|-------------------------------------|---|
|         |  |                          | From                         | To                          |                                     |   |
| 1       | <b>UNIT- I: An Introduction to Java</b><br>A Short History of Java<br>Features of Java,<br>Difference between Java and C++,<br>Java virtual machine (JVM)<br>Java program structure, Java statement. Types of Comments, Keywords, Data Types., Variables and Constants, Operators Output using println() method Simple Java Program, Command Line Arguments. | 06<br><br>06             | 09.12.2019<br><br>23.12.2019 | 18.12.2019<br><br>8.01.2020 | PPTs on java<br><br>Introduction    |   |

|   |   |    |            |            |                              |                            |
|---|---|----|------------|------------|------------------------------|----------------------------|
| 2 | <b>Unit – II: Decision Making, Branching, Looping and Classes, Object and Methods</b><br>Decision making with if statement, Simple if statement, if...else statement, Nesting of if...else<br>Switch statement, while statement, do statement, for statement.<br>Introduction, defining a class, Adding variables, Adding Methods, Accessing Class Members<br>Constructors and Method Overloading Static Member Inheritance: Extending a class, Overriding Method | 06 | 13.01.2020 | 29.01.2020 | PPTS on classes, Inheritance | Activity Based UNIT Test I |
|   |   | 05 | 03.02.2020 | 12.02.2020 |                              |                            |
| 3 | Unit –III: Arrays. Strings, Vectors and Creating and Using Packages Introduction, One-dimensional Arrays, Creating an one   | 06 | 17.02.2020 | 26.02.2020 |                              |                            |

|   |   |              |  |  |                                       |                             |
|---|---|--------------|--|--|---------------------------------------|-----------------------------|
|   | dimensional array, Two-dimensional Arrays, Creating a two dimensional array, String Arrays, String Method<br>Introduction, Java API package, Using system packages, Naming Conventions, Creating Packages, Accessing a package, Using a Package, Adding a class to a package. | 06           | 02.03.2020                                     | 16.03.2020                                     | PPTS on Arrays and Packages           |                             |
| 4 | <b>Unit – IV: Exception Handling and Applet Programming</b><br>Dealing Errors, Catching exception<br>and exception handling, creating user defined exception.<br>Applet Life Cycle, Applet HTML Tags, Passing parameters to Applet, Repaint() and Update() method<br>Revision | 05<br><br>05 | 17.03.2020<br><br>04.04.2020<br><br>18.04.2020 | 03.04.2020<br><br>17.04.2020<br><br>30.04.2020 | PPTS on Exception handling and Applet | Activity Based UNIT Test II |



**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**

**Department of Computer Science**

**Teaching Plan (Semester-II)**  
**(Dec – 2019 to March-2020)**

**1. Details of Classes to be taught**

| Sr. No. | Class        | Name of the Teacher | Subject             | Course                       | Total Lectures: |
|---------|--------------|---------------------|---------------------|------------------------------|-----------------|
| 2       | M. Sc.<br>FY | S. K. Kasbe         | Computer<br>Science | P-COD-205<br>Compiler Design | 60              |

**2. Summary of Lesson Plan**

| Sr. No. | Unit and Chapter to be covered   | Expected No. of Lectures | Duration   |            | Academic activities to be organized                | No. of Test/ Assignment with topic and date |
|---------|--|--------------------------|------------|------------|--|---|
|         |  |                          | From       | To         |  |   |
| 1       | <b>UNIT I: Introduction to Compilers and Programming Languages:</b> Compilers and translators, The structure of compiler, Compiler writing tools, Definition of P.L., High level Programming Languages, Lexical And syntactic structure of a language, Data structures, operators, Statements, Lexical Analysis: Introduction to Lexical analysis, | 12                       | 9.12.2019  | 21.12.2019 | PPTs on structure of compiler and lexical analysis |   |
|         |  | 10                       | 23.12.2019 | 4.01.2020  |  |   |

|   |  |    |            |            |                     |  |
|---|--|----|------------|------------|---------------------|--|
| 2 | <b>UNIT II: Syntax analysis and basic parsing techniques</b><br>Role of a Lexical analyzer, A simple approach to the design of lexical analyzer, Regular expressions<br>Finite automata, minimizing number of states of a DFA, Implementation of a lexical analyzer<br><br>Context free grammars, Introduction to parser, Shift reduce parsing, Top down parsing, Operator Precedence parsing, Predictive parser | 12 | 6.1.2020   | 18.01.2020 | PPTS on DFA and NFA | ACTIVITY BASED UNIT TEST-I<br>29.02.2020 To 11.03.2020 |
|   |  | 10 | 20.01.2020 | 31.01.2020 |                     |  |

|   |   |  |  |  |                                 |                  |
|---|---|--|--|--|---------------------------------|------------------|
| 3 | <b>UNIT III: Syntax Directed Translation and symbol table</b><br>Introduction to Syntax directed Schemes, Implementation of Syntax directed translators, Intermediate code, Postfix notation and evaluation of postfix expressions, Parse trees and syntax trees, The contents of a symbol table, Data structures for a symbol table. | 05<br><br><br><br><br><br><br><br><br><br><br><br><br>12 | 01.02.2020<br><br><br><br><br><br><br><br><br><br><br><br><br>07.02.2020 | 6.02.2020<br><br><br><br><br><br><br><br><br><br><br><br><br>20.02.2020  | Assignment on postfix notation  |                  |
| 4 | <b>UNIT IV: Error detection recovery,</b><br><b>Introduction to Code Optimization</b><br>Introduction to Errors, Lexical phase errors, Syntactic phase errors, Semantic errors, Sources of optimization, Loop optimization  | 7<br><br><br><br><br><br><br><br><br><br><br><br><br>12  | 21.02.2020<br><br><br><br><br><br><br><br><br><br><br><br><br>12.03.2020 | 28.02.2020<br><br><br><br><br><br><br><br><br><br><br><br><br>31.03.2020 | Assignment of code optimization | MCQ UNIT TEST II |



**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**

**Department of Computer Science**

**Teaching Plan (Semester-II)**

**(Dec – 2019 to March-2020)**

**1. Details of Classes to be taught**

| Sr. No. | Class        | Name of the Teacher | Subject             | Course                                | Total Lectures: |
|---------|--------------|---------------------|---------------------|---------------------------------------|-----------------|
| 3       | M. Sc.<br>SY | S. K. Kasbe         | Computer<br>Science | P-AJP-427<br>Advance Java Programming | 60              |

**1. Summary of Lesson Plan**

| Sr. No. | Unit and Chapter to be covered  | Expected No. of Lectures | Duration  |            | Academic activities to be organized        | No. of Test/ Assignment with topic and date |
|---------|---|--------------------------|-----------|------------|--|---|
|         |   |                          | From      | To         |  |   |
| 1       | <b>Unit I Exception Handling and Collection Framework</b><br><b>Exception Handling:</b> What is Exception, Exception arguments, catching an exception, The try block, Exception handlers, The exception specification, catching any exception, , Standard Java exceptions, Performing cleanup with finally. | 10                       | 9.12.2019 | 19.12.2019 | PPTS on collections and Exception handling |   |

|   |  |          |                         |                          |                        |                             |
|---|--|----------|-------------------------|--------------------------|------------------------|-----------------------------|
|   | <b>Collections:</b> Collections interfaces, Concrete Collections(Linked lists, Array List, Hash sets, Tree sets, Maps) The Collections framework.  | 10       | 20.12.2019              | 31.12.2019               |                        |                             |
| 2 | <b>Unit II Multithreading and Networking</b><br><b>Multithreading:</b> What are Threads, Interrupting Threads, Thread properties, creating Threads, Threads priorities, Threads groups, Threads synchronization, inter-Thread communication, deadlock.<br><b>Networking:</b> Identifying a machine, connecting to a server using Socket object, Implementing Server programs using serverSocket object, serving multiple of clients. | 10<br>10 | 01.1.2020<br>13.01.2020 | 11.01.2020<br>25.01.2020 | PPTs on Mutithreading  | Activity Based Unit Test II |
| 3 | <b>Unit III GUI Programming,Event Handling</b><br><b>GUI Programming Designing:</b> Graphical User Interfaces in Java, Components and Containers, Basics of  | 10       | 27.01.2020              | 10.02.2020               | Programming Assignment |                             |

|  |   |    |            |            |  |  |
|--|---|----|------------|------------|--|--|
|  | <p>Components, Using Containers,Layout Managers ,AWT Components,Adding aMenu to Window, Extending GUI Features Using Swing Components <b>Event handling:</b> Event-Driven Programming inJava, Event- Handling Process, Event- Handling Mechanism, The Delegation Model of EventHandling, Event Classes,EventSources, Event Listeners, AdapterClasses as Helper Classes in Event Handling.</p> <p><b>Java Database Connectivity:</b>JDBC Architectures, JDBC Drivers, JDBC API, opening a database connection, Creating Statement &amp; Prepared Statements, executing SQL Queries, Operating ResultSets. Scrollable &amp; Updatable Resultset, Accessing Database Metadata, ResultSetMetadata, Transactions</p> | 05 | 11.02.2020 | 15.02.2020 |  |  |
|  |   | 05 | 17.02.2020 | 22.02.2020 |  |  |



|   |   |    |            |            |                         |                  |
|---|---|----|------------|------------|-------------------------|------------------|
| 4 | <b>Unit IV Servlets &amp; JSP</b><br><b>Servlet:</b> The Basic Servlet, Lifecycle of servlet, servlet development options, The javax.servlet packages, Handling GET and POST Request.<br><b>Getting started with Java Server Pages:</b><br>Dynamic Page Creation for Data Presentation, Generalized Templating and server scripting, JSP Tag Libraries and JSTL, JSP Directives, JSP standard actions, JSP and Servlet<br>JavaBeans: What is Java Beans, Advantages of Java Beans, Introspection, Persistence.<br><br>Seminar<br>Revision |    |            |            |                         | MCQ UNIT TEST II |
|   |   | 05 | 24.02.2020 | 29.02.2020 | PPTs on Servlet and JSP |                  |
|   |   | 05 | 02.03.2020 | 07.03.2020 |                         |                  |
|   |   | 17 | 09.03.2020 | 28.03.2020 |                         |                  |

S. K. Kasbe

Name & Signature of Teacher

Document1

HoD

Head

Dept. of Computer Science  
Rajarshi Shahu Mahavidyalaya, Latur

Principal

PRINCIPAL

Rajarshi Shahu Mahavidyalaya, Latur  
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